

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\  
 Data File : BM018497.D  
 Acq On : 10 Jan 2019 06:57  
 Operator : JU/SJ  
 Sample : K1082-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jan 10 08:26:18 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  | 557201   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.55 | 136  | 2357539  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.41 | 164  | 1360403  | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.16 | 188  | 3024466  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.35 | 240  | 2234624  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.64 | 264  | 2149753  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 4046264  | 134.09 | ng    | 0.00     |
| 7) Phenol-d6                | 6.95  | 99   | 4719711  | 123.14 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.93  | 82   | 3770103  | 92.71  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.90 | 330  | 2665170  | 153.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.03 | 172  | 9726605  | 93.30  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.79 | 244  | 11732131 | 110.68 | ng    | 0.00     |

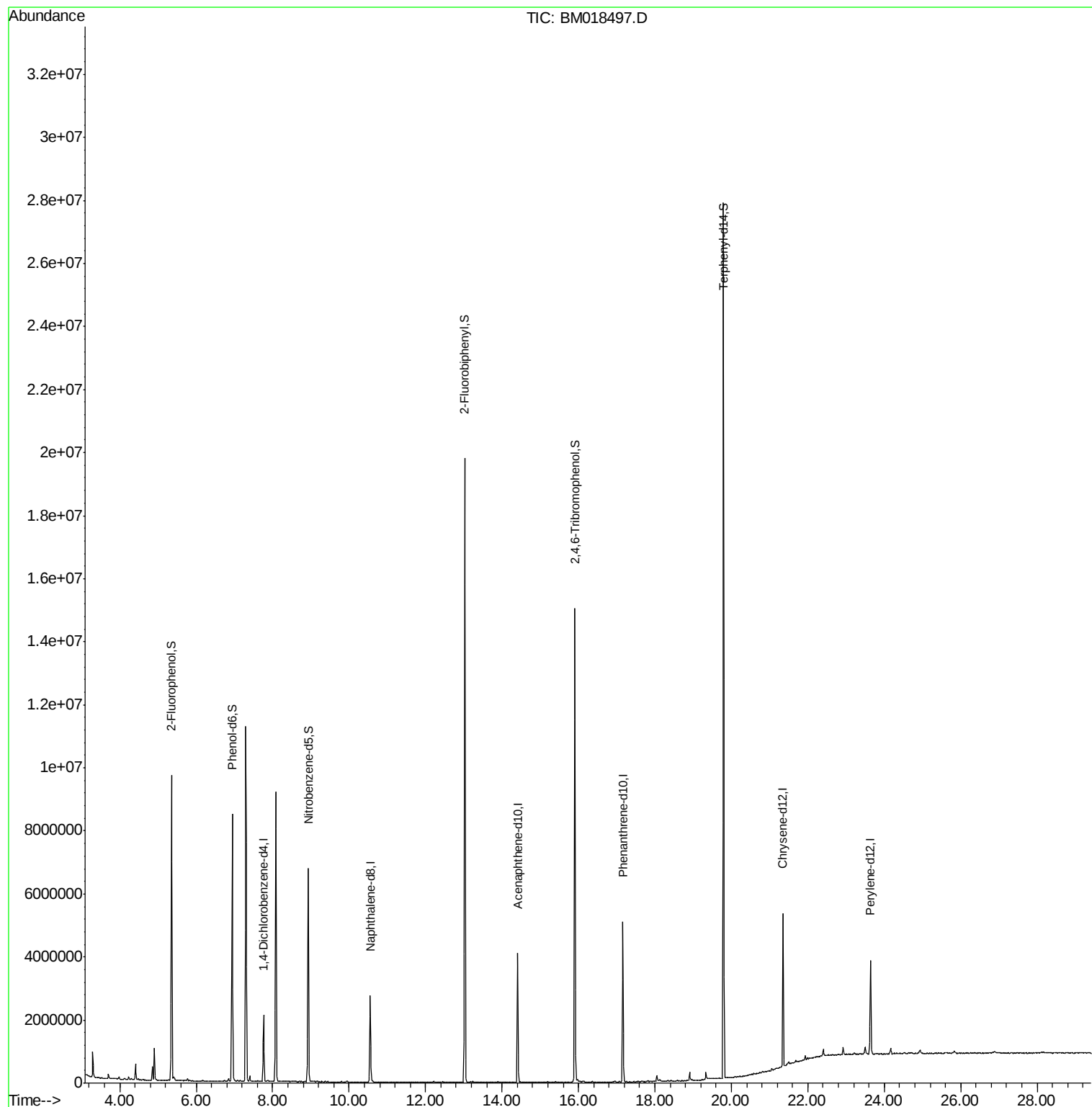
Target Compounds Qvalue

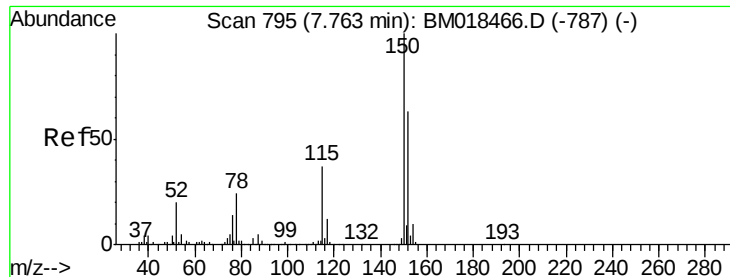
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



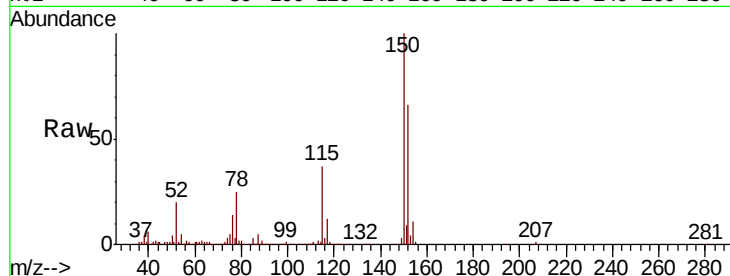


#1

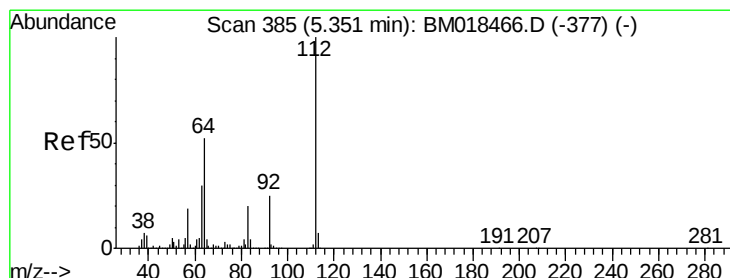
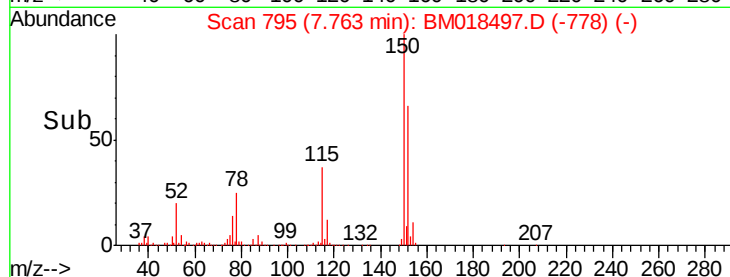
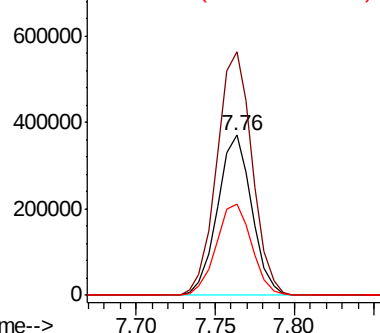
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.76 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: BM018497.D  
Acq: 10 Jan 2019 06:57

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.0 | 126.9 | 190.3 |
| 115     | 56.9  | 45.5  | 68.3  |



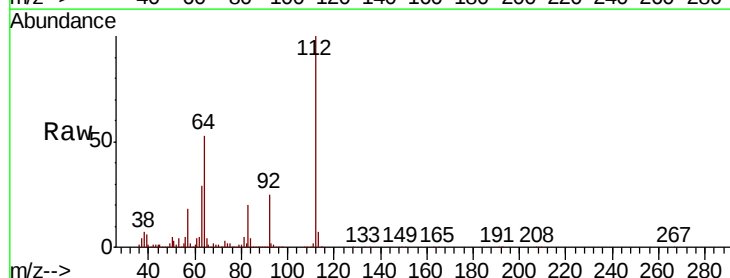
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



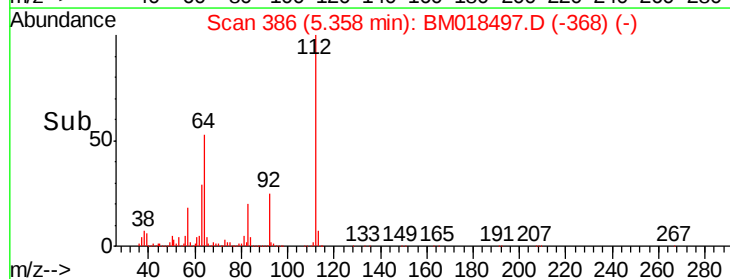
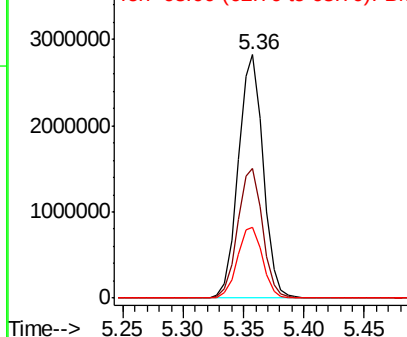
#5

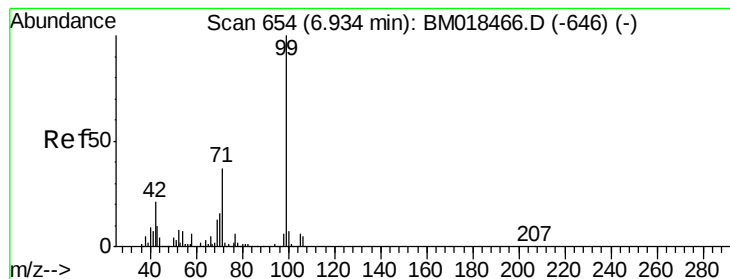
2-Fluorophenol  
Concen: 134.088 ng  
RT: 5.36 min Scan# 386  
Delta R.T. 0.01 min  
Lab File: BM018497.D  
Acq: 10 Jan 2019 06:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.5  | 46.5  | 69.7  |
| 63      | 29.1  | 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: 123.142 ng

RT: 6.95 min Scan# 656

Delta R.T. 0.01 min

Lab File: BM018497.D

Acq: 10 Jan 2019 06:57

Instrument :

BNA\_M

ClientSampleId :

SP-1-1

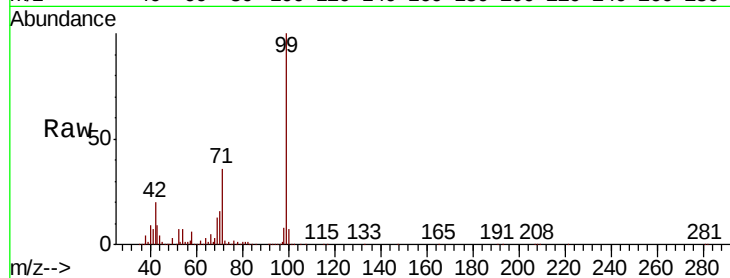
Tot Ion: 99 Resp: 4719711

Ion Ratio Lower Upper

99 100

42 19.7 17.3 25.9

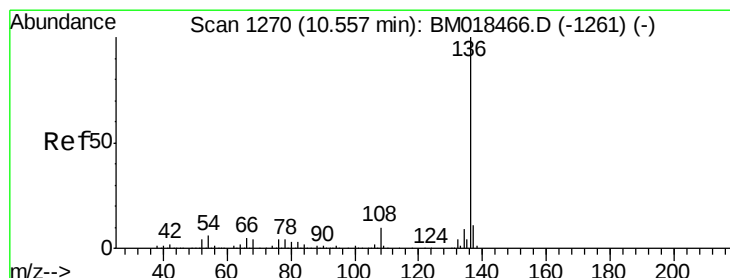
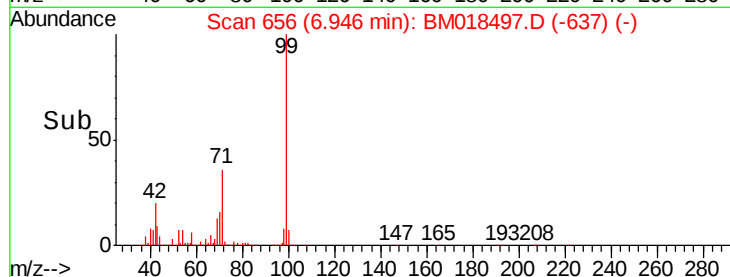
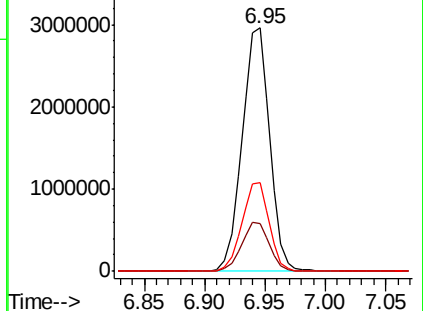
71 36.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM018497.D

Acq: 10 Jan 2019 06:57

Tgt Ion: 136 Resp: 2357539

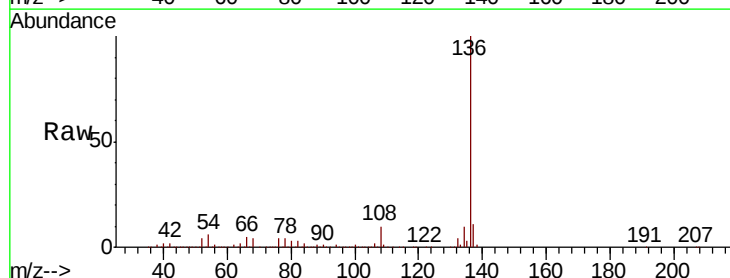
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.5 6.0 9.0

68 4.4 4.5 6.7#

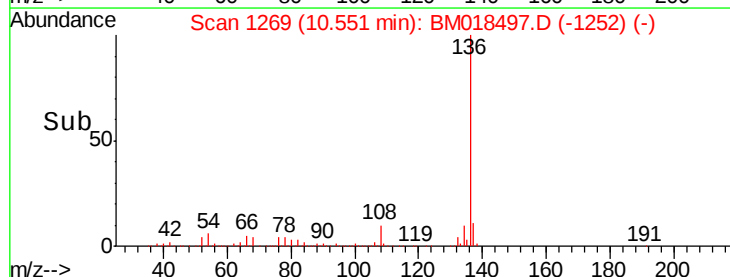
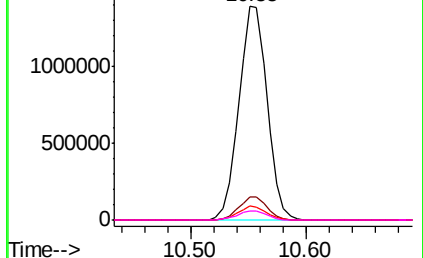


Abundance Ion 136.00 (135.70 to 136.70): BM018466.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM018466.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM018466.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM018466.D (-1261) (-)

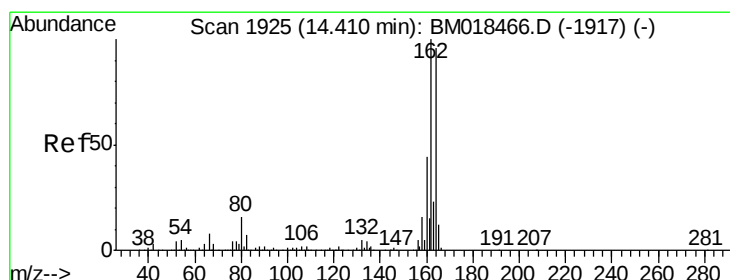
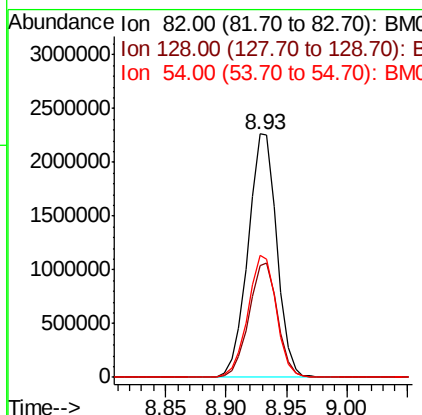
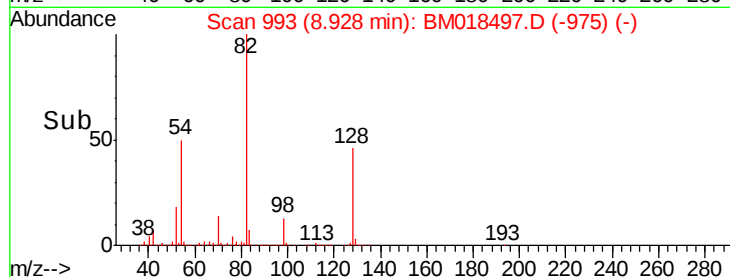
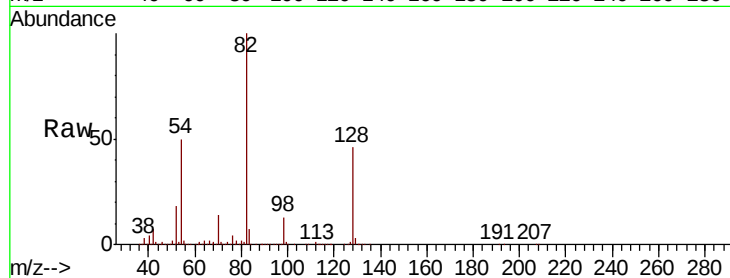




#23  
Nitrobenzene-d5  
Concen: 92.705 ng  
RT: 8.93 min Scan# 993  
Delta R.T. 0.01 min  
Lab File: BM018497.D  
Acq: 10 Jan 2019 06:57

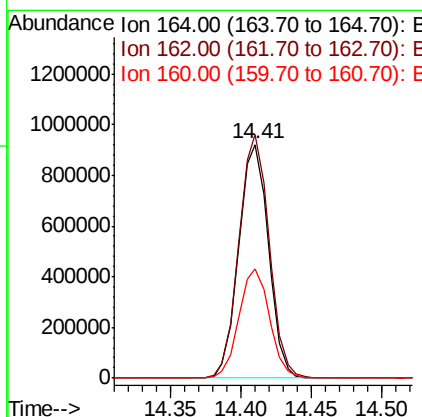
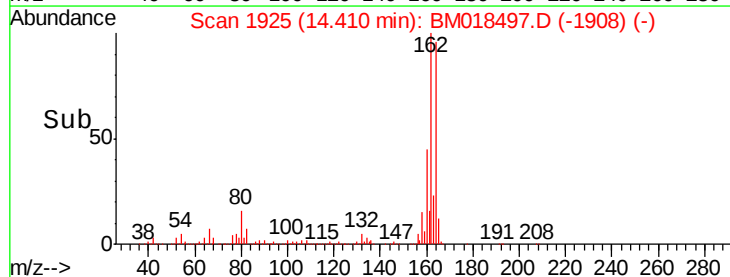
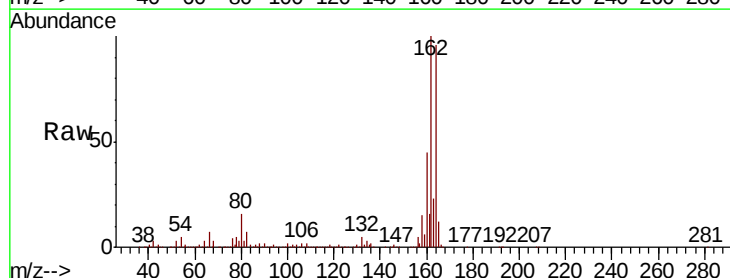
Instrument :  
BNA\_M  
ClientSampleId :  
SP-1-1

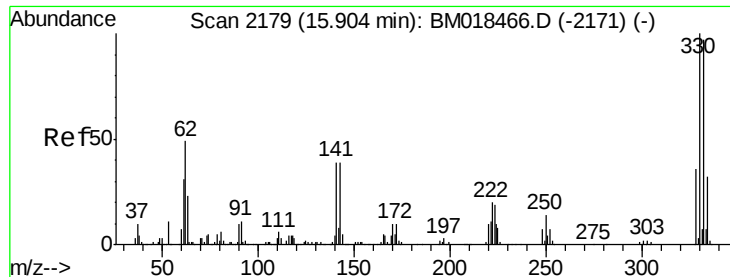
Tot Ion: 82 Resp: 3770103  
Ion Ratio Lower Upper  
82 100  
128 46.0 36.3 54.5  
54 50.1 41.7 62.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.41 min Scan# 1925  
Delta R.T. 0.00 min  
Lab File: BM018497.D  
Acq: 10 Jan 2019 06:57

Tgt Ion:164 Resp: 1360403  
Ion Ratio Lower Upper  
164 100  
162 104.1 83.0 124.4  
160 46.9 37.1 55.7

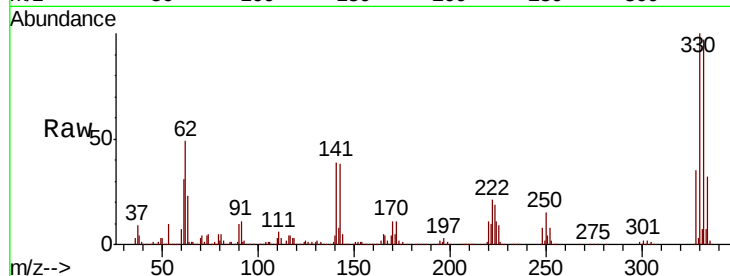




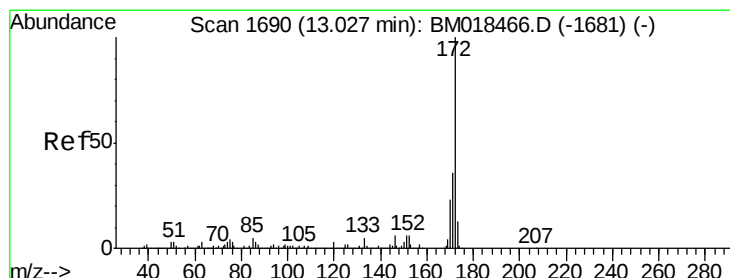
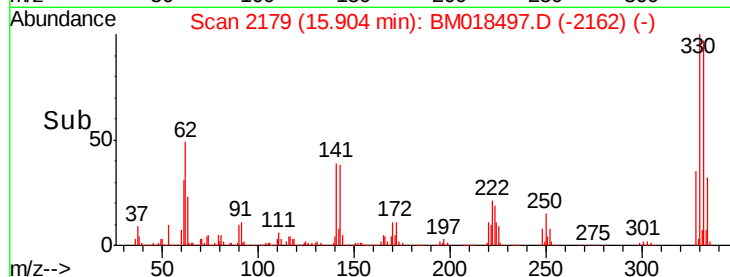
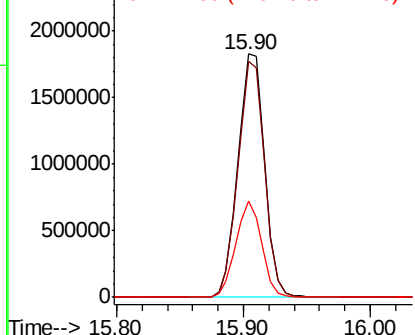
#42  
 2,4,6-Tribromophenol  
 Concen: 153.863 ng  
 RT: 15.90 min Scan# 2179  
 Delta R.T. 0.00 min  
 Lab File: BM018497.D  
 Acq: 10 Jan 2019 06:57

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

Tot Ion:330 Resp: 2665170  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.6 116.4  
 141 38.1 31.7 47.5

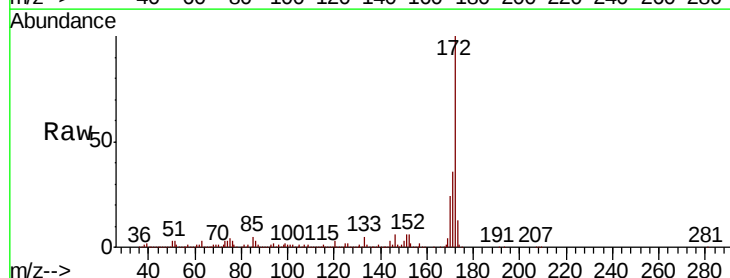


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

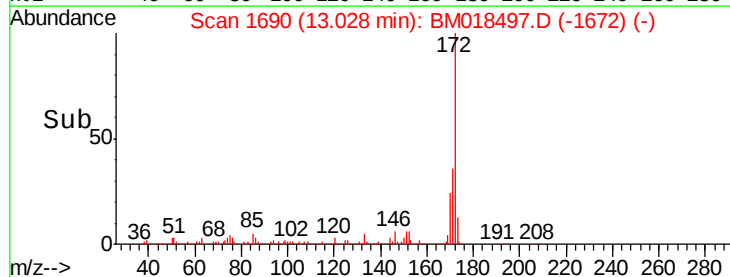
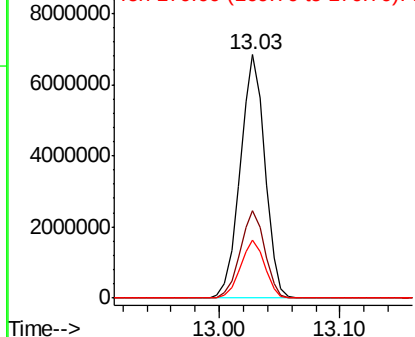


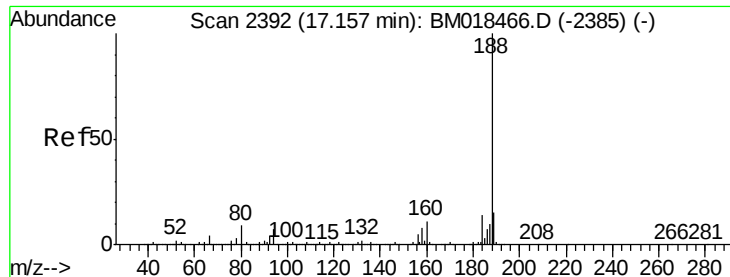
#45  
 2-Fluorobiphenyl  
 Concen: 93.295 ng  
 RT: 13.03 min Scan# 1690  
 Delta R.T. 0.01 min  
 Lab File: BM018497.D  
 Acq: 10 Jan 2019 06:57

Tgt Ion:172 Resp: 9726605  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 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

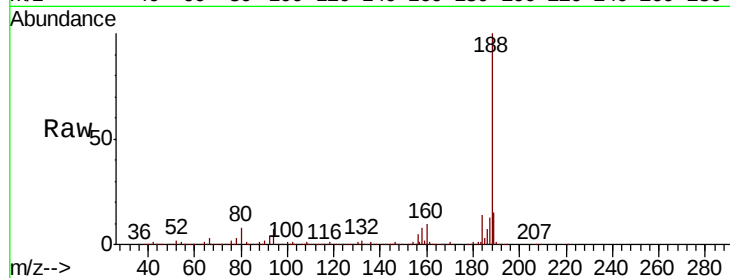




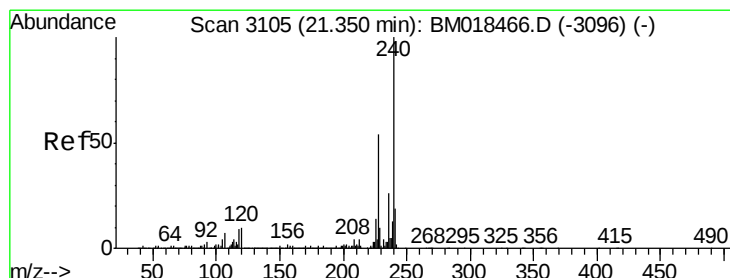
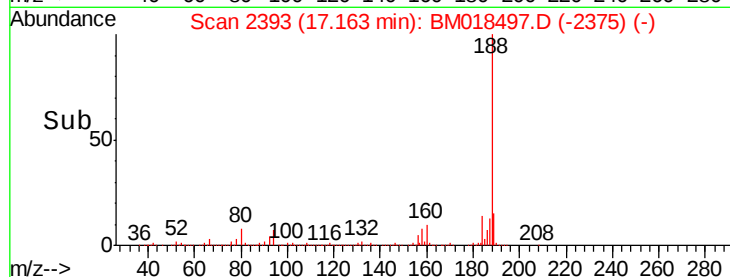
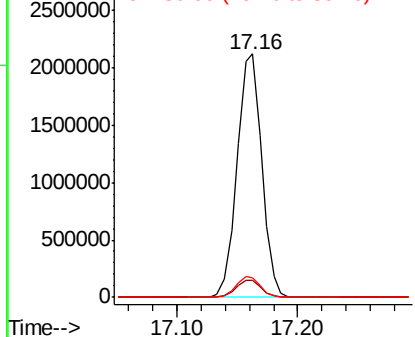
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.16 min Scan# 2393  
Delta R.T. 0.01 min  
Lab File: BM018497.D  
Acq: 10 Jan 2019 06:57

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

Tot Ion:188 Resp: 3024466  
Ion Ratio Lower Upper  
188 100  
94 7.2 7.1 10.7  
80 8.1 7.6 11.4

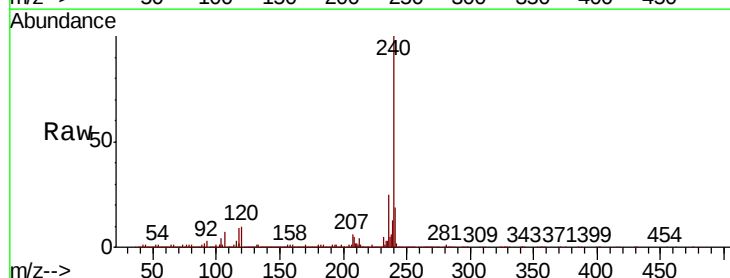


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM018497.D  
Ion 80.00 (79.70 to 80.70): BM018497.D

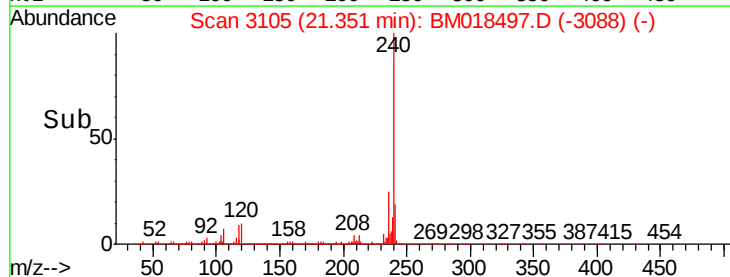
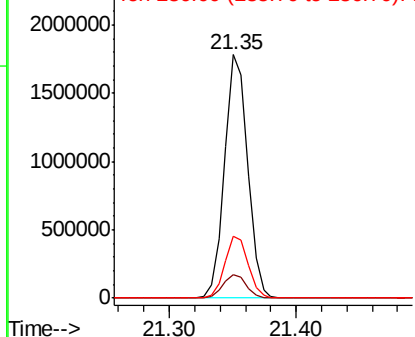


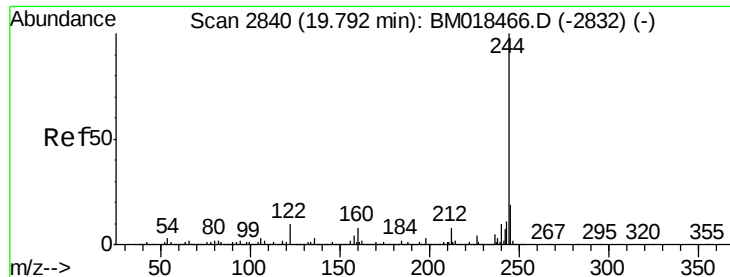
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.35 min Scan# 3105  
Delta R.T. 0.00 min  
Lab File: BM018497.D  
Acq: 10 Jan 2019 06:57

Tgt Ion:240 Resp: 2234624  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.4 12.6  
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

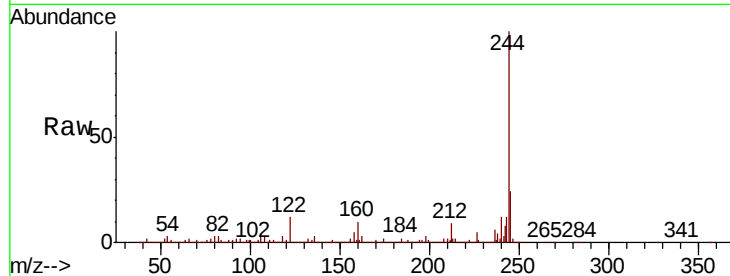




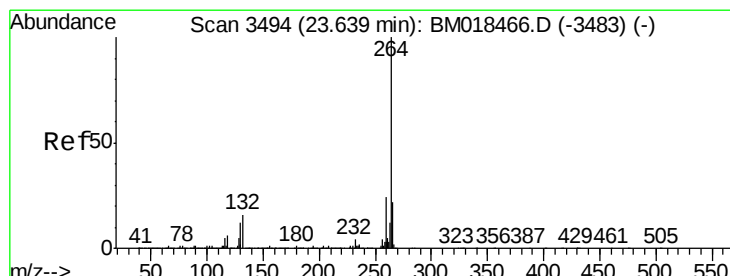
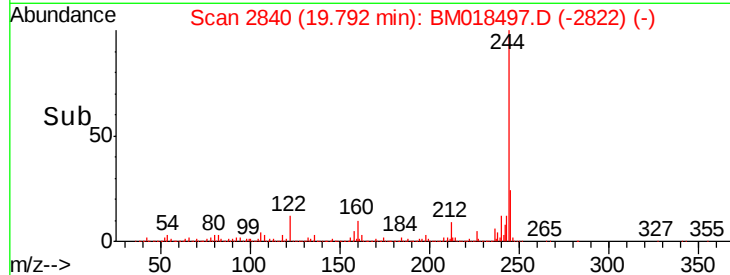
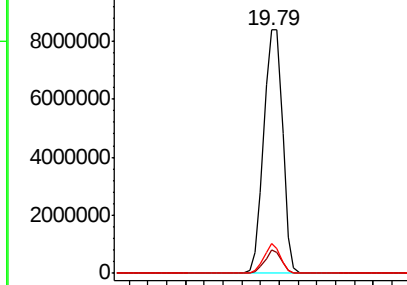
#79  
 Terphenyl-d14  
 Concen: 110.675 ng  
 RT: 19.79 min Scan# 2840  
 Delta R.T. 0.01 min  
 Lab File: BM018497.D  
 Acq: 10 Jan 2019 06:57

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

Tot Ion:244 Resp:11732131  
 Ion Ratio Lower Upper  
 244 100  
 212 9.5 5.9 8.9#  
 122 12.4 9.0 13.4

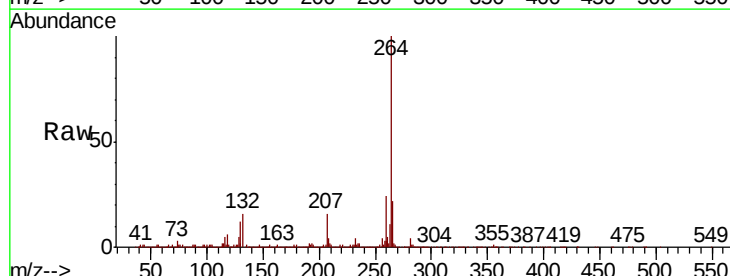


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.64 min Scan# 3494  
 Delta R.T. 0.01 min  
 Lab File: BM018497.D  
 Acq: 10 Jan 2019 06:57

Tgt Ion:264 Resp: 2149753  
 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

