

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090119\  
 Data File : BM022490.D  
 Acq On : 01 Sep 2019 23:07  
 Operator : HP/JU  
 Sample : K4563-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CIW-6S-(0-4)

Quant Time: Sep 02 04:52:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 02 03:54:42 2019  
 Response via : Initial Calibration

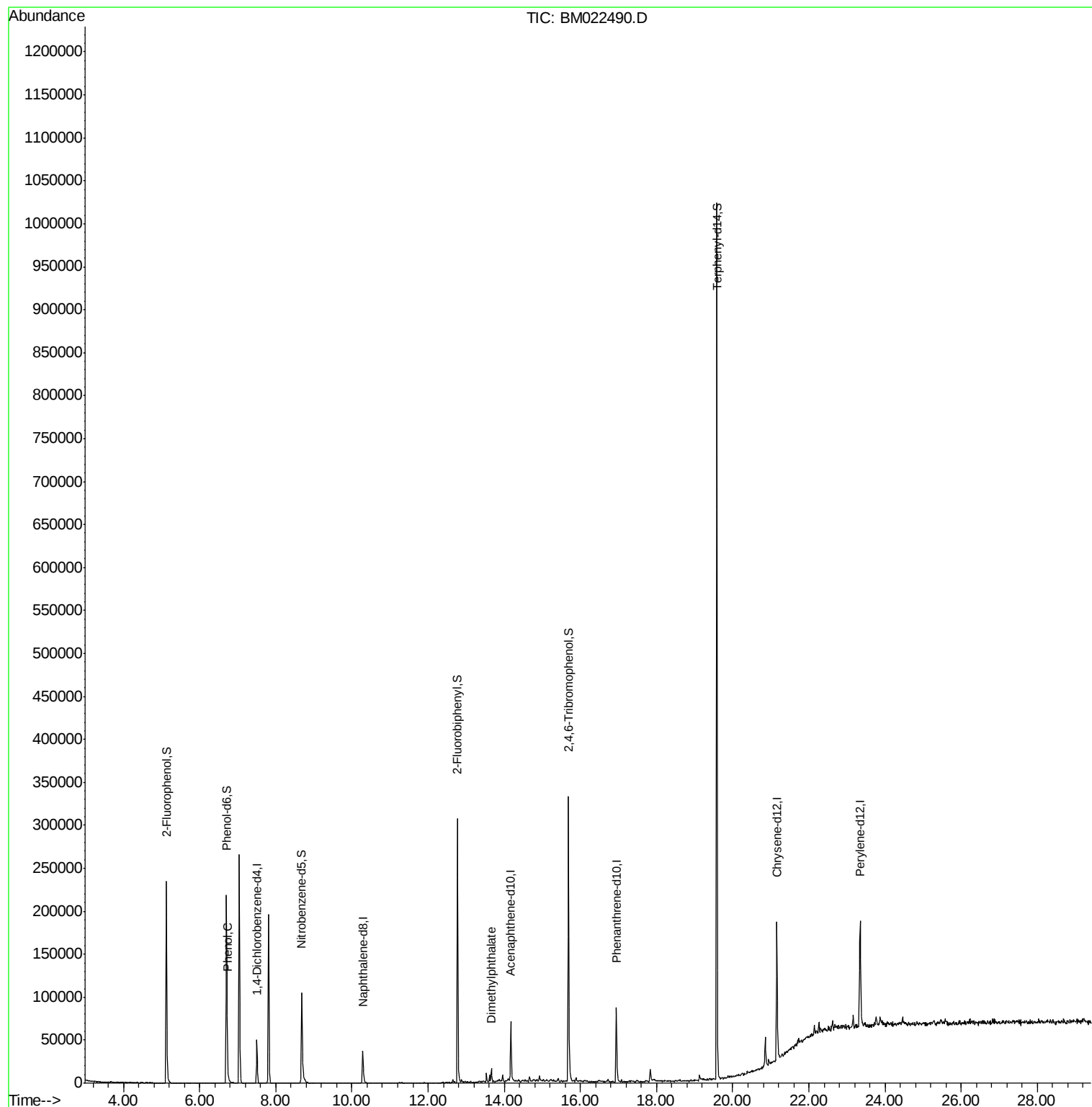
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 10517    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.29 | 136  | 36874    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.17 | 164  | 24771    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.94 | 188  | 57250    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.16 | 240  | 88803    | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.34 | 264  | 107265   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.13  | 112  | 80032    | 133.58 | ng    | 0.00     |
| 7) Phenol-d6                | 6.70  | 99   | 100116   | 124.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 70928    | 84.25  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.69 | 330  | 53135    | 104.83 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.77 | 172  | 146461   | 66.98  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.58 | 244  | 406976   | 60.48  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.73  | 94   | 2381     | 2.958  | ng    | # 15     |
| 50) Dimethylphthalate       | 13.66 | 163  | 9613     | 4.462  | ng    | # 95     |

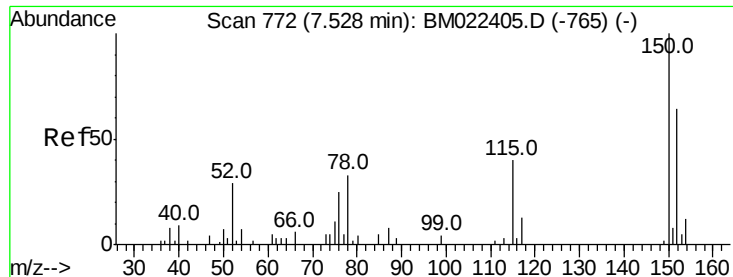
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090119\  
Data File : BM022490.D  
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Sample : K4563-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CIW-6S-(0-4)

Quant Time: Sep 02 04:52:29 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 02 03:54:42 2019  
Response via : Initial Calibration



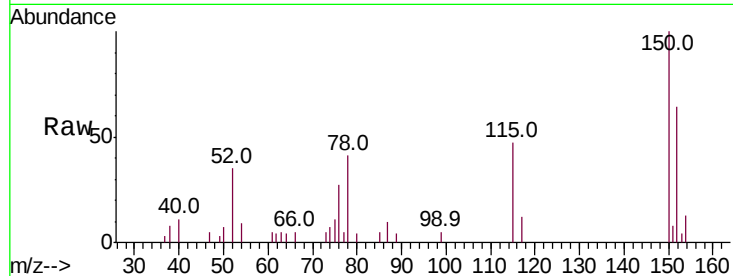


#1

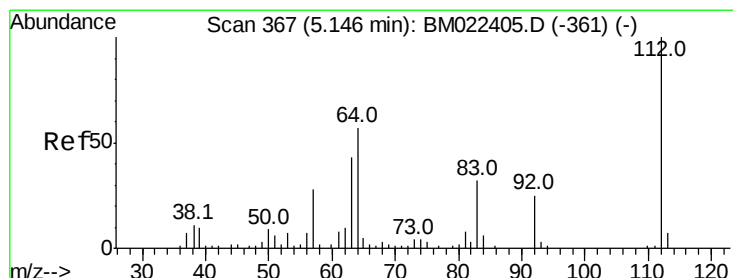
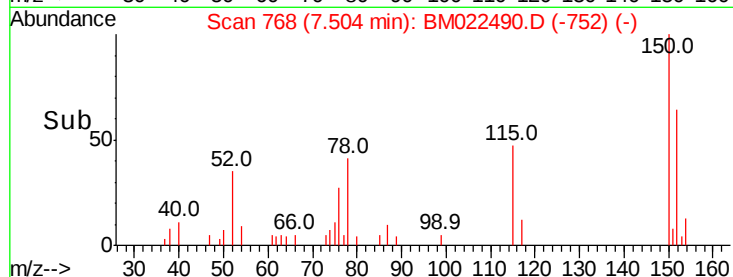
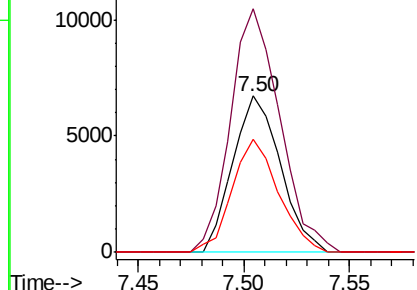
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.50 min Scan# 768  
 Delta R.T. -0.01 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CIW-6S-(0-4)

Tot Ion:152 Resp: 10517  
 Ion Ratio Lower Upper  
 152 100  
 150 155.8 125.4 188.0  
 115 72.7 50.3 75.5



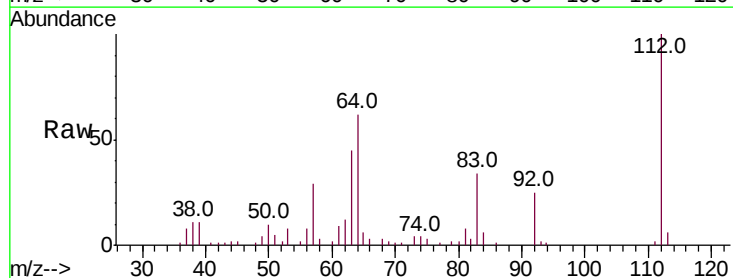
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



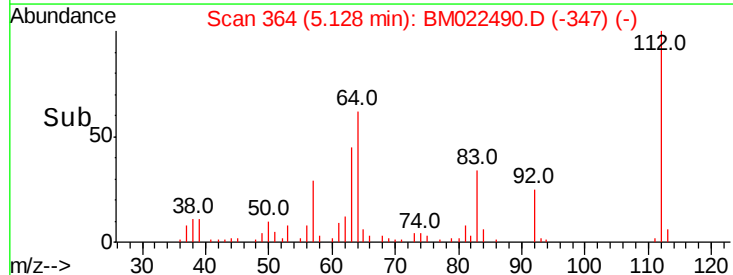
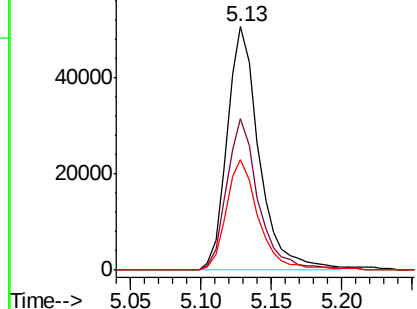
#5

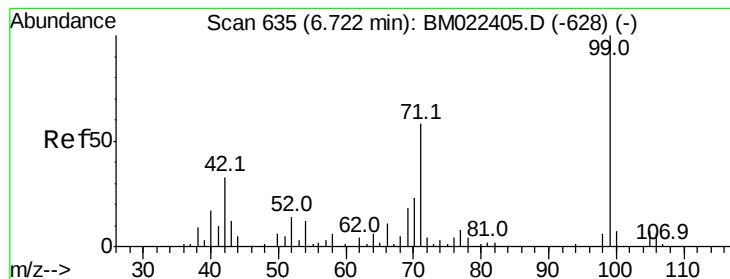
2-Fluorophenol  
 Concen: 133.577 ng  
 RT: 5.13 min Scan# 364  
 Delta R.T. -0.00 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

Tgt Ion:112 Resp: 80032  
 Ion Ratio Lower Upper  
 112 100  
 64 62.1 45.4 68.2  
 63 45.3 34.5 51.7



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: 124.955 ng

RT: 6.70 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM022490.D

Acq: 01 Sep 2019 23:07

Instrument :

BNA\_M

ClientSampleId :

CIW-6S-(0-4)

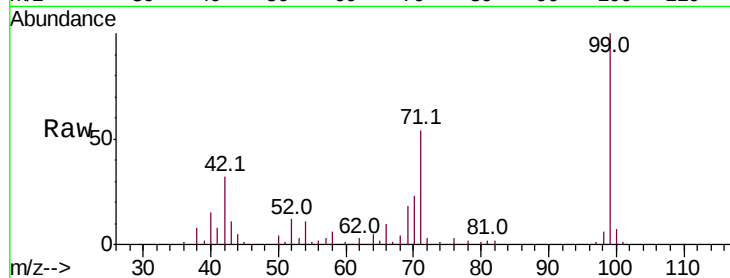
Tot Ion: 99 Resp: 100116

Ion Ratio Lower Upper

99 100

42 32.0 26.3 39.5

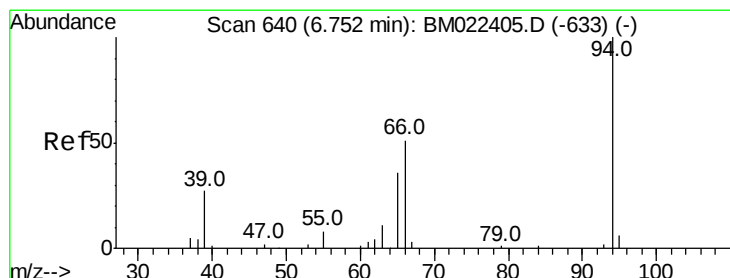
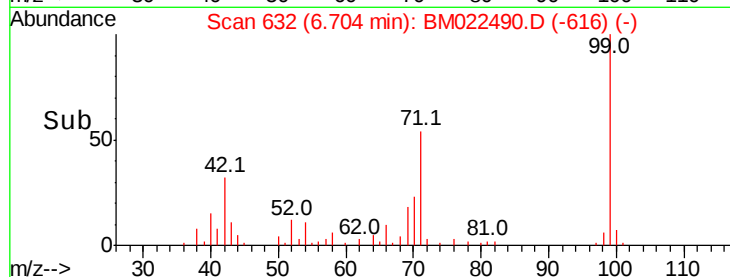
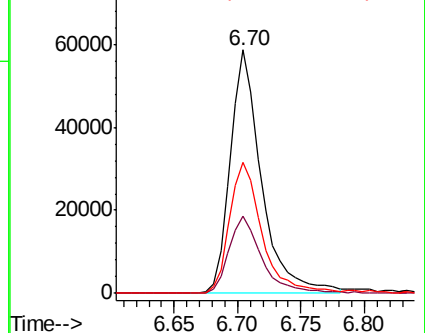
71 53.5 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)



#10

Phenol

Concen: 2.958 ng

RT: 6.73 min Scan# 636

Delta R.T. -0.01 min

Lab File: BM022490.D

Acq: 01 Sep 2019 23:07

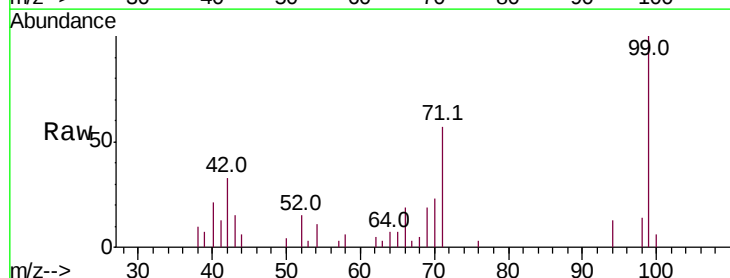
Tgt Ion: 94 Resp: 2381

Ion Ratio Lower Upper

94 100

65 56.3 17.7 57.7

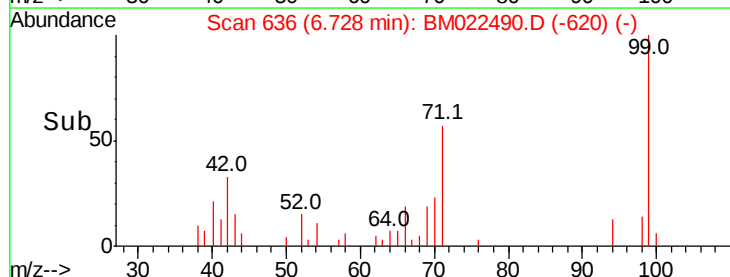
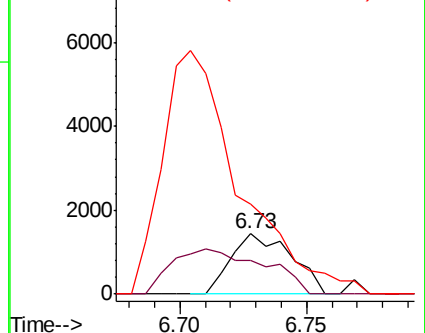
66 149.5 39.6 79.6#

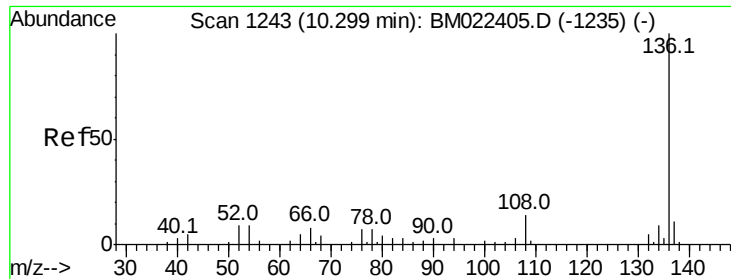


Abundance Ion 94.00 (93.70 to 94.70): BM022405.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM022405.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM022405.D (-633) (-)

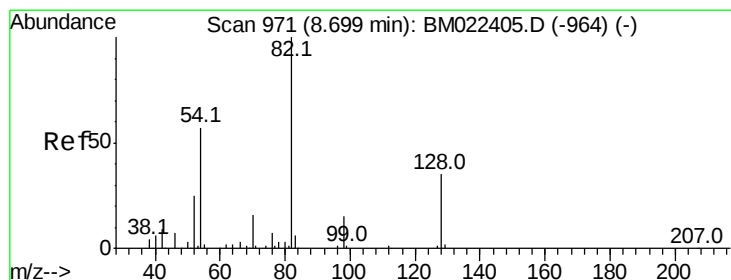
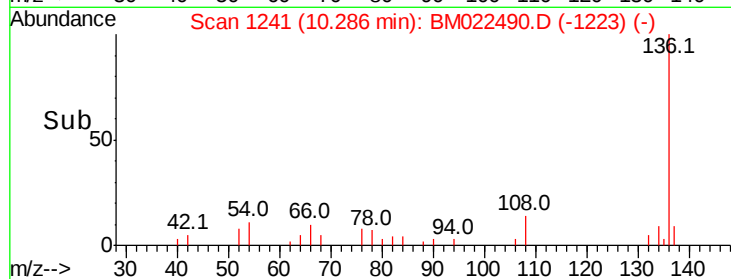
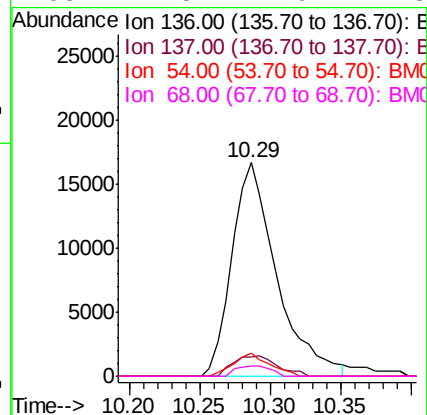
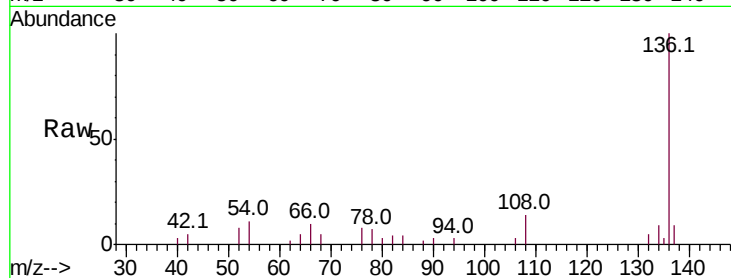




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.29 min Scan# 1241  
Delta R.T. 0.01 min  
Lab File: BM022490.D  
Acq: 01 Sep 2019 23:07

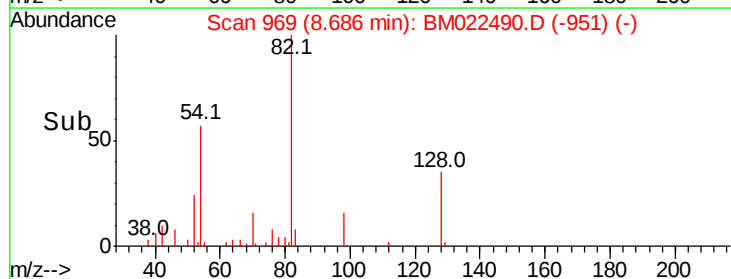
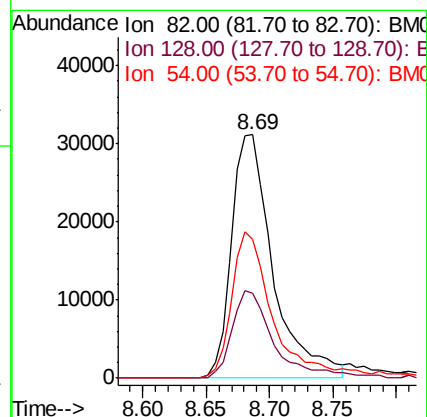
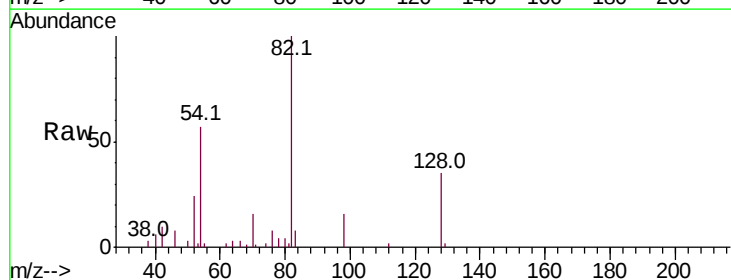
Instrument :  
BNA\_M  
ClientSampleId :  
CIW-6S-(0-4)

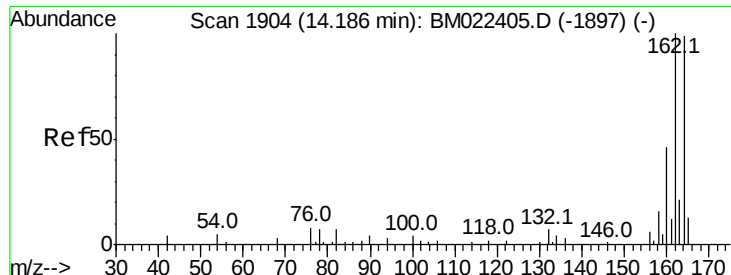
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 136   | Resp: | 36874 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 8.8   | 8.6   | 13.0  |
| 54       | 10.5  | 7.0   | 10.6  |
| 68       | 4.8   | 2.9   | 4.3#  |



#23  
Nitrobenzene-d5  
Concen: 84.251 ng  
RT: 8.69 min Scan# 969  
Delta R.T. 0.01 min  
Lab File: BM022490.D  
Acq: 01 Sep 2019 23:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 70928 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 34.8  | 27.9  | 41.9  |
| 54       | 56.9  | 45.2  | 67.8  |

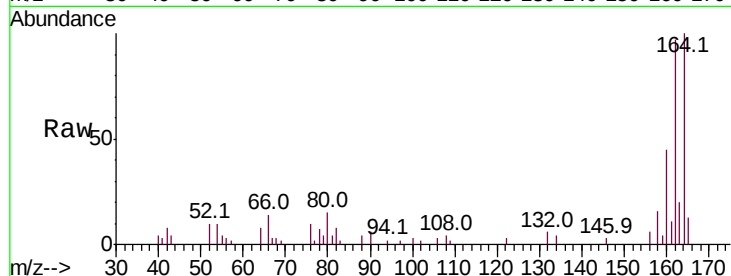




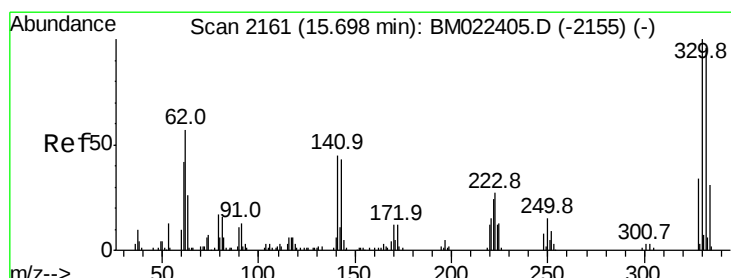
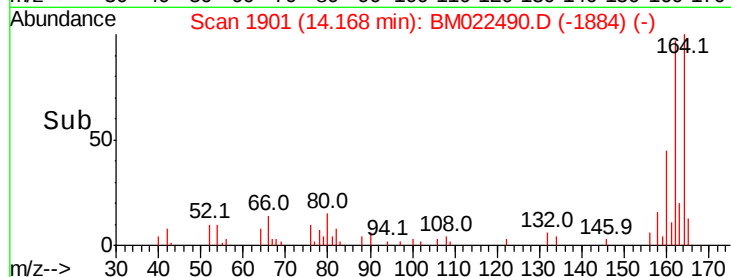
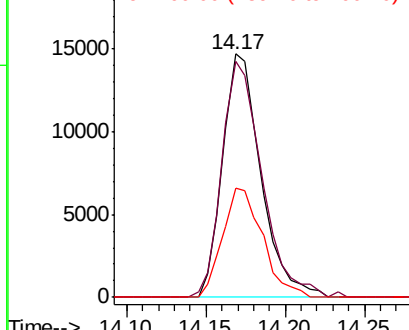
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.17 min Scan# 1901  
 Delta R.T. -0.00 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CIW-6S-(0-4)

Tot Ion:164 Resp: 24771  
 Ion Ratio Lower Upper  
 164 100  
 162 97.0 80.6 121.0  
 160 44.8 37.3 55.9

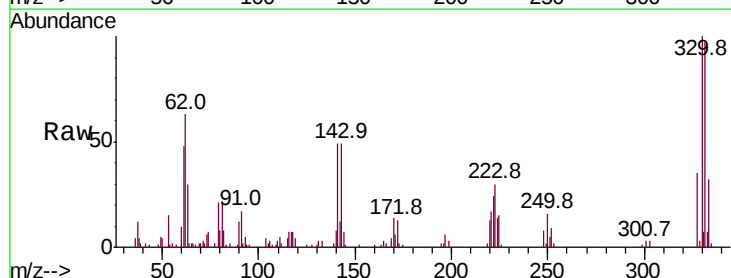


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

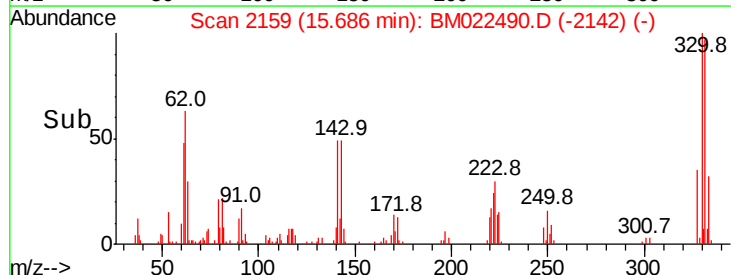
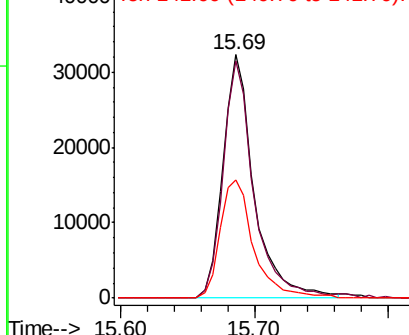


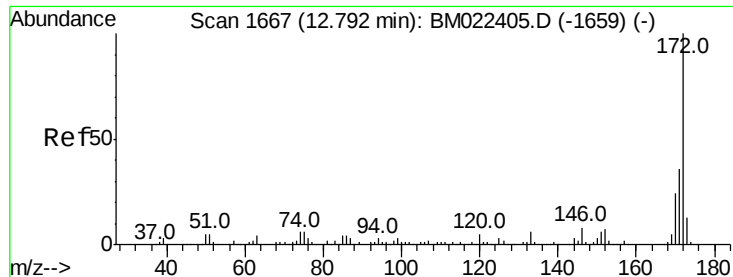
#42  
 2,4,6-Tribromophenol  
 Concen: 104.827 ng  
 RT: 15.69 min Scan# 2159  
 Delta R.T. -0.00 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

Tgt Ion:330 Resp: 53135  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 77.8 116.8  
 141 52.3 35.6 53.4



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

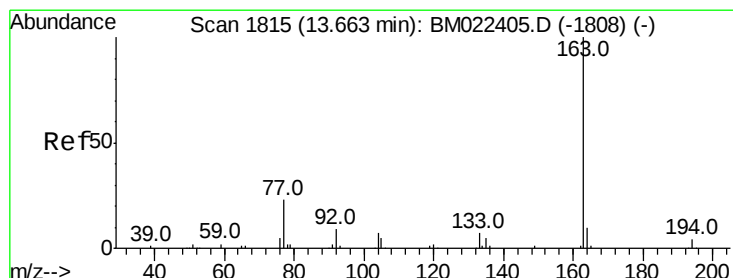
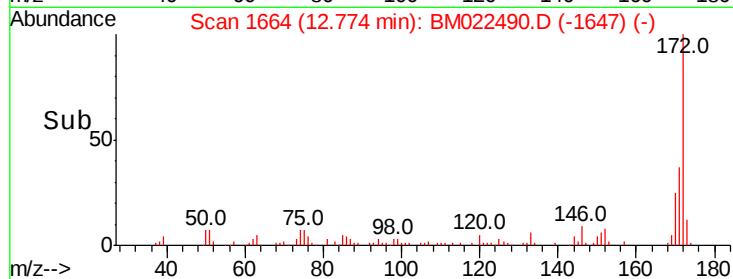
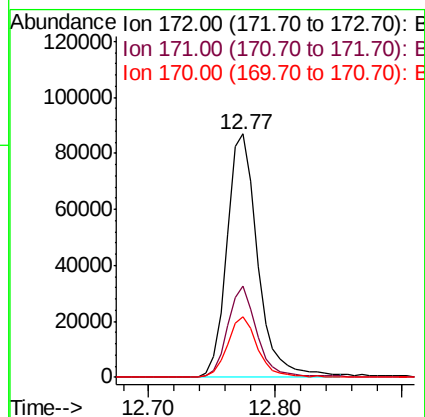
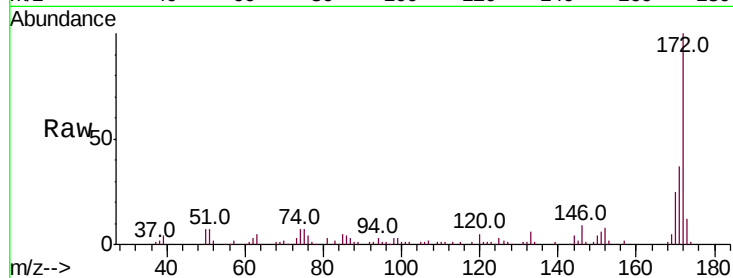




#45  
 2-Fluorobiphenyl  
 Concen: 66.981 ng  
 RT: 12.77 min Scan# 1664  
 Delta R.T. -0.00 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

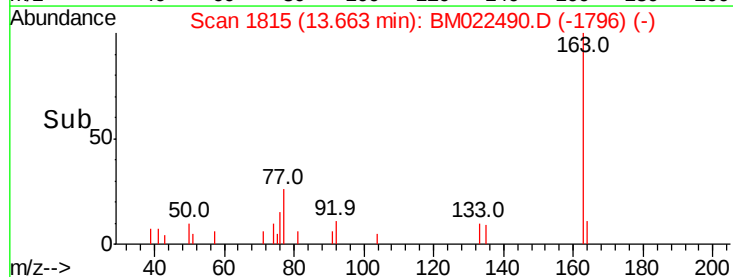
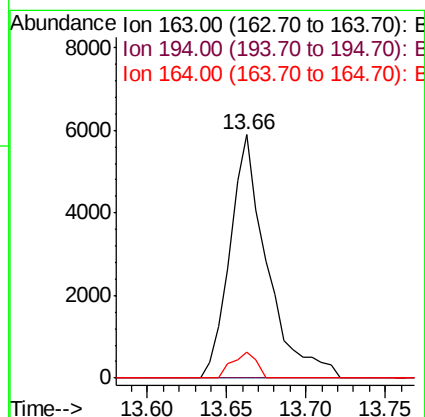
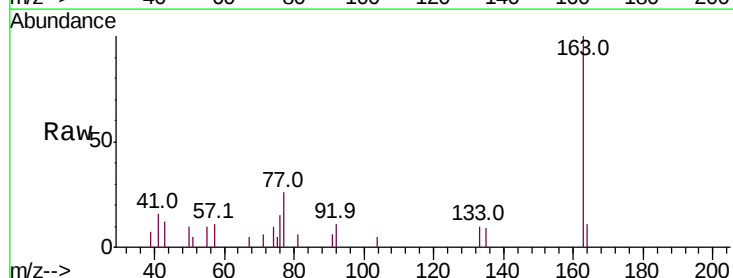
Instrument :  
 BNA\_M  
 ClientSampleId :  
 CIW-6S-(0-4)

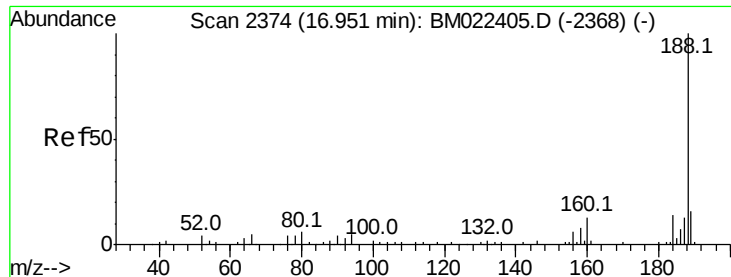
Tot Ion:172 Resp: 146461  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 28.5 42.7  
 170 25.1 18.9 28.3



#50  
 Dimethylphthalate  
 Concen: 4.462 ng  
 RT: 13.66 min Scan# 1815  
 Delta R.T. 0.01 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

Tgt Ion:163 Resp: 9613  
 Ion Ratio Lower Upper  
 163 100  
 194 0.0 3.4 5.2#  
 164 10.9 8.2 12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.94 min Scan# 2373

Delta R.T. 0.01 min

Lab File: BM022490.D

Acq: 01 Sep 2019 23:07

Instrument :

BNA\_M

ClientSampleId :

CIW-6S-(0-4)

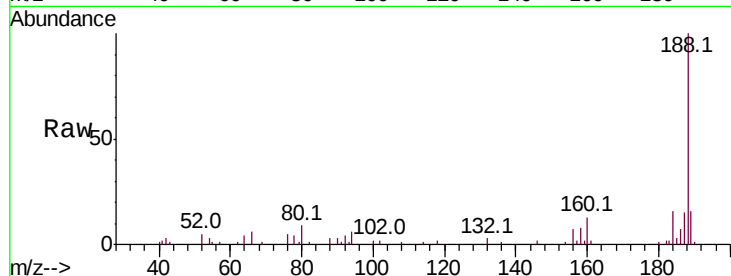
Tot Ion:188 Resp: 57250

Ion Ratio Lower Upper

188 100

94 5.6 4.4 6.6

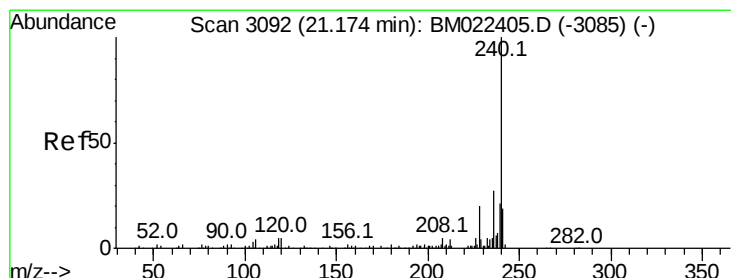
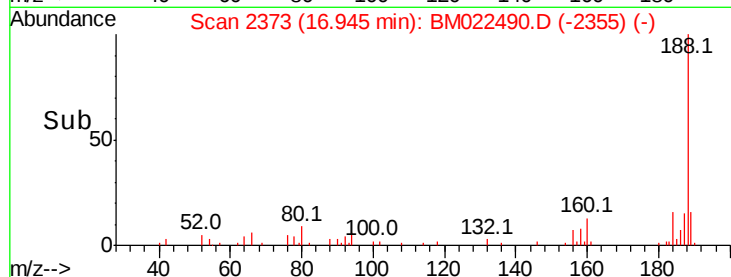
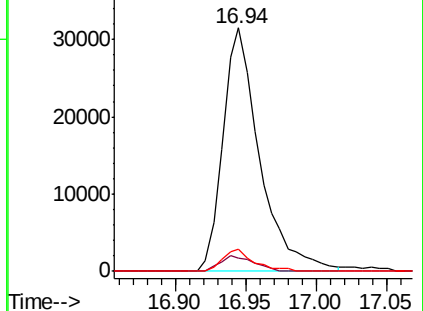
80 8.9 5.0 7.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.16 min Scan# 3090

Delta R.T. 0.01 min

Lab File: BM022490.D

Acq: 01 Sep 2019 23:07

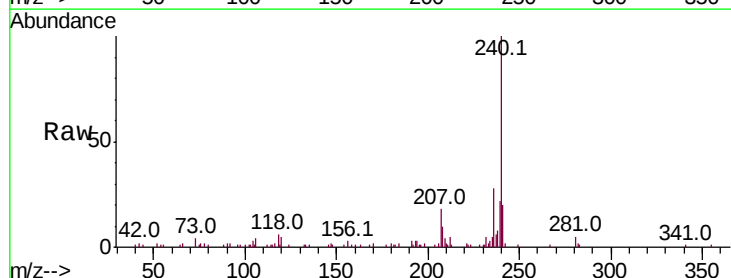
Tgt Ion:240 Resp: 88803

Ion Ratio Lower Upper

240 100

120 5.4 3.9 5.9

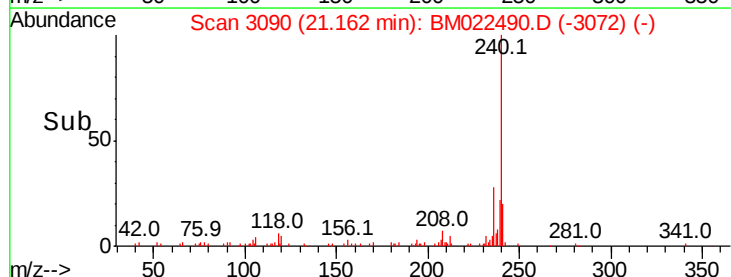
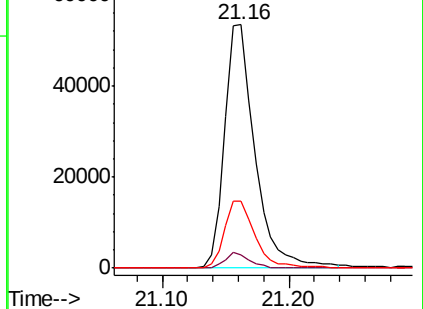
236 27.5 21.4 32.2

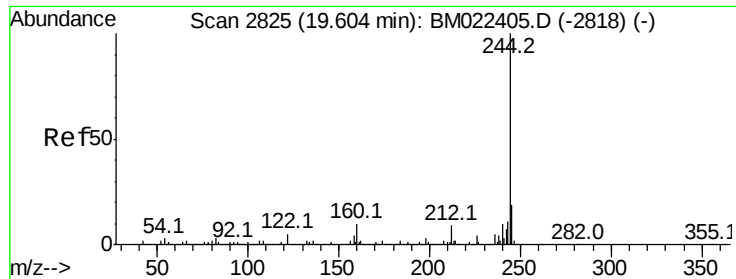


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

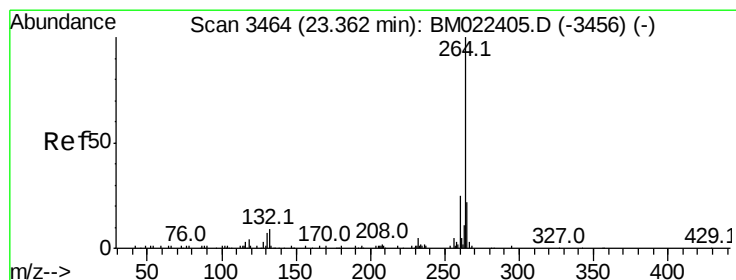
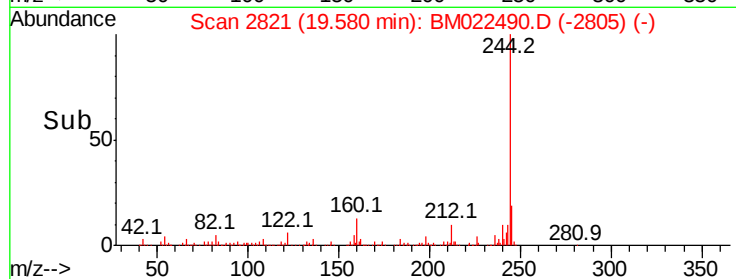
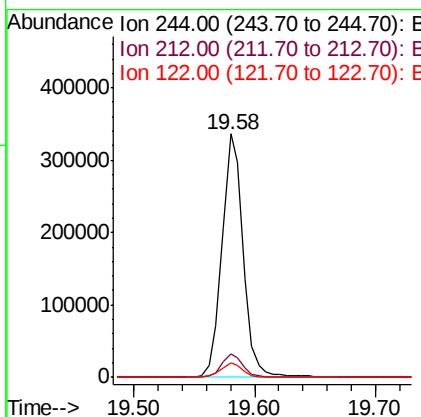
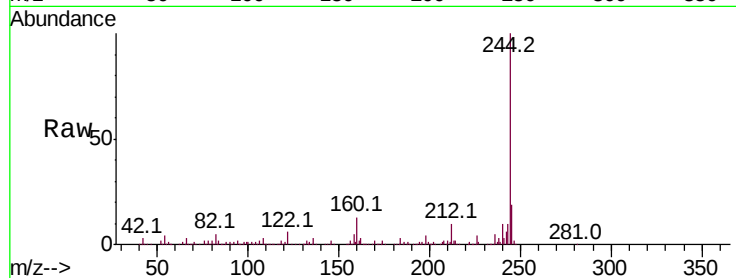




#79  
 Terphenyl-d14  
 Concen: 60.483 ng  
 RT: 19.58 min Scan# 2821  
 Delta R.T. -0.01 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CIW-6S-(0-4)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.9   | 7.0   | 10.4  |
| 122     | 5.8   | 3.9   | 5.9   |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.34 min Scan# 3460  
 Delta R.T. -0.01 min  
 Lab File: BM022490.D  
 Acq: 01 Sep 2019 23:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.9  | 20.2  | 30.2  |
| 265     | 22.9  | 18.2  | 27.2  |

