

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\  
 Data File : BM022208.D  
 Acq On : 20 Aug 2019 12:32  
 Operator : HP/JU  
 Sample : K4330-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0631-SITE-WATER-MUNICIPAL

Quant Time: Aug 20 23:44:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 20 02:18:05 2019  
 Response via : Initial Calibration

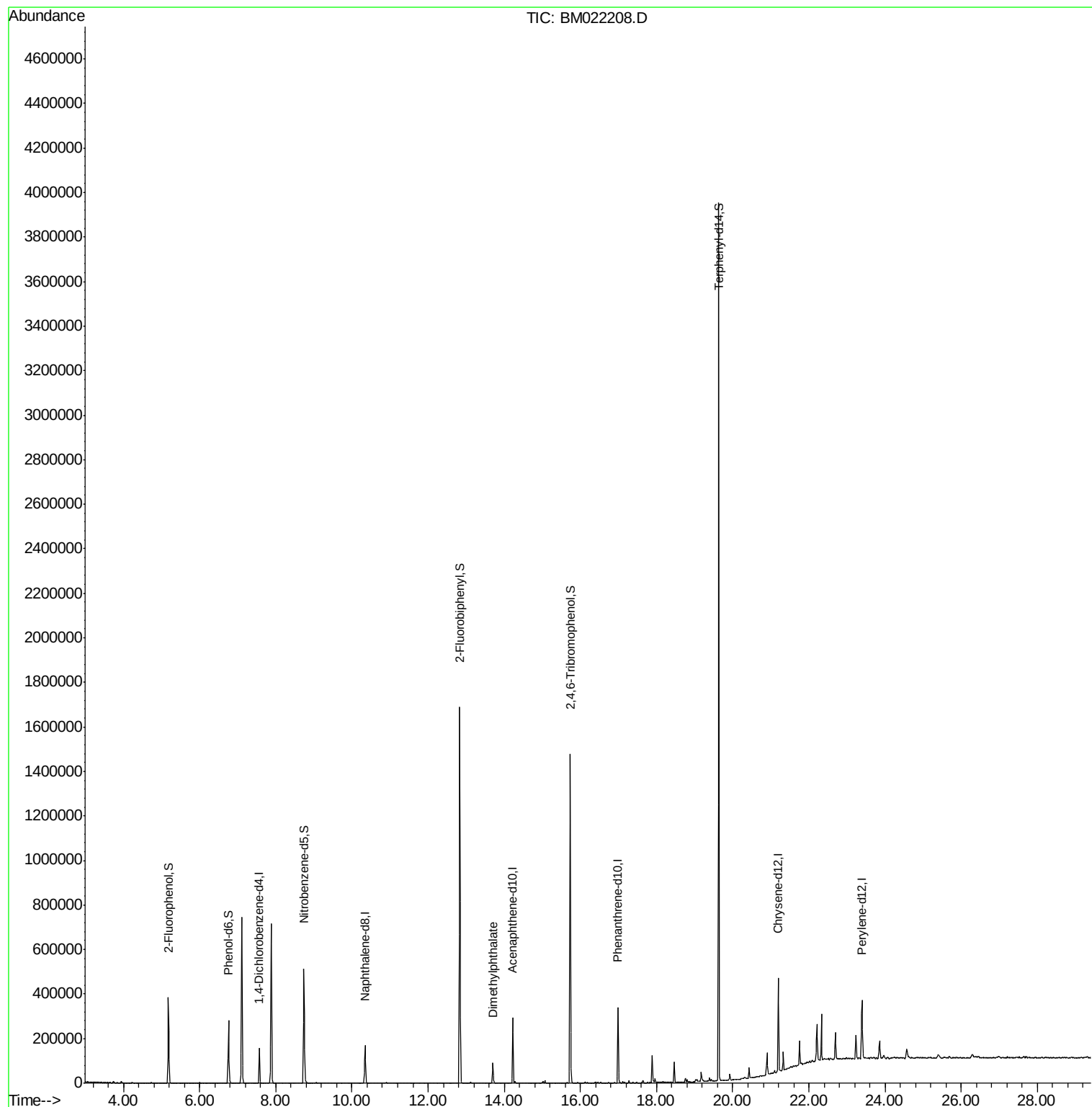
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.57  | 152  | 35278    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.35 | 136  | 134953   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.23 | 164  | 90909    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.99 | 188  | 195633   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.20 | 240  | 178816   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.40 | 264  | 184194   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.19  | 112  | 136714   | 69.06  | ng    | 0.00     |
| 7) Phenol-d6                | 6.76  | 99   | 133506   | 50.64  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.74  | 82   | 279565   | 100.76 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 237132   | 161.16 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.83 | 172  | 735782   | 101.09 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.63 | 244  | 1499559  | 122.19 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 50) Dimethylphthalate       | 13.70 | 163  | 60669    | 7.938  | ng    | 99       |

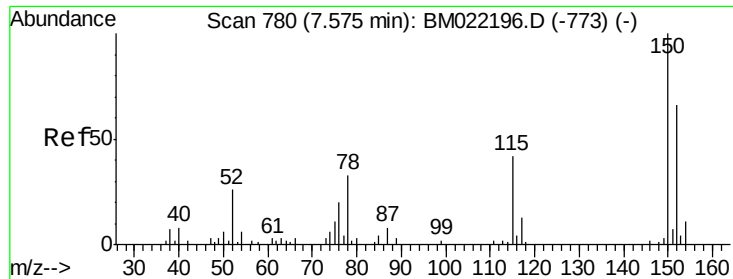
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 7 Sample Multiplier: 1

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0631-SITE-WATER-MUNICIPAL

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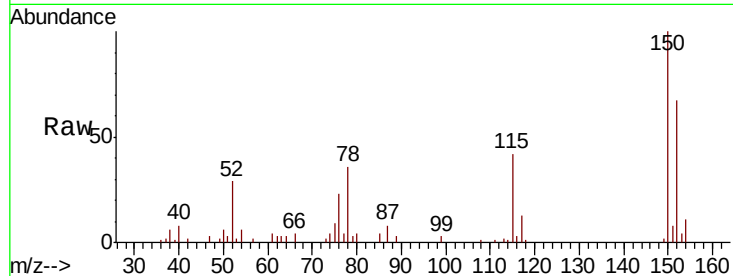




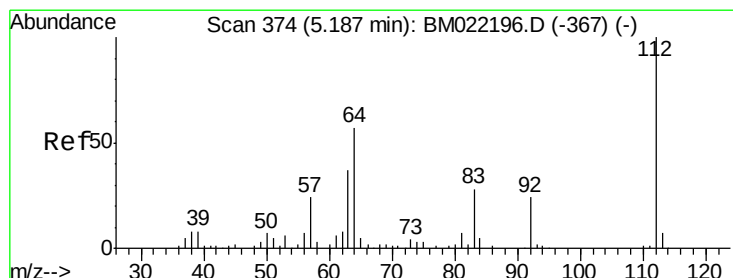
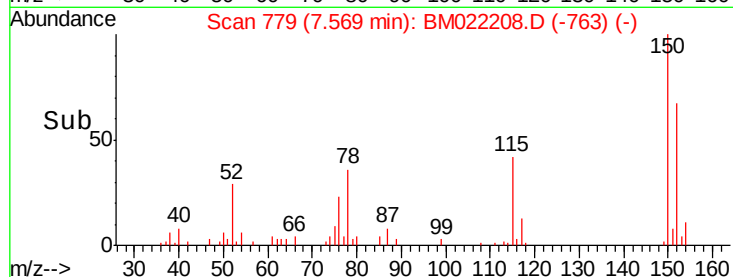
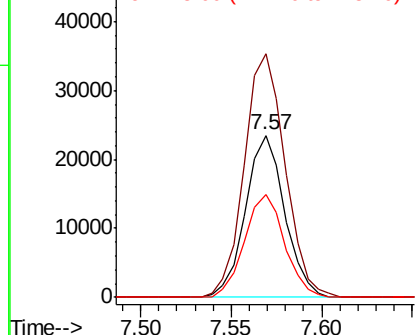
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.57 min Scan# 779  
 Delta R.T. -0.01 min  
 Lab File: BM022208.D  
 Acq: 20 Aug 2019 12:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0631-SITE-WATER-MUNICIPAL

Tot Ion:152 Resp: 35278  
 Ion Ratio Lower Upper  
 152 100  
 150 150.1 123.1 184.7  
 115 63.2 44.2 66.4

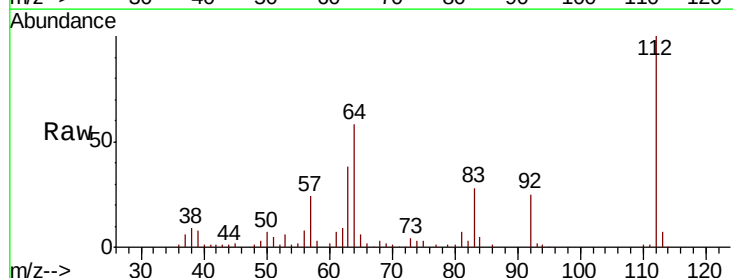


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

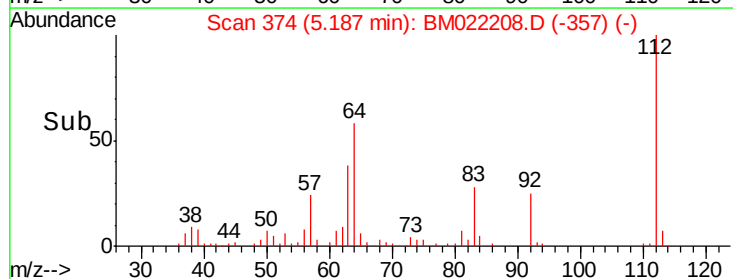
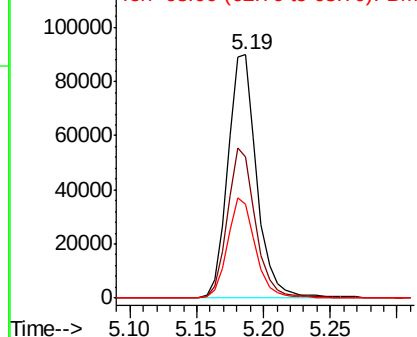


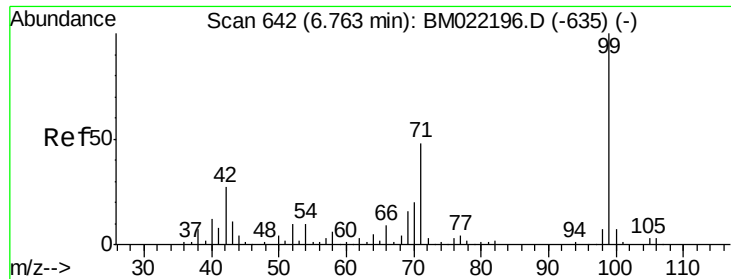
#5  
 2-Fluorophenol  
 Concen: 69.058 ng  
 RT: 5.19 min Scan# 374  
 Delta R.T. 0.00 min  
 Lab File: BM022208.D  
 Acq: 20 Aug 2019 12:32

Tgt Ion:112 Resp: 136714  
 Ion Ratio Lower Upper  
 112 100  
 64 58.2 45.2 67.8  
 63 38.4 23.5 35.3#



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: 50.641 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.01 min

Lab File: BM022208.D

Acq: 20 Aug 2019 12:32

Instrument :

BNA\_M

ClientSampleId :

0631-SITE-WATER-MUNICIPAL

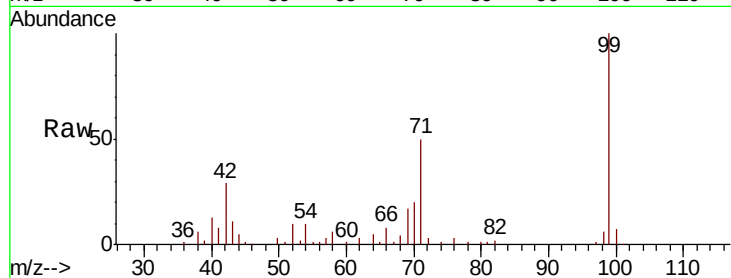
Tot Ion: 99 Resp: 133506

Ion Ratio Lower Upper

99 100

42 28.7 13.5 20.3#

71 50.4 29.3 43.9#

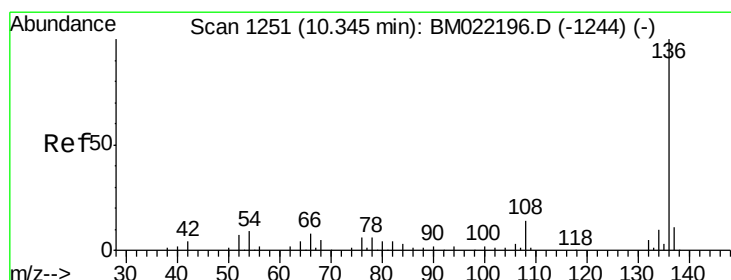
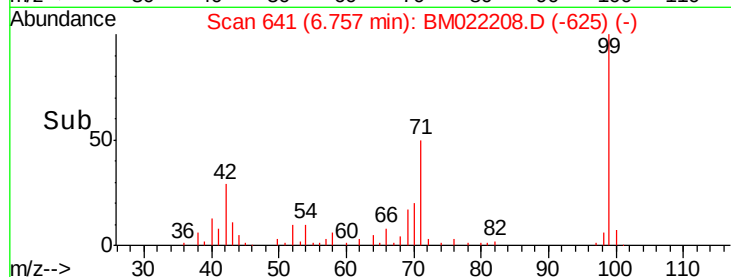
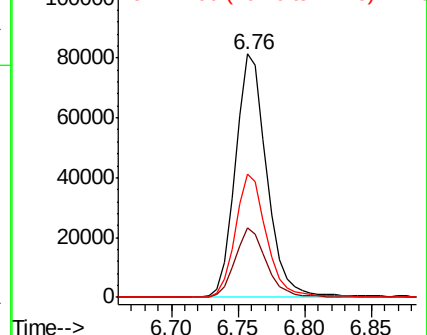


Abundance

Ion 99.00 (98.70 to 99.70): BM022196.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM022196.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM022196.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1251

Delta R.T. 0.00 min

Lab File: BM022208.D

Acq: 20 Aug 2019 12:32

Tgt Ion: 136 Resp: 134953

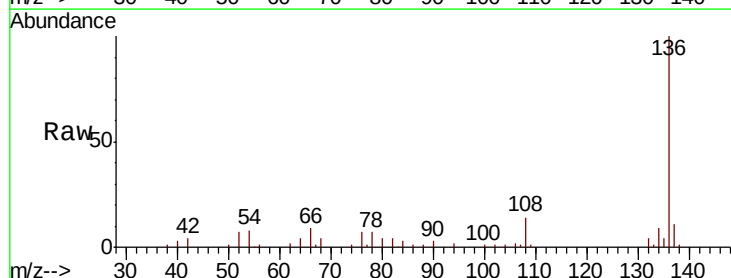
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.0 5.3 7.9#

68 4.3 4.4 6.6#



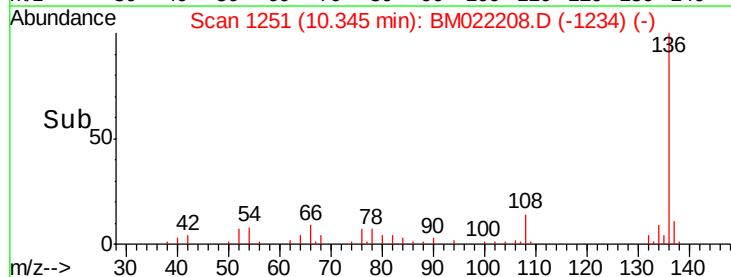
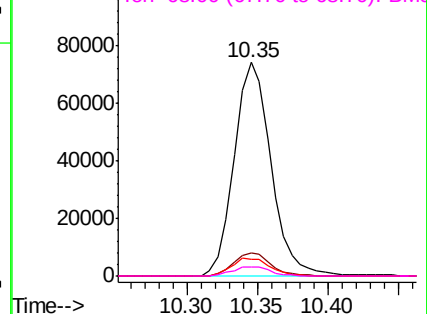
Abundance

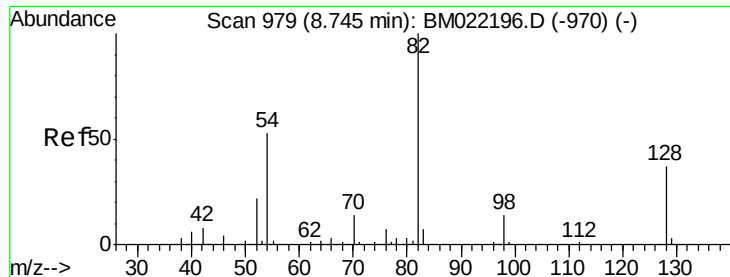
Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

Ion 137.00 (136.70 to 137.70): BM022196.D (-1244) (-)

Ion 54.00 (53.70 to 54.70): BM022196.D (-1244) (-)

Ion 68.00 (67.70 to 68.70): BM022196.D (-1244) (-)

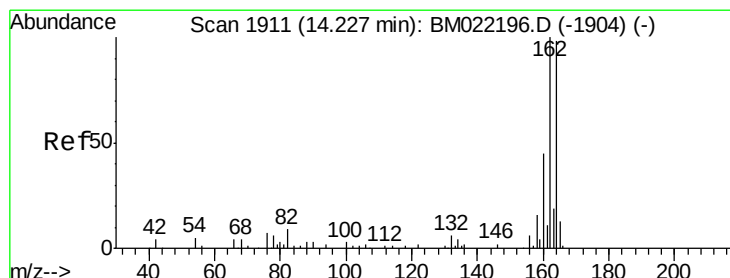
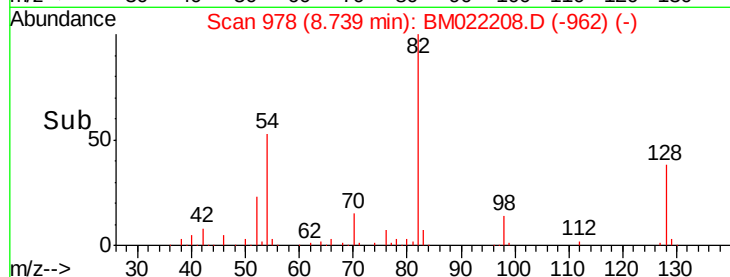
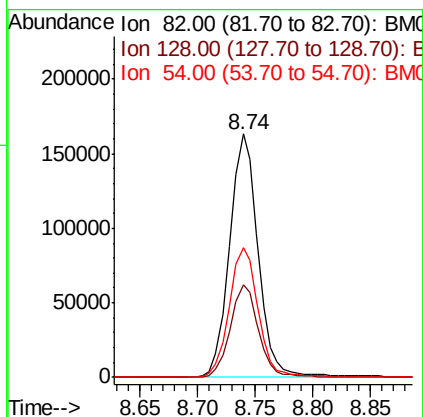
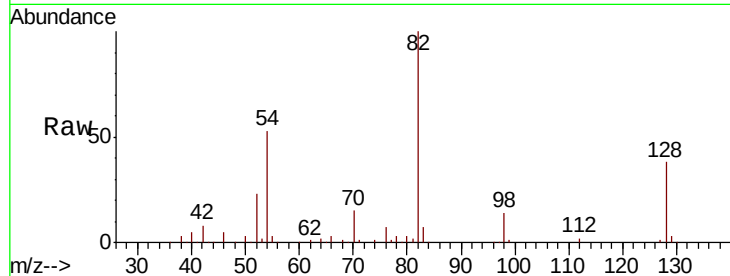




#23  
Nitrobenzene-d5  
Concen: 100.755 ng  
RT: 8.74 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: BM022208.D  
Acq: 20 Aug 2019 12:32

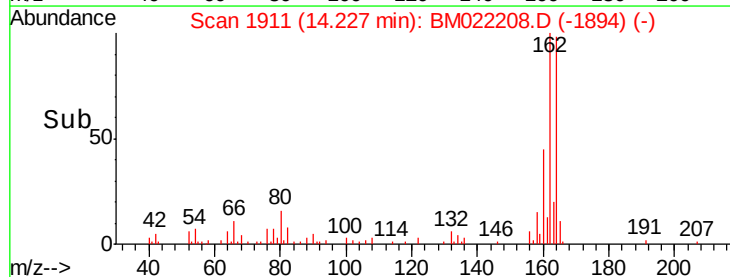
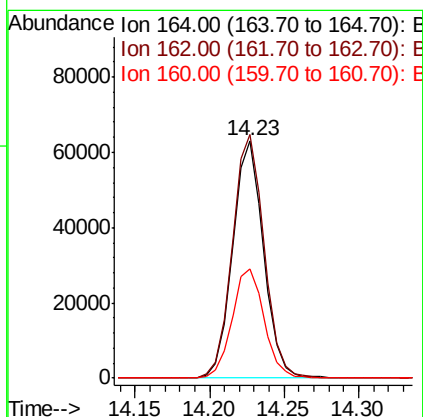
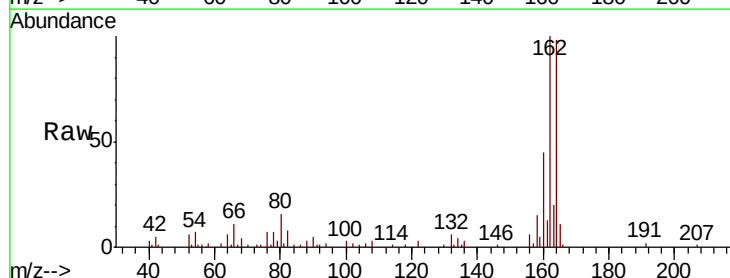
Instrument :  
BNA\_M  
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0631-SITE-WATER-MUNICIPAL

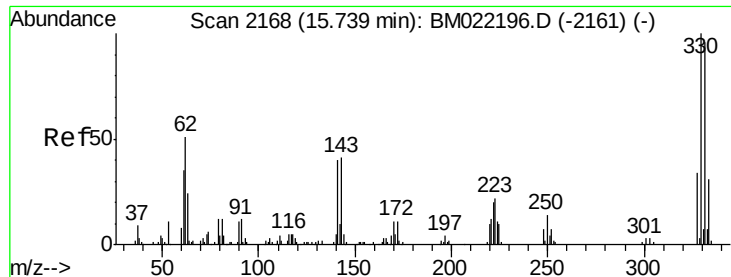
| Tot Ion   | 82   | Resp  | 279565 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 37.9 | 35.9  | 53.9   |
| 54        | 53.5 | 36.6  | 55.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.23 min Scan# 1911  
Delta R.T. 0.00 min  
Lab File: BM022208.D  
Acq: 20 Aug 2019 12:32

| Tgt Ion   | 164   | Resp  | 90909 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 102.5 | 82.1  | 123.1 |
| 160       | 45.9  | 37.1  | 55.7  |

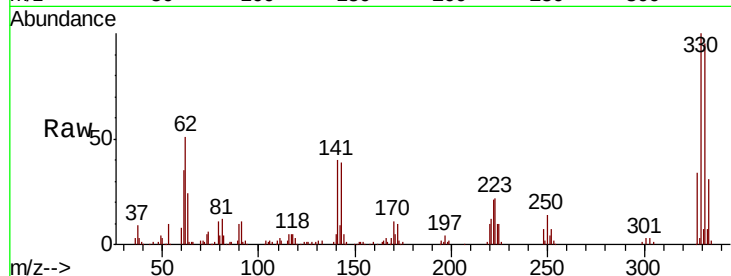




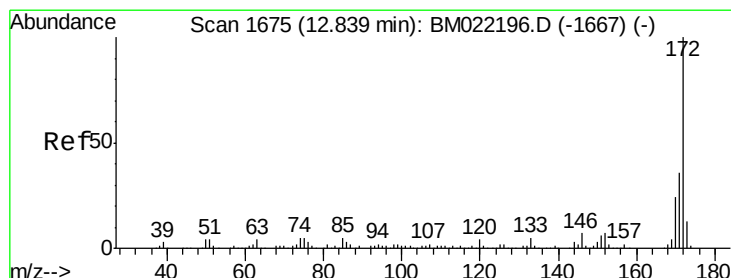
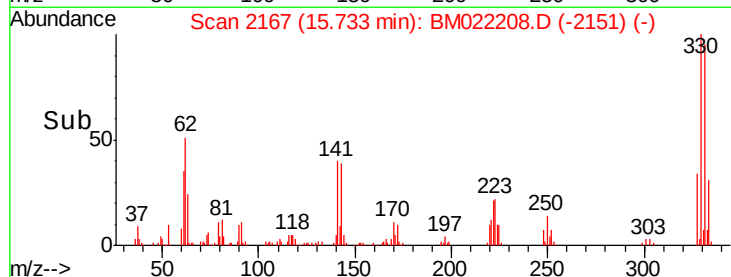
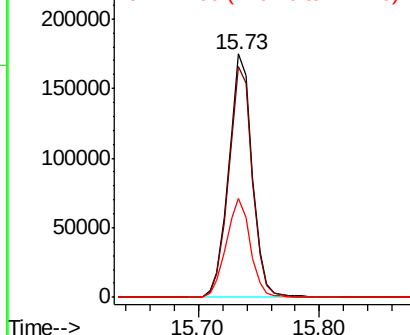
#42  
 2,4,6-Tribromophenol  
 Concen: 161.157 ng  
 RT: 15.73 min Scan# 2167  
 Delta R.T. -0.01 min  
 Lab File: BM022208.D  
 Acq: 20 Aug 2019 12:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0631-SITE-WATER-MUNICIPAL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.1  | 115.7 |
| 141     | 41.3  | 21.8  | 32.8# |

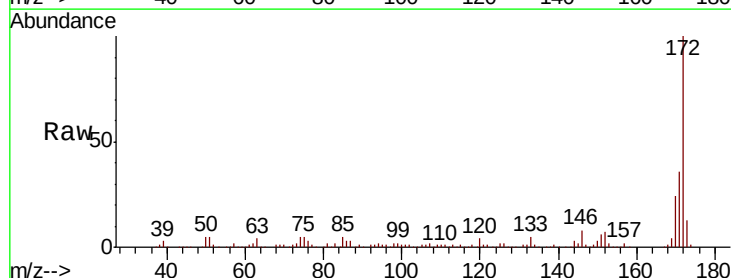


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

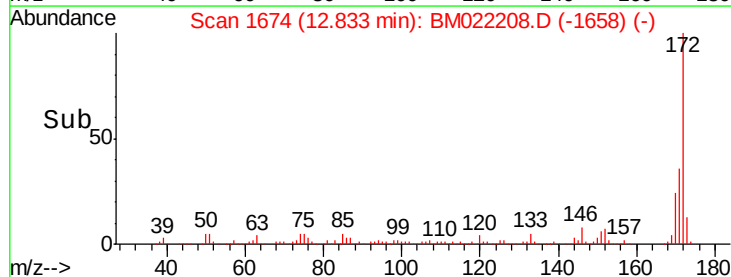
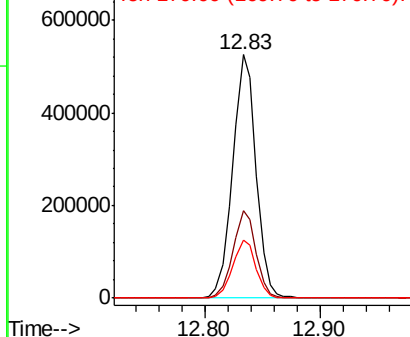


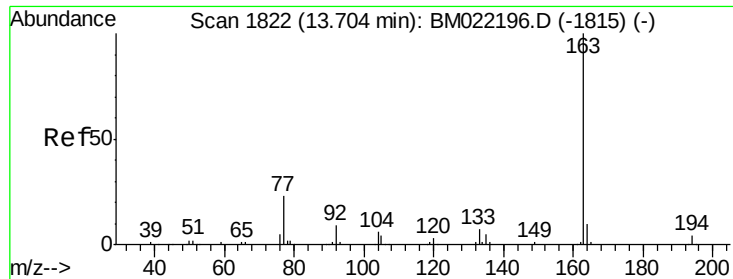
#45  
 2-Fluorobiphenyl  
 Concen: 101.089 ng  
 RT: 12.83 min Scan# 1674  
 Delta R.T. -0.01 min  
 Lab File: BM022208.D  
 Acq: 20 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.6  | 43.0  |
| 170     | 23.8  | 18.7  | 28.1  |



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

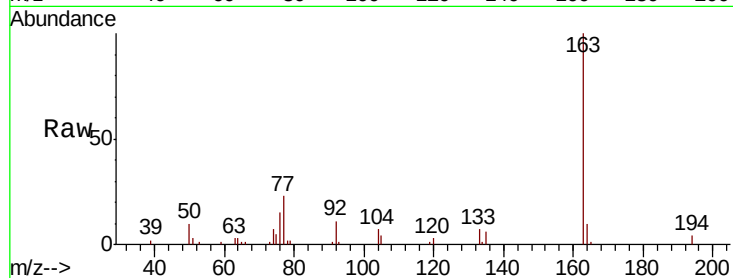




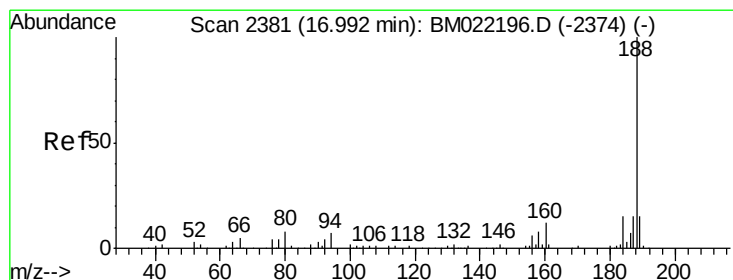
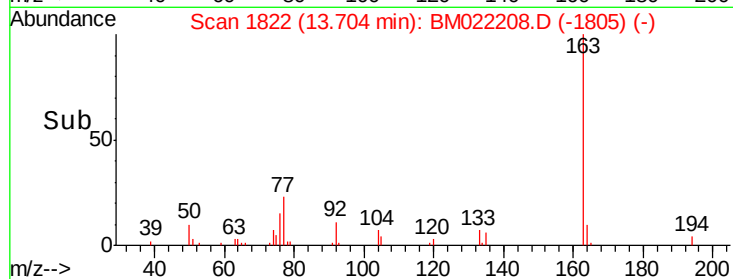
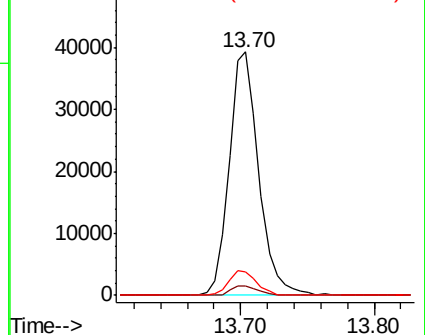
#50  
Dimethylphthalate  
Concen: 7.938 ng  
RT: 13.70 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: BM022208.D  
Acq: 20 Aug 2019 12:32

Instrument :  
BNA\_M  
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0631-SITE-WATER-MUNICIPAL

Tot Ion:163 Resp: 60669  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.4 5.2  
164 9.8 8.2 12.2

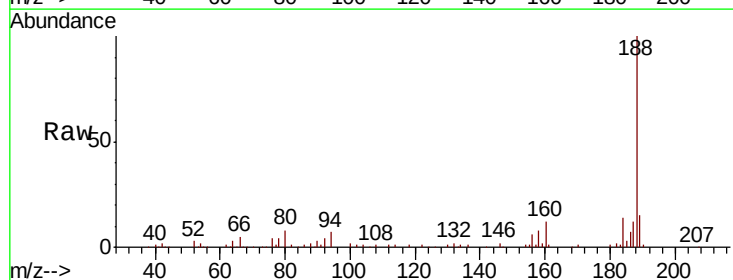


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

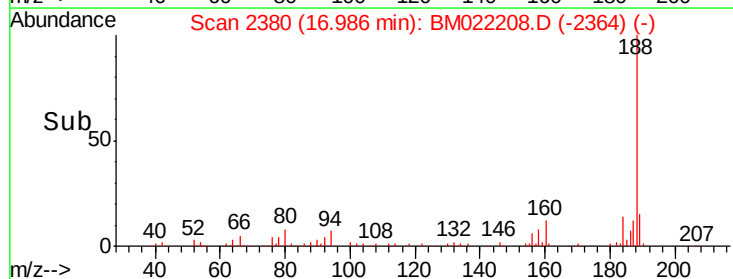
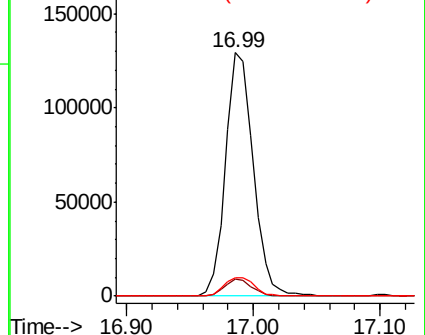


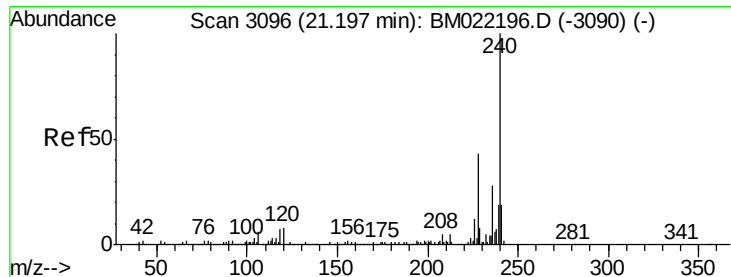
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2380  
Delta R.T. -0.01 min  
Lab File: BM022208.D  
Acq: 20 Aug 2019 12:32

Tgt Ion:188 Resp: 195633  
Ion Ratio Lower Upper  
188 100  
94 6.8 5.8 8.8  
80 7.7 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0

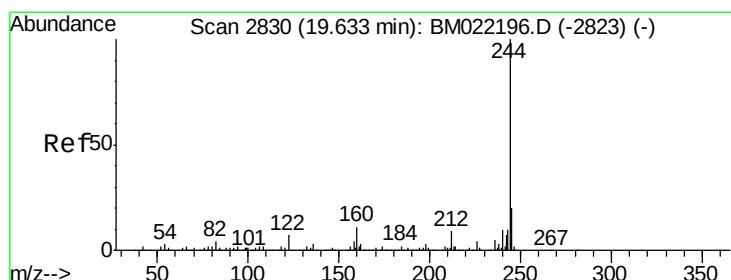
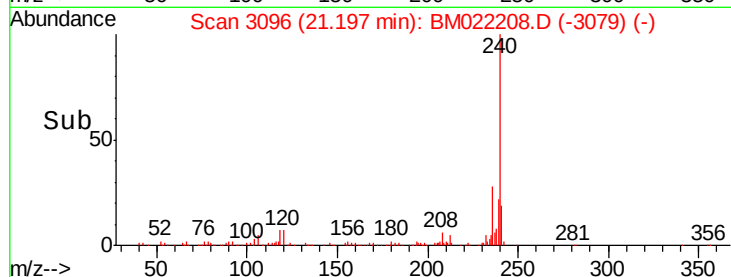
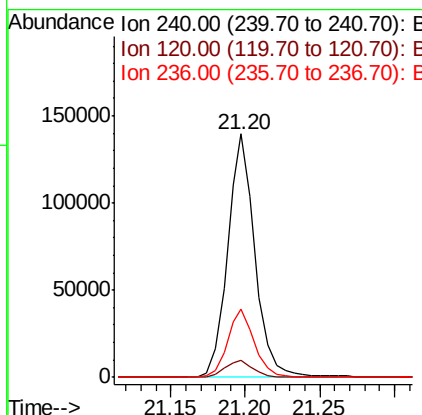
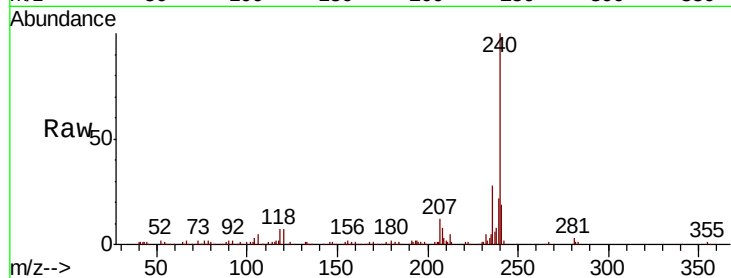




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.20 min Scan# 3096  
Delta R.T. 0.00 min  
Lab File: BM022208.D  
Acq: 20 Aug 2019 12:32

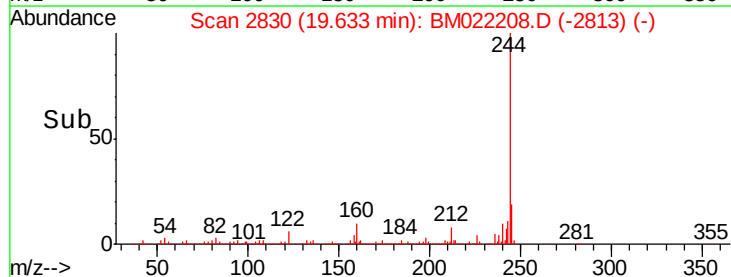
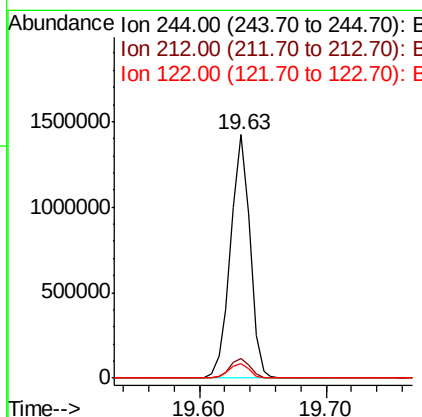
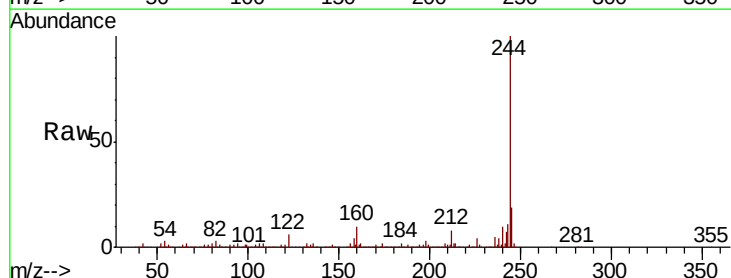
Instrument :  
BNA\_M  
ClientSampleId :  
0631-SITE-WATER-MUNICIPAL

Tot Ion:240 Resp: 178816  
Ion Ratio Lower Upper  
240 100  
120 7.1 6.9 10.3  
236 28.0 20.4 30.6

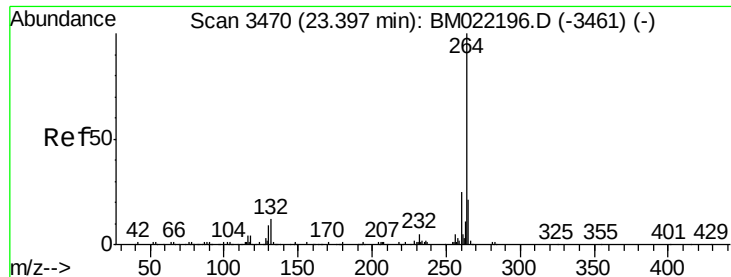


#79  
Terphenyl-d14  
Concen: 122.192 ng  
RT: 19.63 min Scan# 2830  
Delta R.T. 0.00 min  
Lab File: BM022208.D  
Acq: 20 Aug 2019 12:32

Tgt Ion:244 Resp: 1499559  
Ion Ratio Lower Upper  
244 100  
212 8.1 5.3 7.9#  
122 5.7 6.6 9.8#







#87  
Pervlone-d12  
Concen: 20.000 ng  
RT: 23.40 min Scan# 3470  
Delta R.T. 0.00 min  
Lab File: BM022208.D  
Acq: 20 Aug 2019 12:32

Instrument :  
BNA\_M  
ClientSampleId :  
0631-SITE-WATER-MUNICIPAL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.0  | 28.4  |
| 265     | 22.8  | 17.7  | 26.5  |

