

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\  
 Data File : BM018514.D  
 Acq On : 10 Jan 2019 18:28  
 Operator : JU/SJ  
 Sample : K1082-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SP-1-1

Quant Time: Jan 11 03:26:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 10 05:57:41 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.76  | 152  | 415269   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.55 | 136  | 1676330  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.41 | 164  | 1024800  | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.16 | 188  | 2606188  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.36 | 240  | 2975293  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.64 | 264  | 3080104  | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 3067624  | 136.40 | ng    | 0.00     |
| 7) Phenol-d6                | 6.94  | 99   | 3573777  | 125.11 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.93  | 82   | 2796515  | 96.71  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.90 | 330  | 2234386  | 171.24 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.03 | 172  | 7445049  | 94.80  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.79 | 244  | 12325619 | 87.33  | ng    | 0.00     |

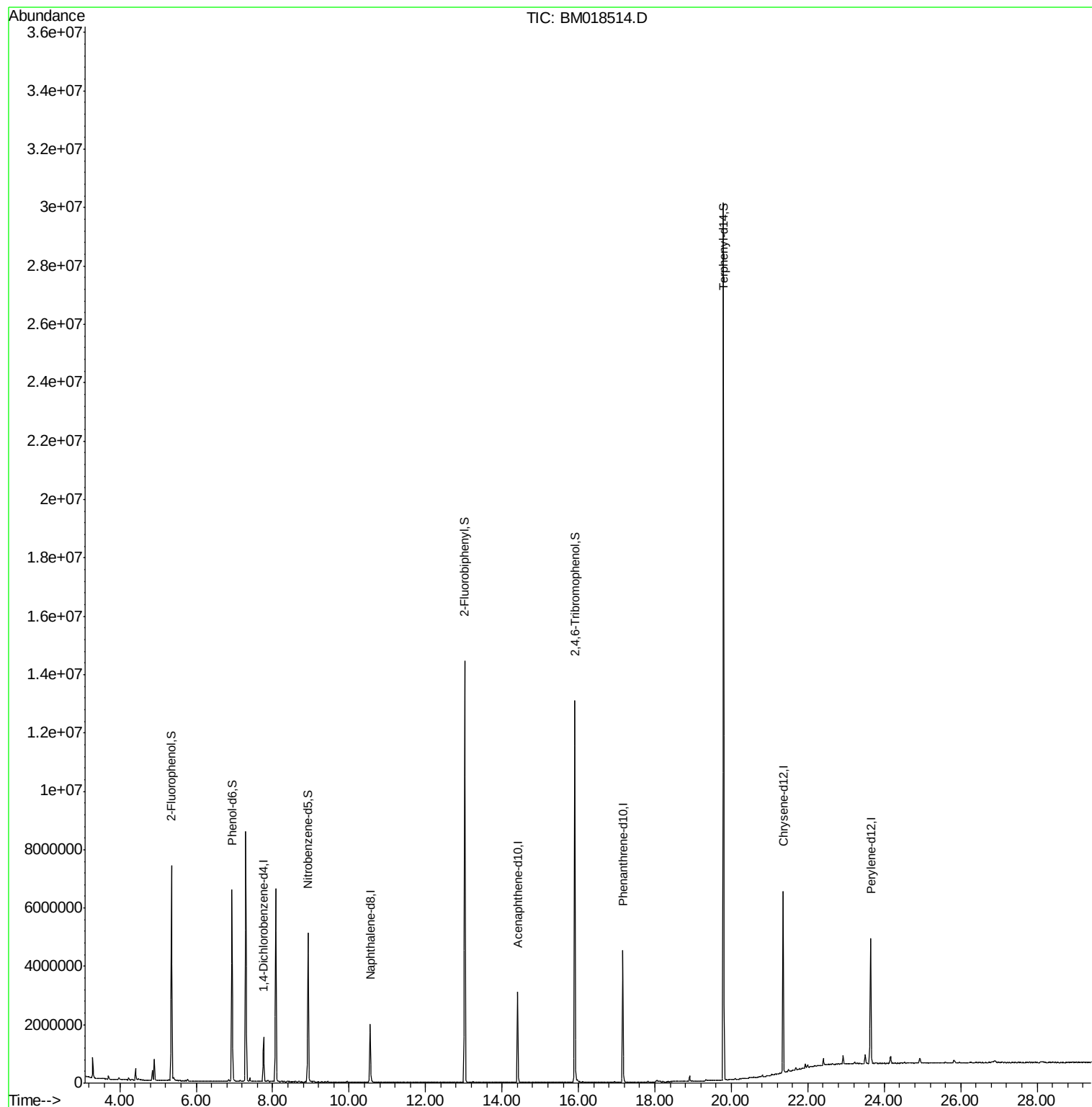
Target Compounds Qvalue

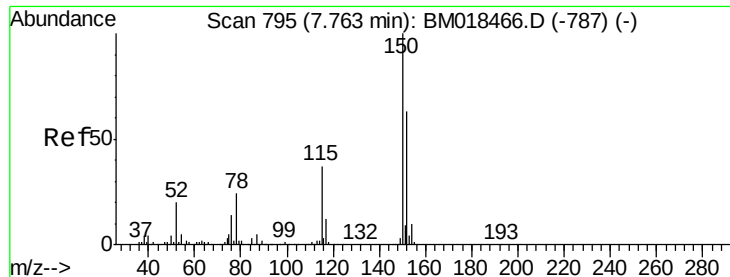
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BM018514.D  
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Sample : K1082-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SP-1-1

Quant Time: Jan 11 03:26:57 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 10 05:57:41 2019  
Response via : Initial Calibration



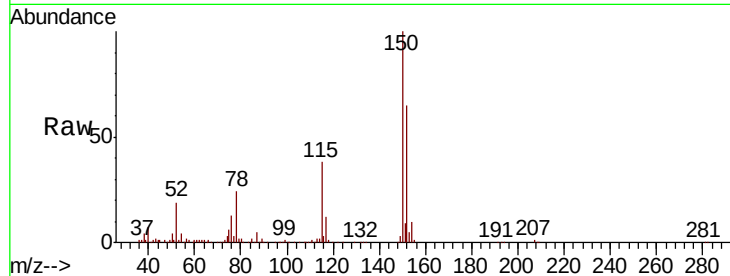


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.76 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: BM018514.D  
Acq: 10 Jan 2019 18:28

Instrument :  
BNA\_M  
ClientSampleId :  
SP-1-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 126.9 | 190.3 |
| 115     | 57.8  | 45.5  | 68.3  |

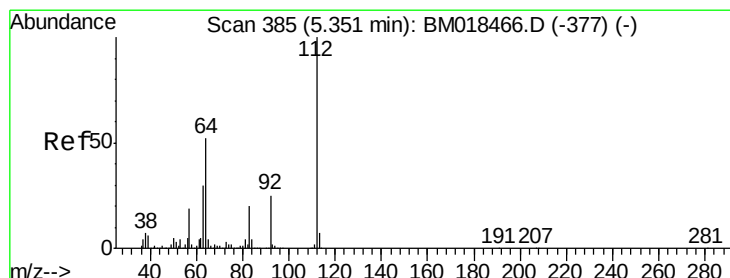
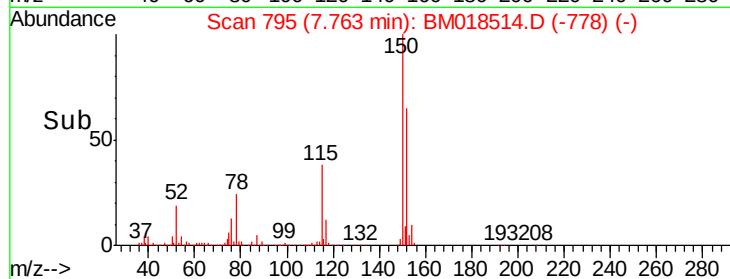
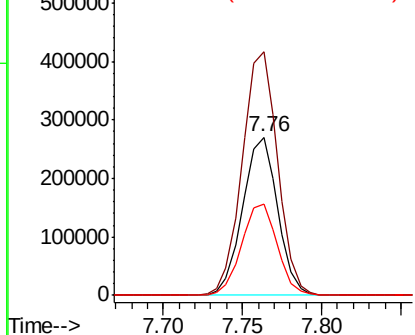


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

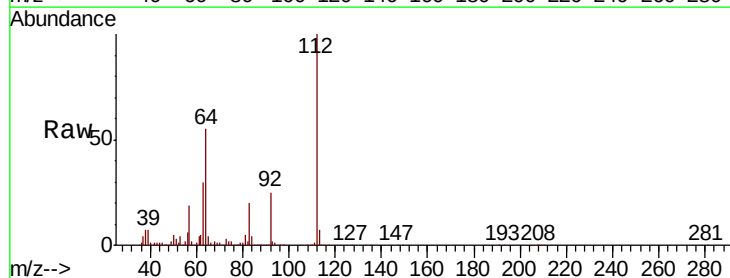
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 136.402 ng  
RT: 5.35 min Scan# 385  
Delta R.T. 0.00 min  
Lab File: BM018514.D  
Acq: 10 Jan 2019 18:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.6  | 46.5  | 69.7  |
| 63      | 30.4  | 25.2  | 37.8  |

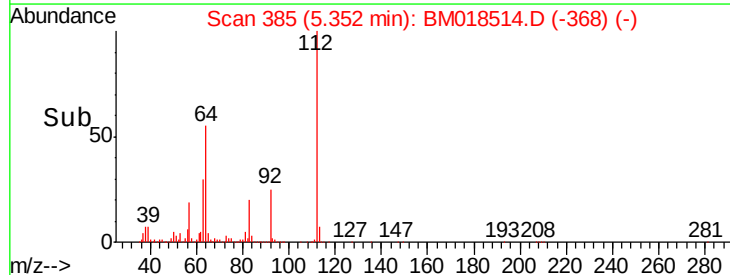
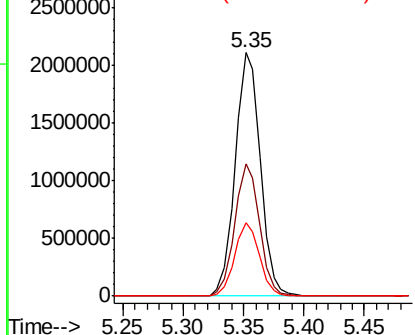


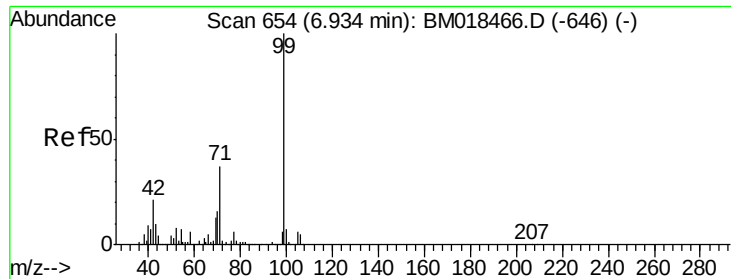
Abundance

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: 125.113 ng

RT: 6.94 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018514.D

Acq: 10 Jan 2019 18:28

Instrument :

BNA\_M

ClientSampleId :

SP-1-1

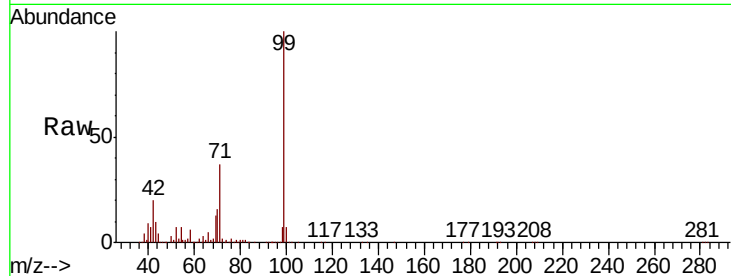
Tot Ion: 99 Resp: 3573777

Ion Ratio Lower Upper

99 100

42 20.1 17.3 25.9

71 36.6 28.0 42.0

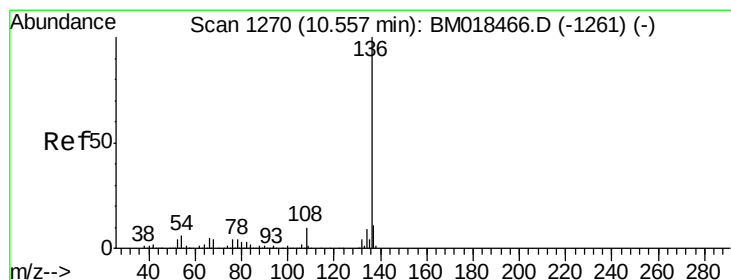
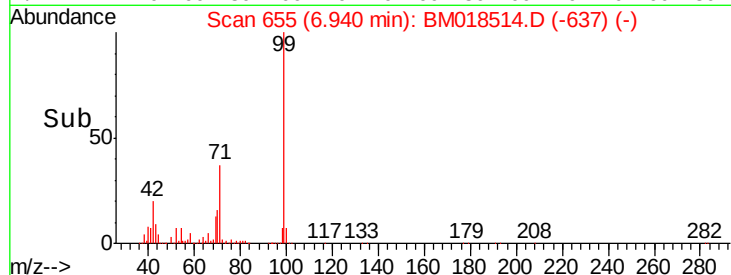
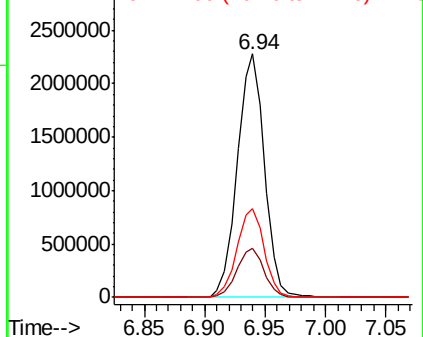


Abundance

Ion 99.00 (98.70 to 99.70): BM018514.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018514.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018514.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM018514.D

Acq: 10 Jan 2019 18:28

Tgt Ion: 136 Resp: 1676330

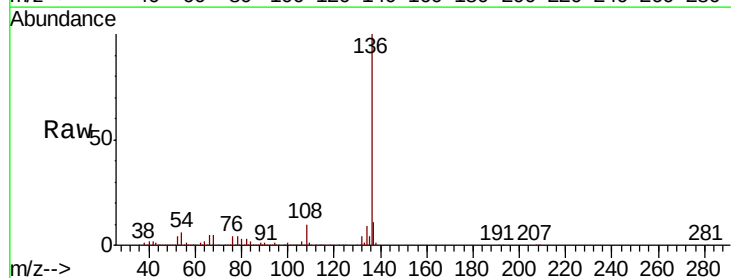
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.3 6.0 9.0

68 4.6 4.5 6.7



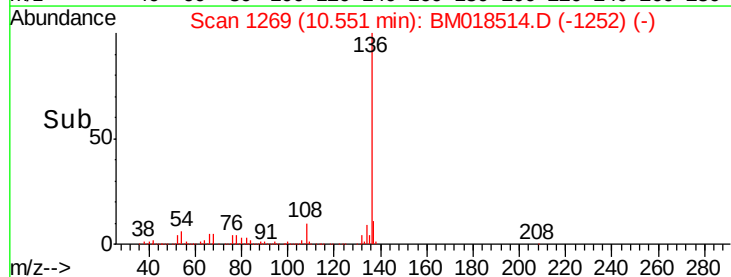
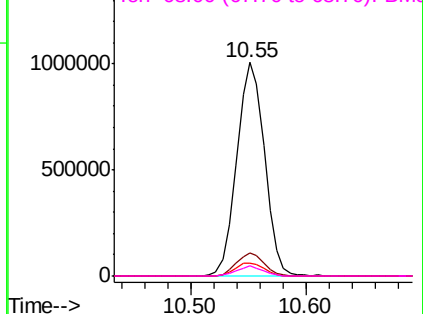
Abundance

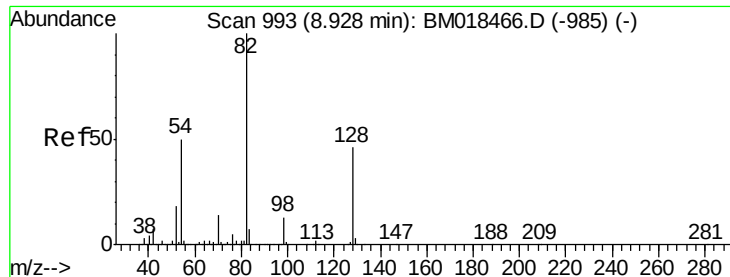
Ion 136.00 (135.70 to 136.70): BM018514.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018514.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018514.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018514.D (-1252) (-)



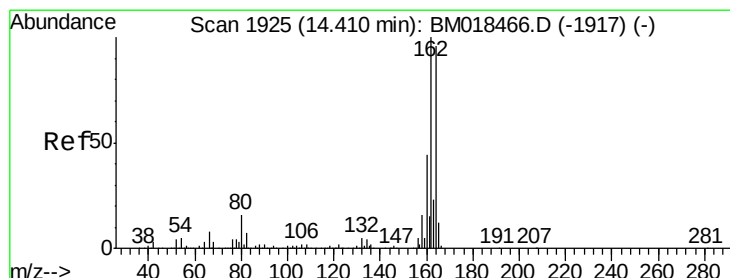
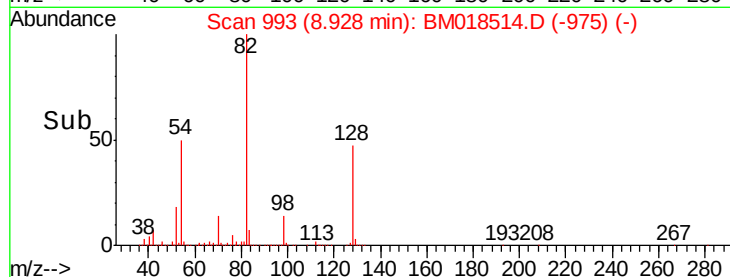
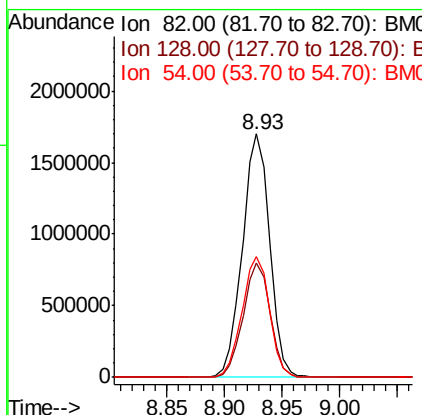
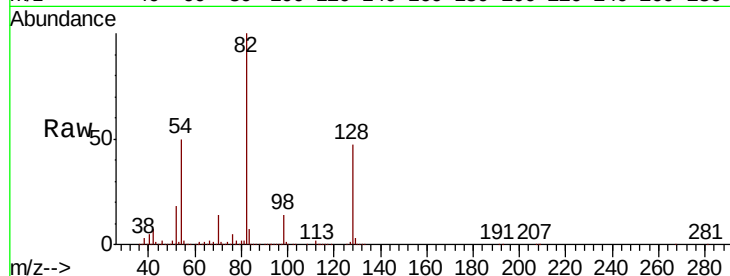


#23  
 Nitrobenzene-d5  
 Concen: 96.709 ng  
 RT: 8.93 min Scan# 993  
 Delta R.T. 0.01 min  
 Lab File: BM018514.D  
 Acq: 10 Jan 2019 18:28

Instrument :  
 BNA\_M  
 ClientSampled :  
 SP-1-1

Tot Ion: 82 Resp: 2796515  

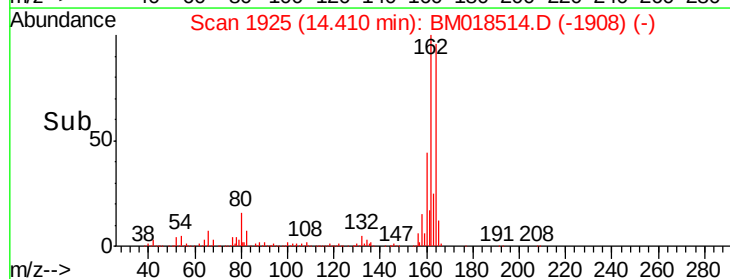
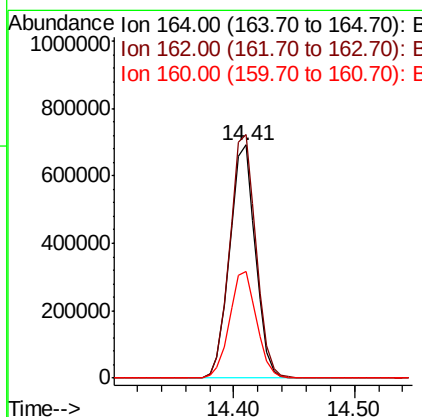
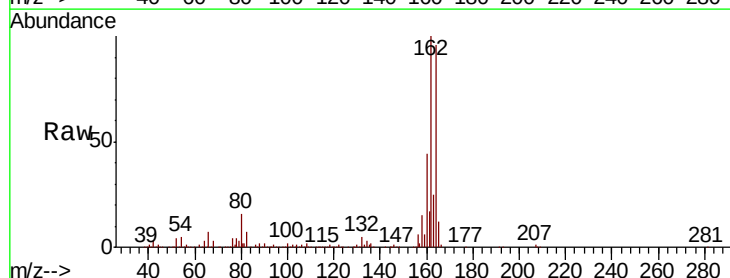
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.0  | 36.3  | 54.5  |
| 54  | 49.7  | 41.7  | 62.5  |

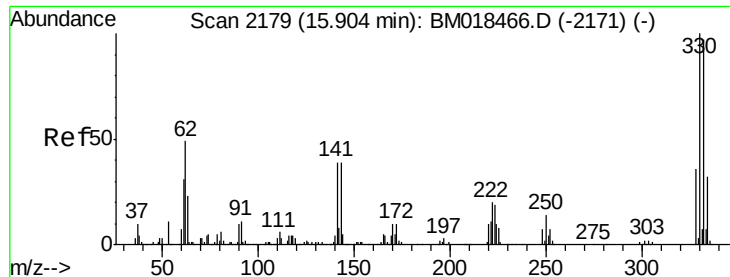


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.41 min Scan# 1925  
 Delta R.T. 0.00 min  
 Lab File: BM018514.D  
 Acq: 10 Jan 2019 18:28

Tgt Ion: 164 Resp: 1024800  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.6 | 83.0  | 124.4 |
| 160 | 46.0  | 37.1  | 55.7  |

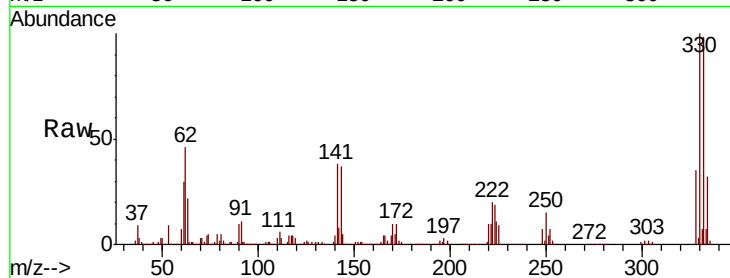




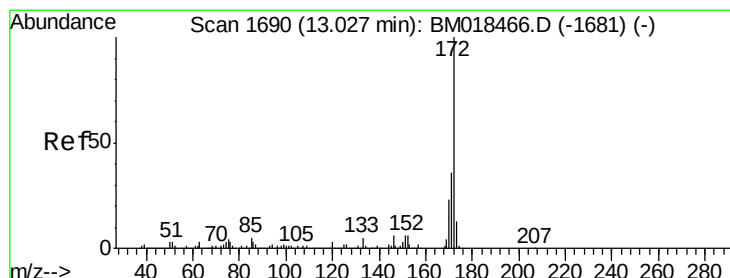
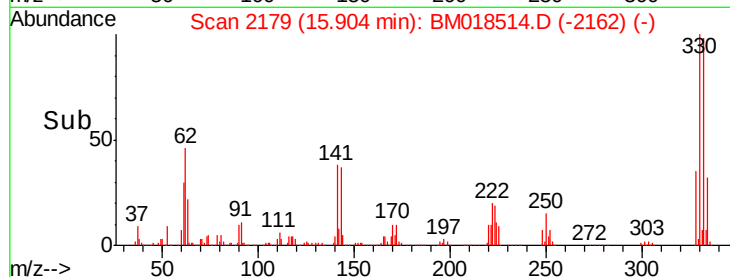
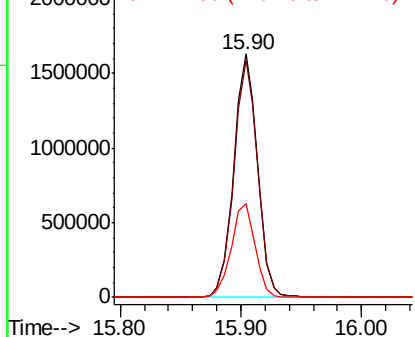
#42  
 2,4,6-Tribromophenol  
 Concen: 171.236 ng  
 RT: 15.90 min Scan# 2179  
 Delta R.T. 0.00 min  
 Lab File: BM018514.D  
 Acq: 10 Jan 2019 18:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SP-1-1

Tot Ion:330 Resp: 2234386  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.6 116.4  
 141 39.2 31.7 47.5

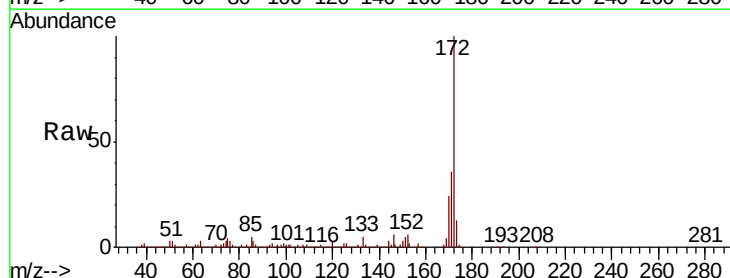


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

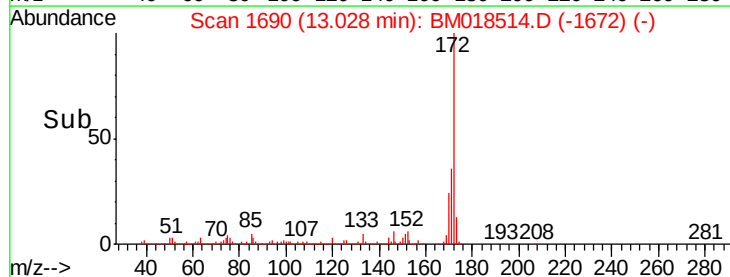
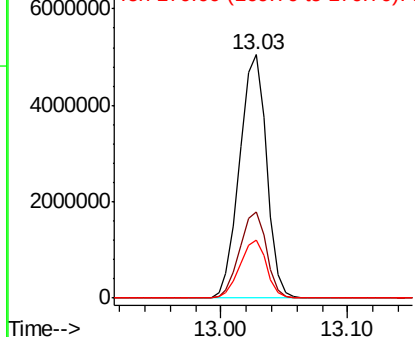


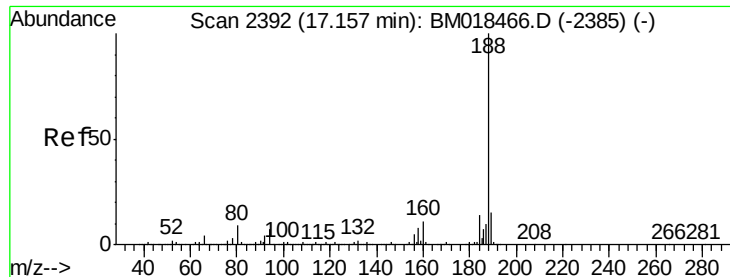
#45  
 2-Fluorobiphenyl  
 Concen: 94.797 ng  
 RT: 13.03 min Scan# 1690  
 Delta R.T. 0.01 min  
 Lab File: BM018514.D  
 Acq: 10 Jan 2019 18:28

Tgt Ion:172 Resp: 7445049  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.2 42.4  
 170 23.7 18.9 28.3



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

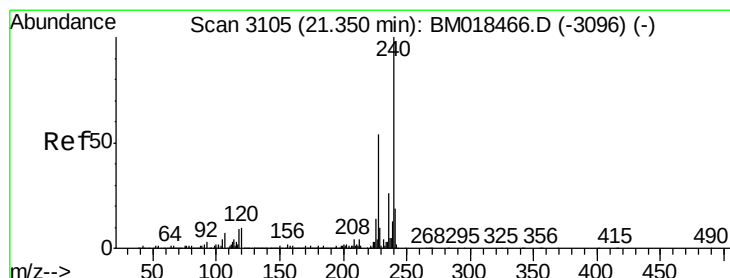
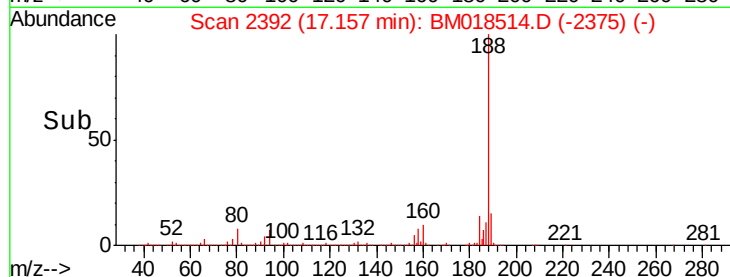
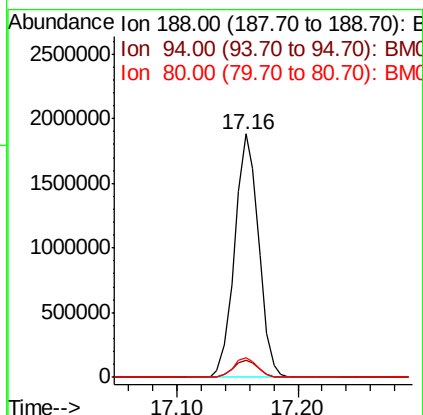
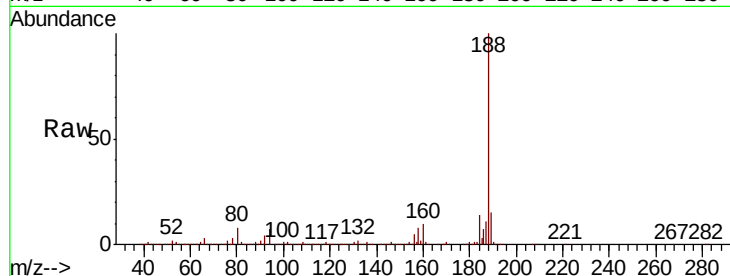




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.16 min Scan# 2392  
Delta R.T. 0.00 min  
Lab File: BM018514.D  
Acq: 10 Jan 2019 18:28

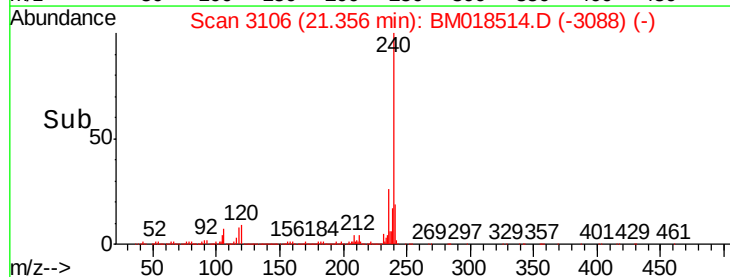
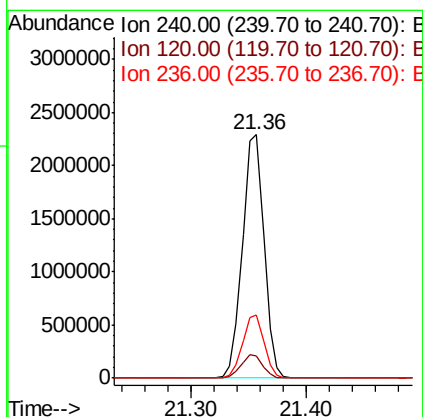
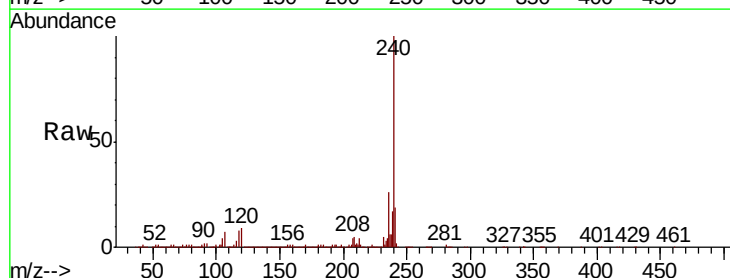
Instrument :  
BNA\_M  
ClientSampled :  
SP-1-1

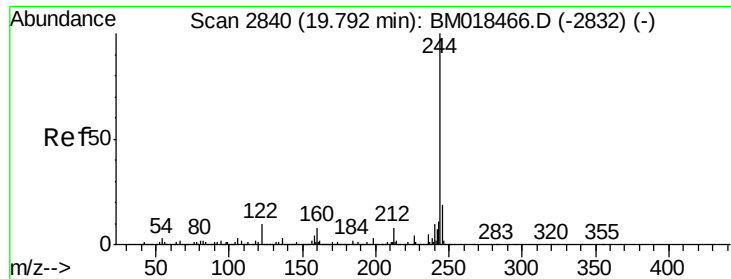
Tot Ion:188 Resp: 2606188  
Ion Ratio Lower Upper  
188 100  
94 7.2 7.1 10.7  
80 8.1 7.6 11.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.36 min Scan# 3106  
Delta R.T. 0.01 min  
Lab File: BM018514.D  
Acq: 10 Jan 2019 18:28

Tgt Ion:240 Resp: 2975293  
Ion Ratio Lower Upper  
240 100  
120 9.1 8.4 12.6  
236 25.8 20.7 31.1





#79

Terphenyl-d14

Concen: 87.329 ng

RT: 19.79 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BM018514.D

Acq: 10 Jan 2019 18:28

Instrument :

BNA\_M

ClientSampled :

SP-1-1

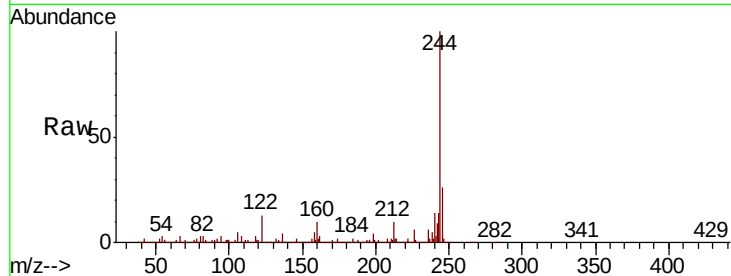
Tot Ion:244 Resp:12325619

Ion Ratio Lower Upper

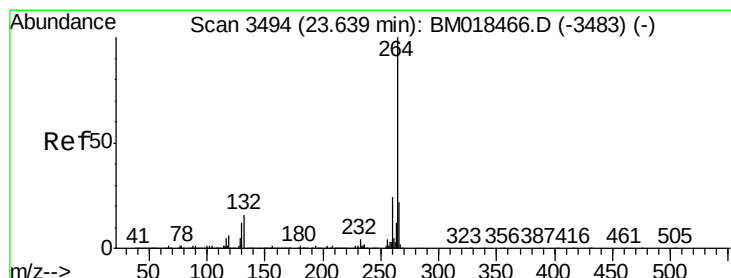
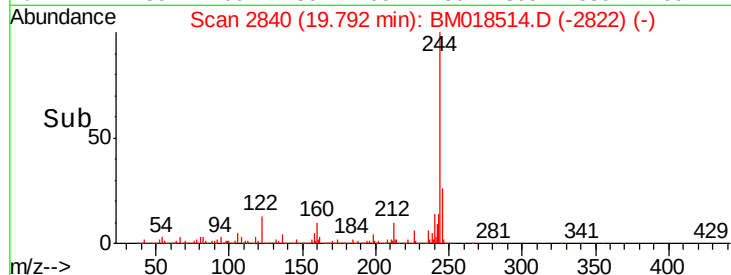
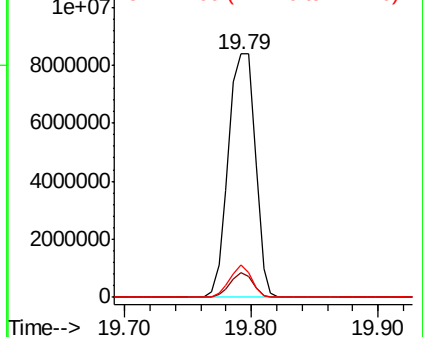
244 100

212 10.4 5.9 8.9#

122 13.3 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM018514.D

Acq: 10 Jan 2019 18:28

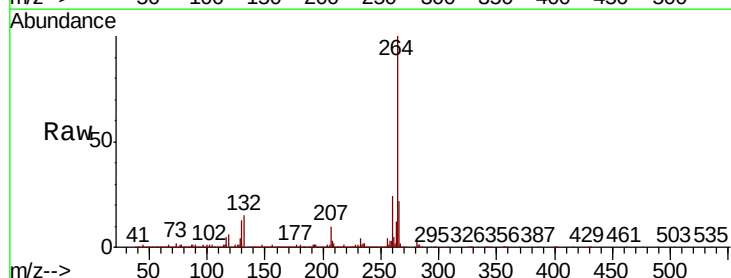
Tgt Ion:264 Resp: 3080104

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.8 16.8 25.2



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

