

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090319\  
 Data File : BM022508.D  
 Acq On : 03 Sep 2019 18:20  
 Operator : HP/JU  
 Sample : K4555-14  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 04 02:02:58 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

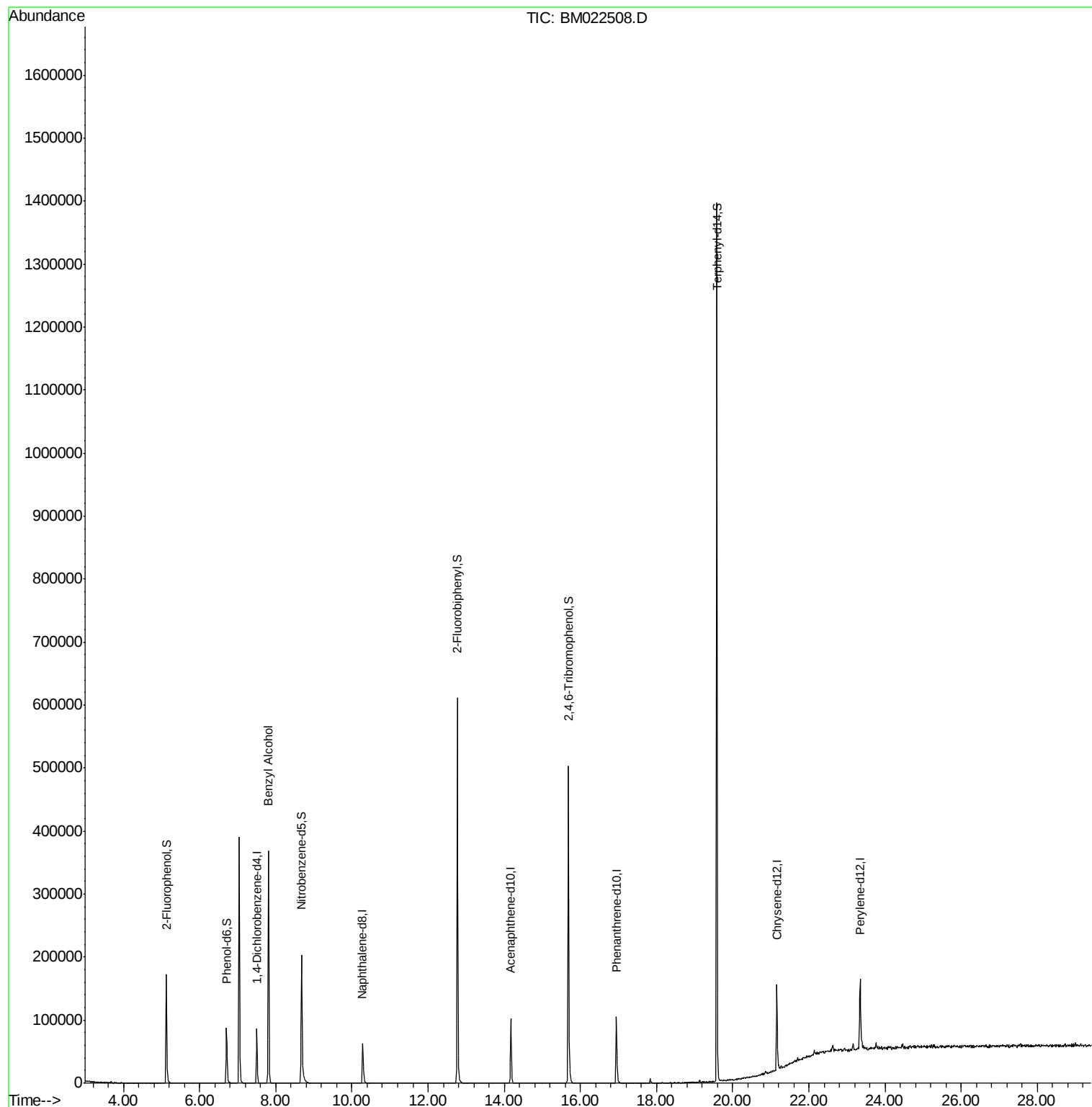
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 17422    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.28 | 136  | 60620    | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 14.17 | 164  | 36868    | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 16.94 | 188  | 73616    | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 21.16 | 240  | 77784    | 20.00  | ng    | 0.00           |
| 87) Perylene-d12            | 23.34 | 264  | 93500    | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.13  | 112  | 60680    | 61.14  | ng    | 0.00           |
| 7) Phenol-d6                | 6.70  | 99   | 45671    | 34.41  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 8.68  | 82   | 128198   | 92.63  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 15.69 | 330  | 81665    | 108.25 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 12.77 | 172  | 281883   | 86.61  | ng    | 0.00           |
| 79) Terphenyl-d14           | 19.58 | 244  | 539350   | 91.51  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 15) Benzyl Alcohol          | 7.81  | 79   | 2864     | 2.274  | ng    | Qvalue<br># 18 |

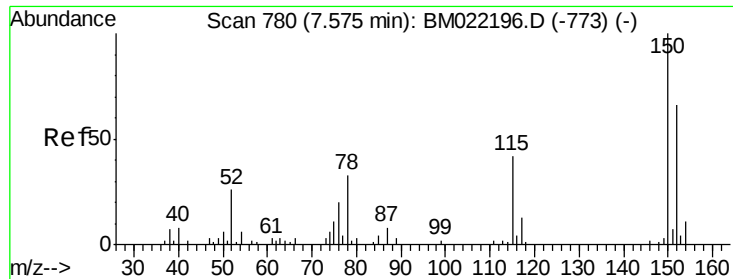
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 02 03:54:42 2019  
Response via : Initial Calibration



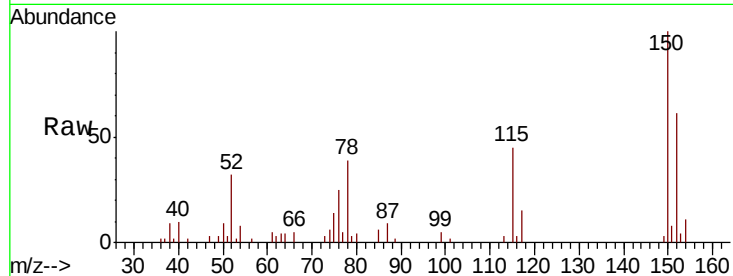


#1

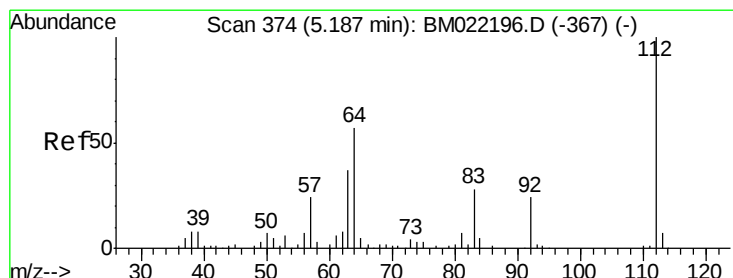
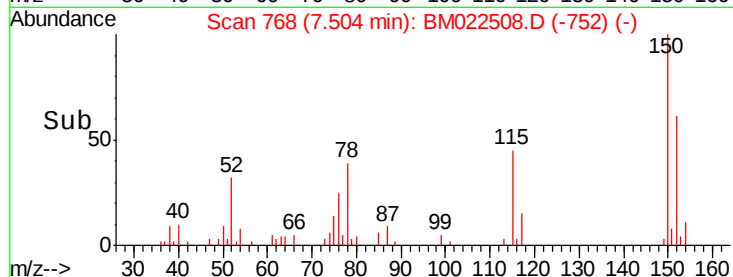
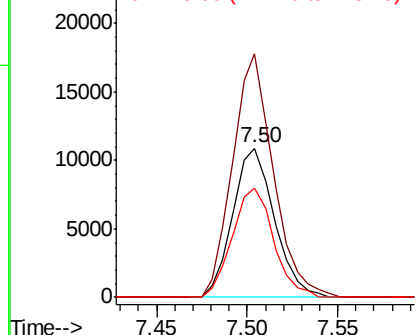
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: BM022508.D  
Acq: 03 Sep 2019 18:20

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:152 Resp: 17422  
Ion Ratio Lower Upper  
152 100  
150 163.2 125.4 188.0  
115 73.5 50.3 75.5



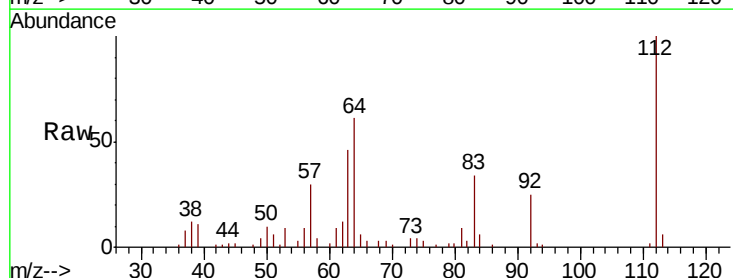
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



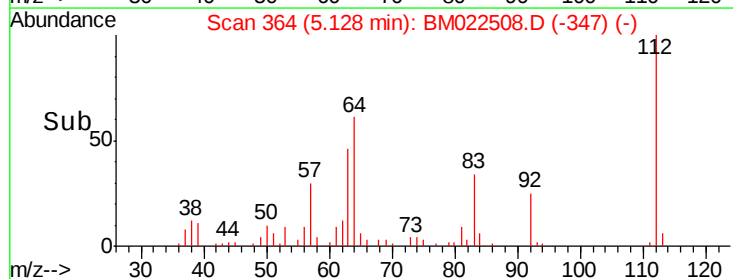
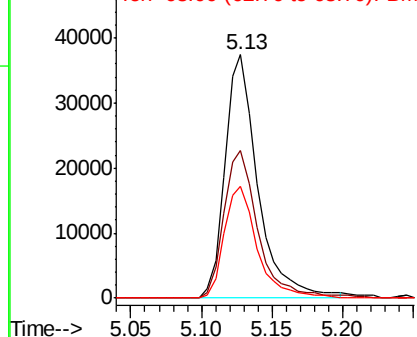
#5

2-Fluorophenol  
Concen: 61.137 ng  
RT: 5.13 min Scan# 364  
Delta R.T. -0.00 min  
Lab File: BM022508.D  
Acq: 03 Sep 2019 18:20

Tgt Ion:112 Resp: 60680  
Ion Ratio Lower Upper  
112 100  
64 60.6 45.4 68.2  
63 45.7 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: 34.410 ng

RT: 6.70 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM022508.D

Acq: 03 Sep 2019 18:20

Instrument :

BNA\_M

ClientSampleId :

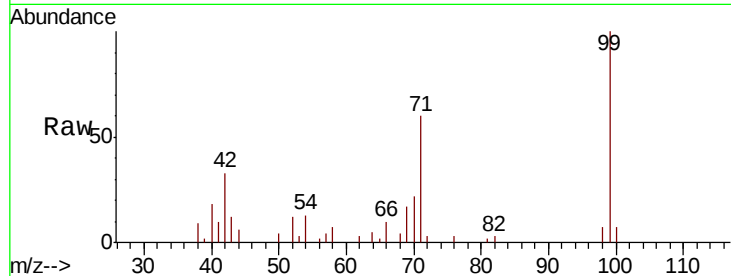
Tot Ion: 99 Resp: 45671

Ion Ratio Lower Upper

99 100

42 32.6 26.3 39.5

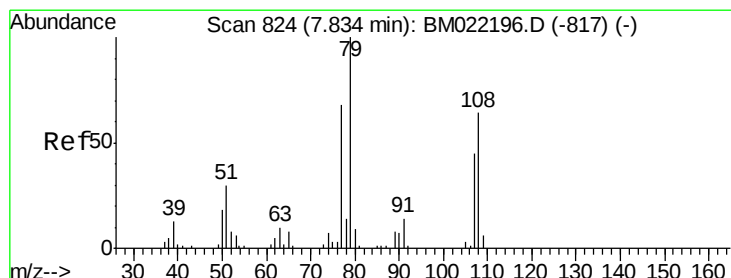
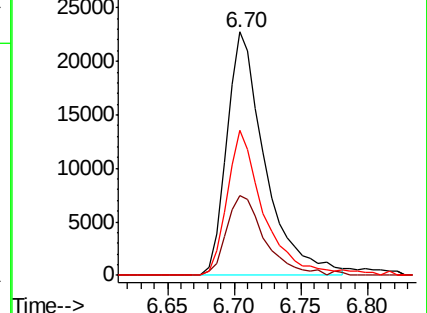
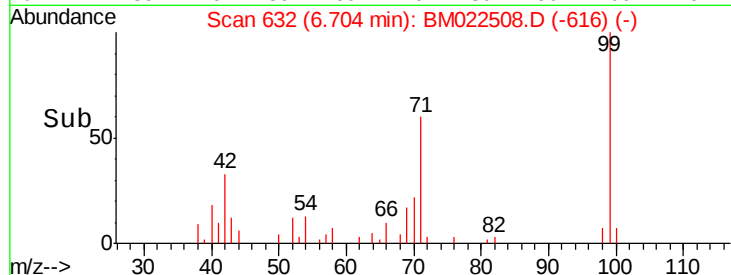
71 59.7 46.6 69.8



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) (-)



#15

Benzyl Alcohol

Concen: 2.274 ng

RT: 7.81 min Scan# 820

Delta R.T. 0.03 min

Lab File: BM022508.D

Acq: 03 Sep 2019 18:20

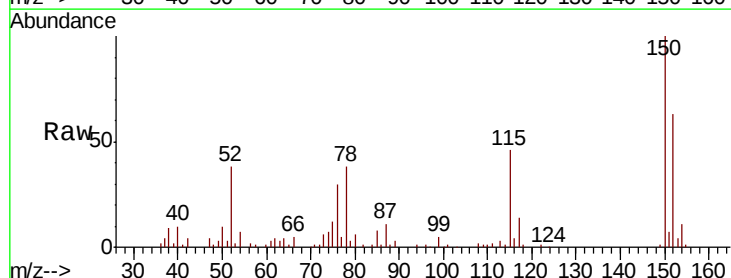
Tgt Ion: 79 Resp: 2864

Ion Ratio Lower Upper

79 100

108 82.1 48.2 72.4#

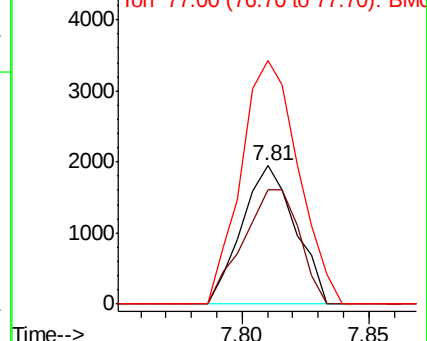
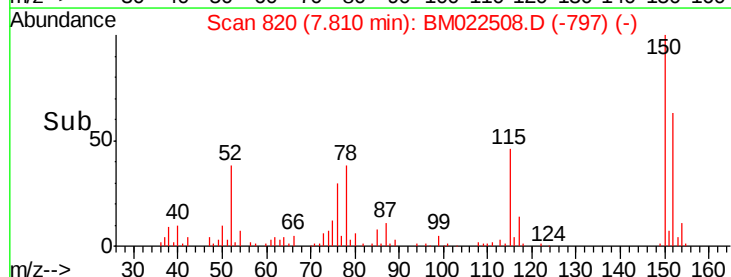
77 175.9 56.6 85.0#

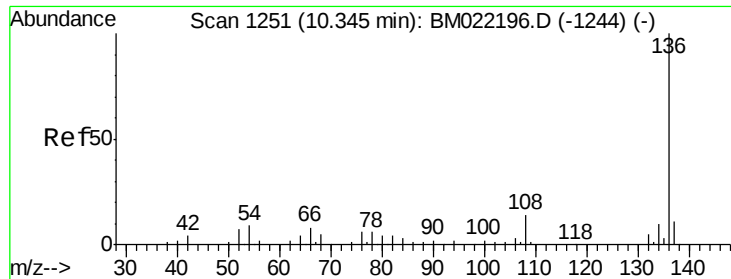


Abundance Ion 79.00 (78.70 to 79.70): BM022196.D (-817) (-)

Ion 108.00 (107.70 to 108.70): BM022196.D (-817) (-)

Ion 77.00 (76.70 to 77.70): BM022196.D (-817) (-)

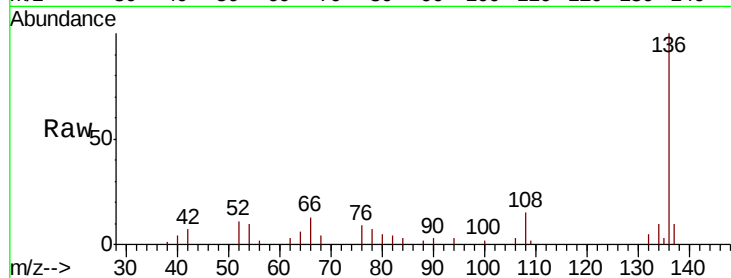




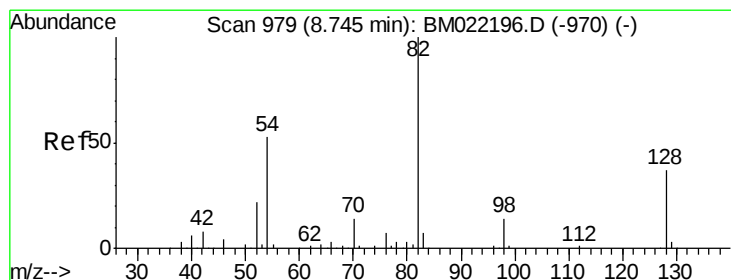
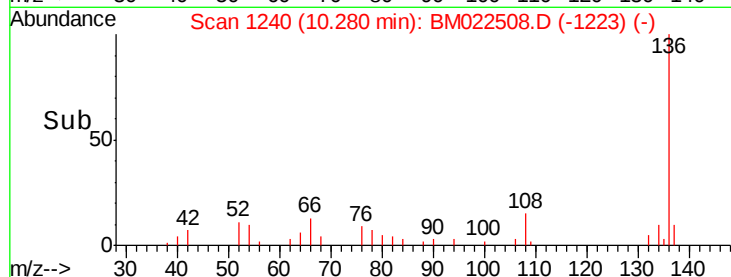
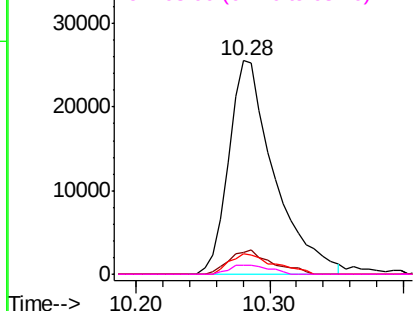
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.28 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: BM022508.D  
Acq: 03 Sep 2019 18:20

Instrument :  
BNA\_M  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 60620       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.0  | 8.6 13.0    |
| 54          | 9.9   | 7.0 10.6    |
| 68          | 4.2   | 2.9 4.3     |

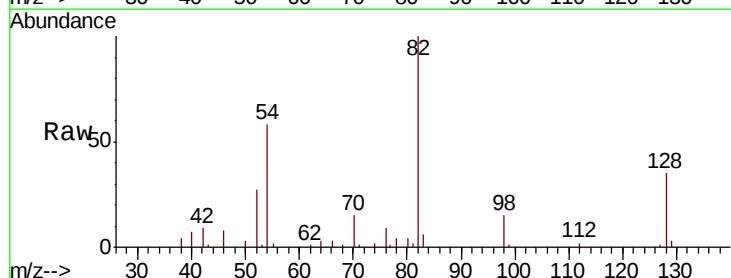


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

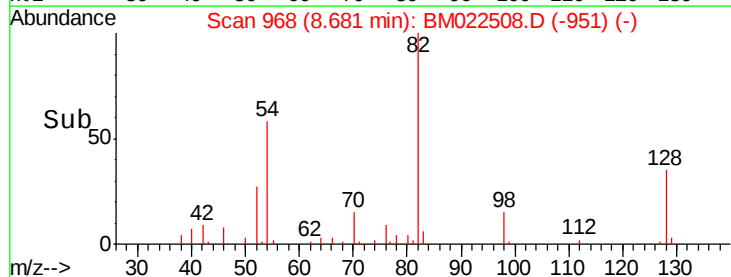
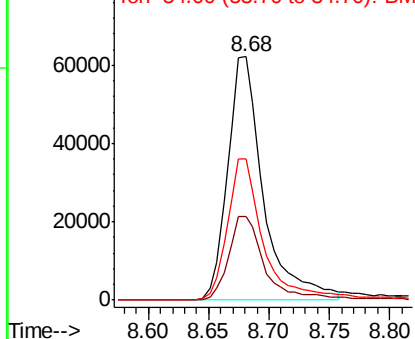


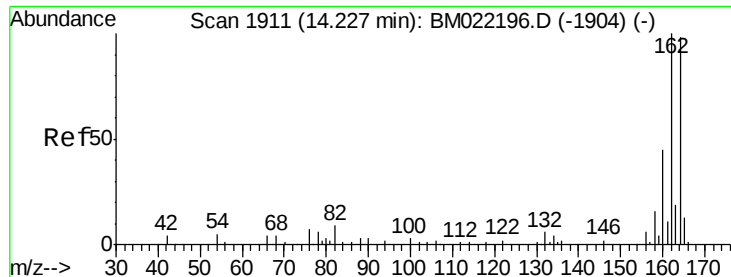
#23  
Nitrobenzene-d5  
Concen: 92.628 ng  
RT: 8.68 min Scan# 968  
Delta R.T. -0.00 min  
Lab File: BM022508.D  
Acq: 03 Sep 2019 18:20

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 128198      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 34.6  | 27.9 41.9   |
| 54          | 58.0  | 45.2 67.8   |



Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.17 min Scan# 1901

Delta R.T. -0.00 min

Lab File: BM022508.D

Acq: 03 Sep 2019 18:20

Instrument :

BNA\_M

ClientSampleId :

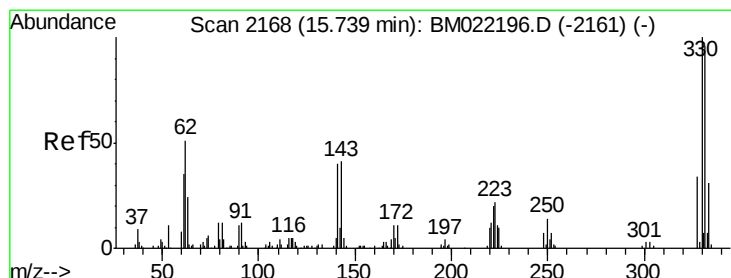
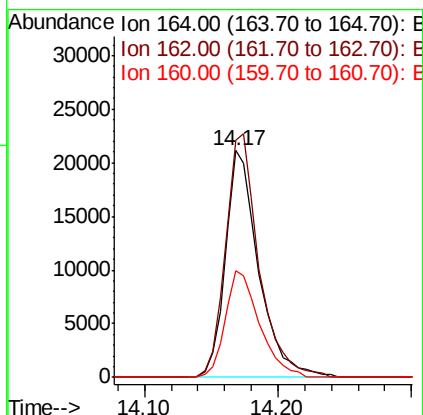
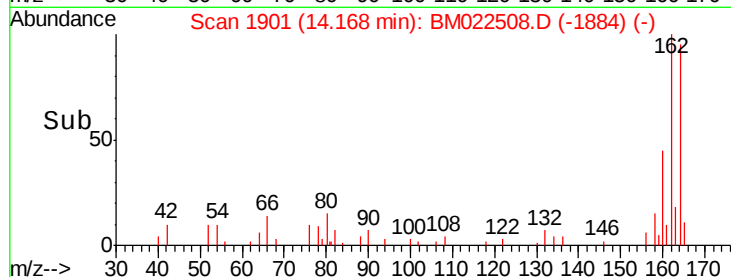
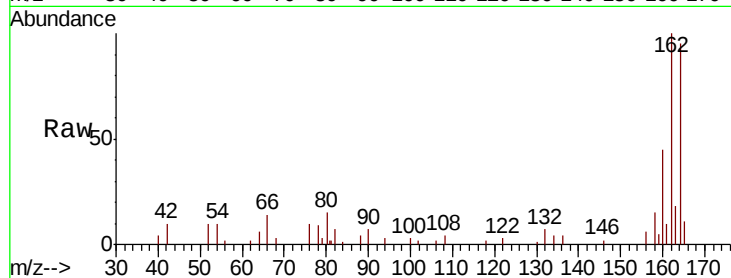
Tot Ion:164 Resp: 36868

Ion Ratio Lower Upper

164 100

162 104.8 80.6 121.0

160 47.1 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 108.249 ng

RT: 15.69 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BM022508.D

Acq: 03 Sep 2019 18:20

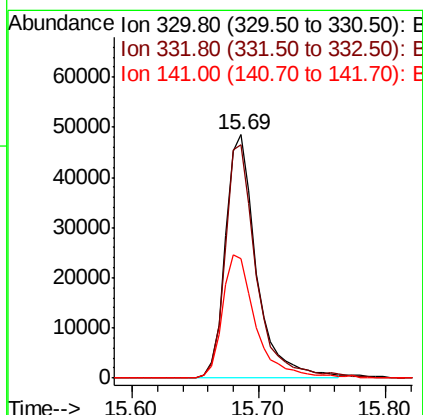
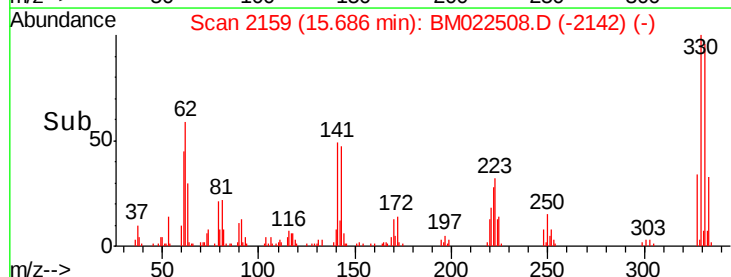
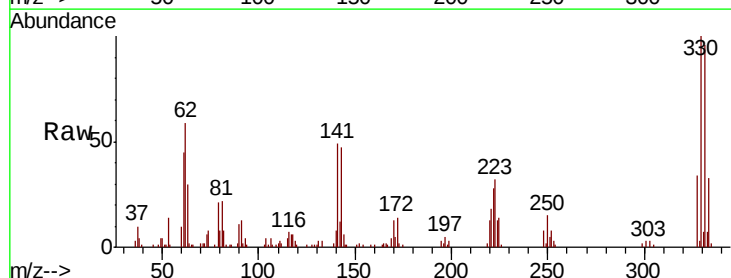
Tgt Ion:330 Resp: 81665

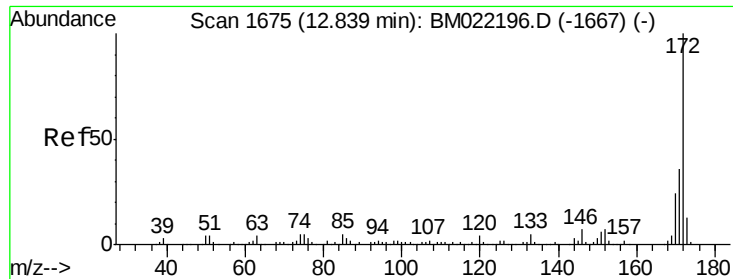
Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.8

141 54.6 35.6 53.4#

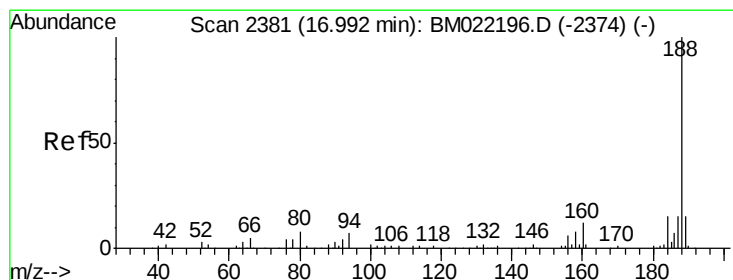
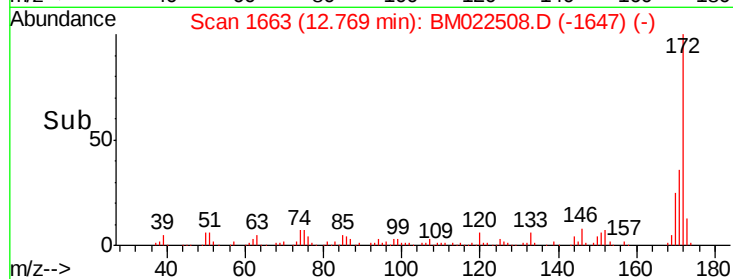
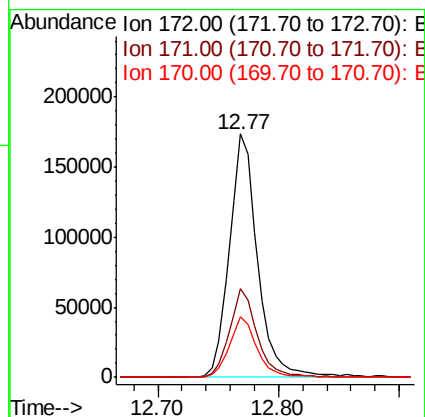
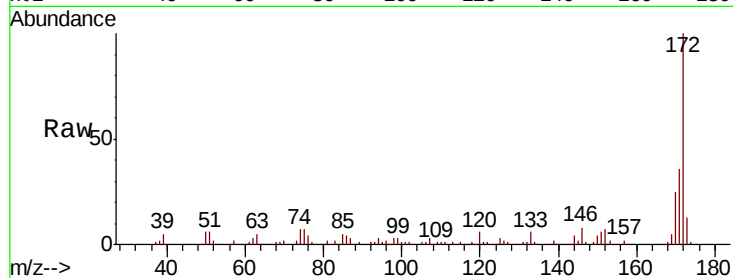




#45  
 2-Fluorobiphenyl  
 Concen: 86.615 ng  
 RT: 12.77 min Scan# 1663  
 Delta R.T. -0.01 min  
 Lab File: BM022508.D  
 Acq: 03 Sep 2019 18:20

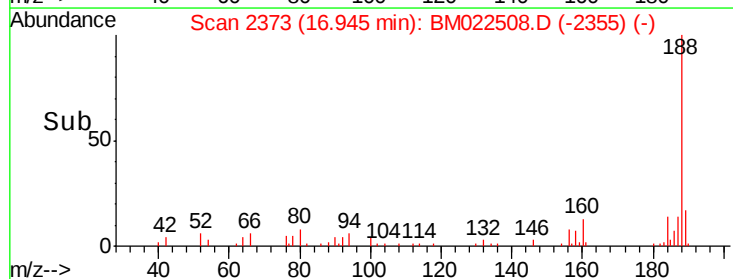
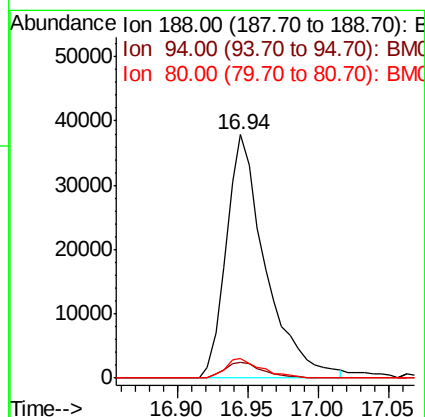
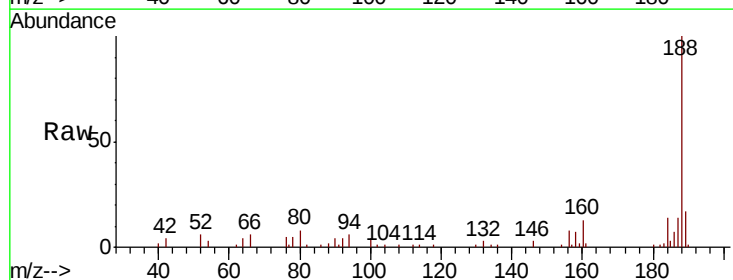
Instrument :  
 BNA\_M  
 ClientSampleId :

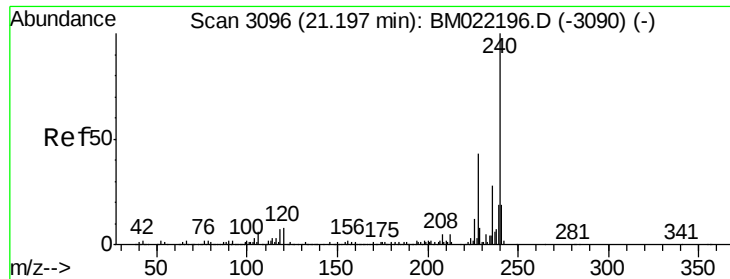
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.5  | 42.7  |
| 170     | 24.7  | 18.9  | 28.3  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.94 min Scan# 2373  
 Delta R.T. 0.01 min  
 Lab File: BM022508.D  
 Acq: 03 Sep 2019 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.3   | 4.4   | 6.6   |
| 80      | 8.1   | 5.0   | 7.6   |

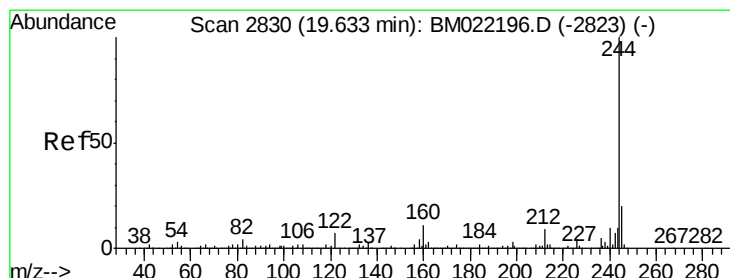
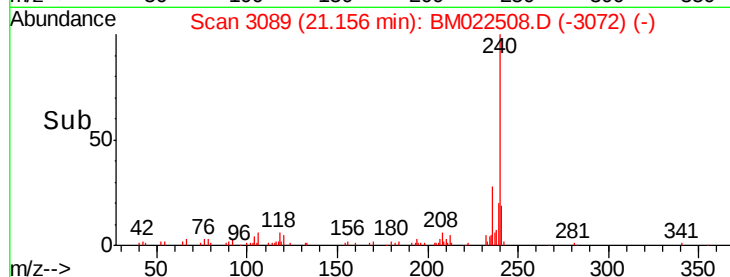
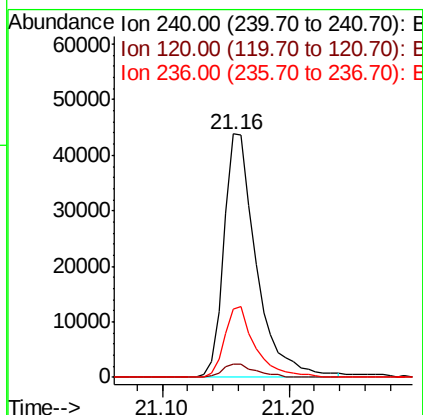
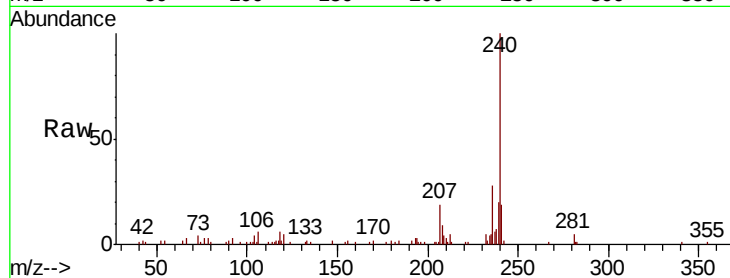




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.16 min Scan# 3089  
 Delta R.T. -0.00 min  
 Lab File: BM022508.D  
 Acq: 03 Sep 2019 18:20

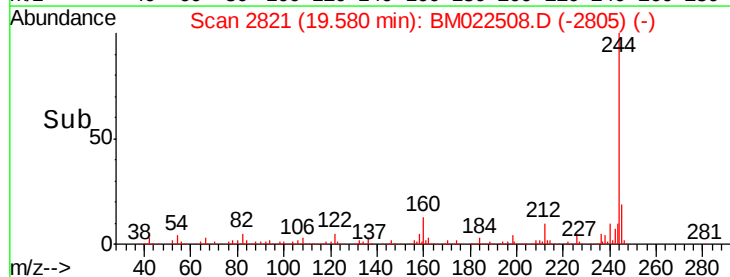
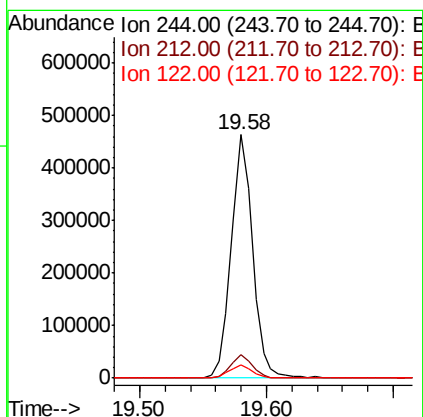
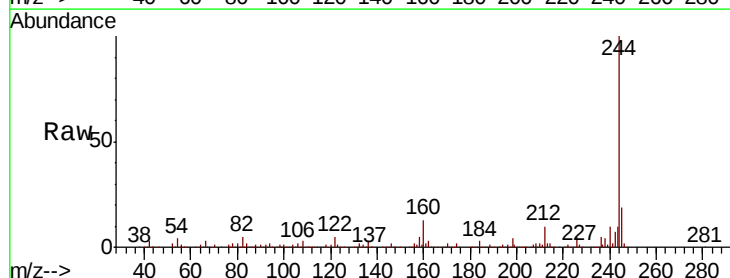
Instrument :  
 BNA\_M  
 ClientSampleId :

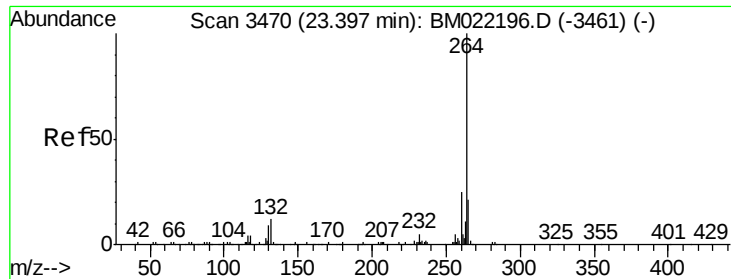
Tot Ion:240 Resp: 77784  
 Ion Ratio Lower Upper  
 240 100  
 120 5.2 3.9 5.9  
 236 28.2 21.4 32.2



#79  
 Terphenyl-d14  
 Concen: 91.511 ng  
 RT: 19.58 min Scan# 2821  
 Delta R.T. -0.01 min  
 Lab File: BM022508.D  
 Acq: 03 Sep 2019 18:20

Tgt Ion:244 Resp: 539350  
 Ion Ratio Lower Upper  
 244 100  
 212 9.8 7.0 10.4  
 122 5.2 3.9 5.9





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.34 min Scan# 3461  
Delta R.T. -0.00 min  
Lab File: BM022508.D  
Acq: 03 Sep 2019 18:20

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.9  | 20.2  | 30.2  |
| 265     | 22.8  | 18.2  | 27.2  |

