

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090319\  
 Data File : BM022511.D  
 Acq On : 03 Sep 2019 20:10  
 Operator : HP/JU  
 Sample : K4555-12  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 04 02:03:30 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

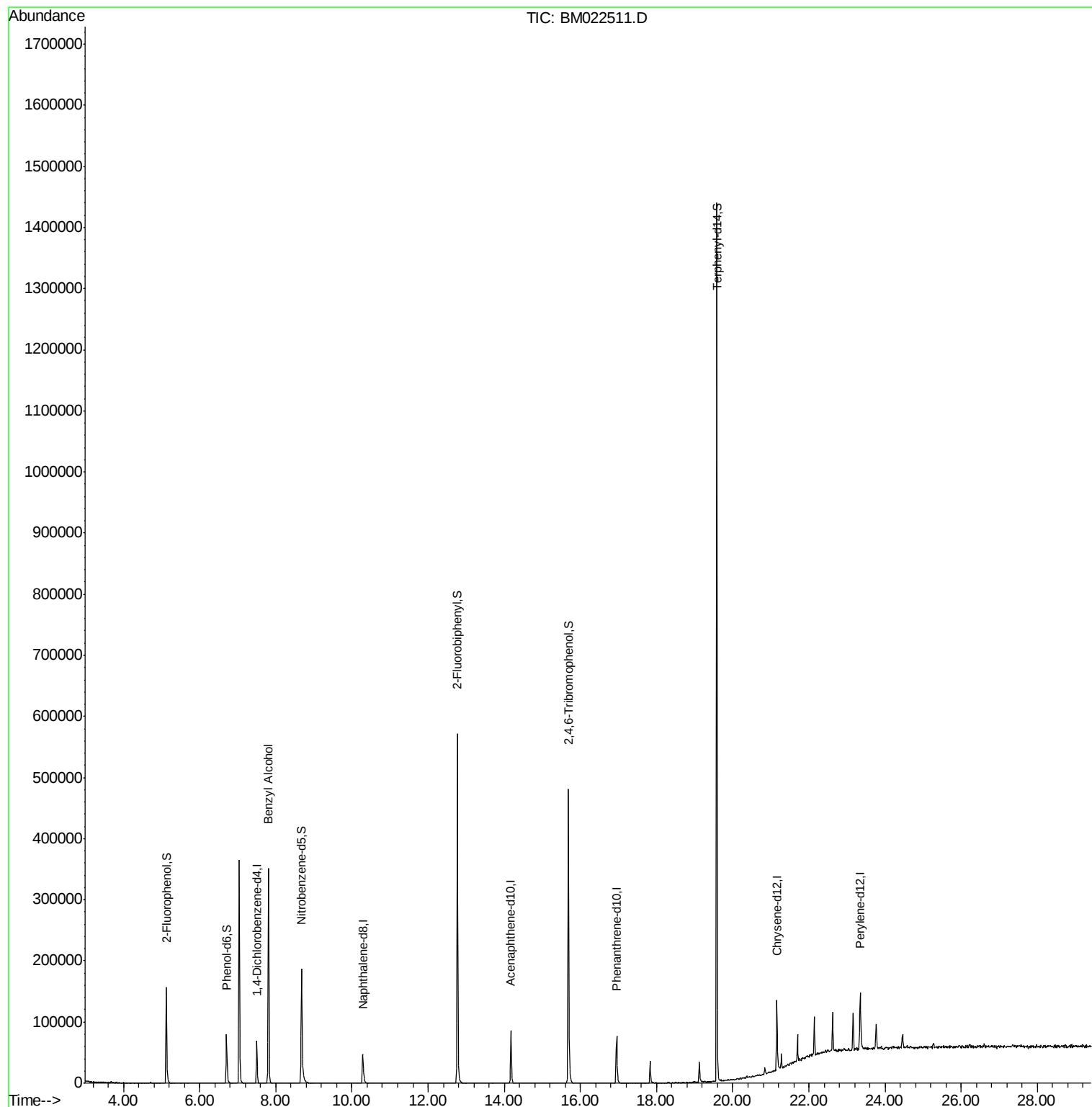
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 14701    | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 10.29 | 136  | 49335    | 20.00  | ng    | 0.00          |
| 39) Acenaphthene-d10        | 14.17 | 164  | 31026    | 20.00  | ng    | 0.00          |
| 64) Phenanthrene-d10        | 16.94 | 188  | 60373    | 20.00  | ng    | 0.00          |
| 76) Chrysene-d12            | 21.16 | 240  | 63610    | 20.00  | ng    | 0.00          |
| 87) Perylene-d12            | 23.34 | 264  | 78391    | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.13  | 112  | 55051    | 65.73  | ng    | 0.00          |
| 7) Phenol-d6                | 6.70  | 99   | 41890    | 37.40  | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 8.68  | 82   | 120392   | 106.89 | ng    | 0.00          |
| 42) 2,4,6-Tribromophenol    | 15.69 | 330  | 79480    | 125.19 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 12.77 | 172  | 266814   | 97.42  | ng    | 0.00          |
| 79) Terphenyl-d14           | 19.58 | 244  | 561761   | 116.55 | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 15) Benzyl Alcohol          | 7.81  | 79   | 2505     | 2.358  | ng    | Qvalue<br># 1 |

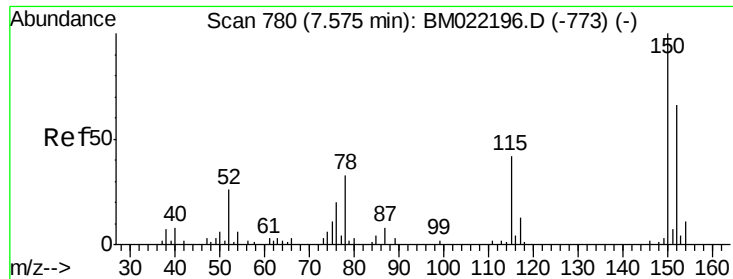
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090319\  
Data File : BM022511.D  
Acq On : 03 Sep 2019 20:10  
Operator : HP/JU  
Sample : K4555-12  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Sep 04 02:03:30 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



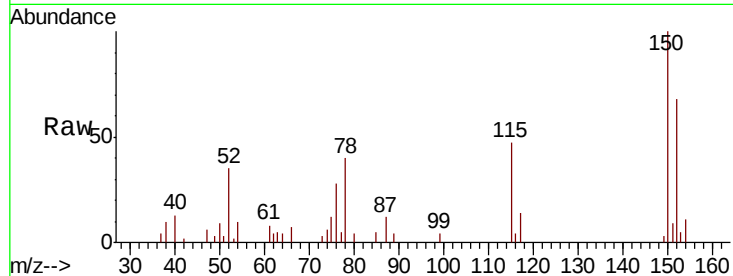


#1

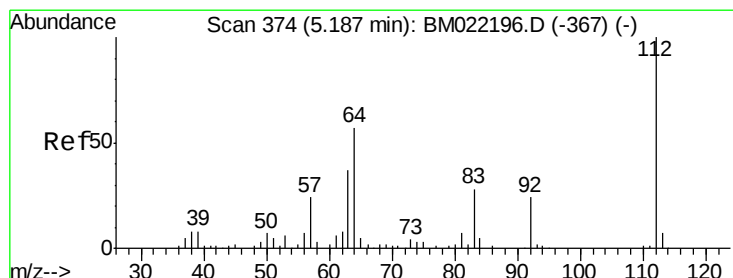
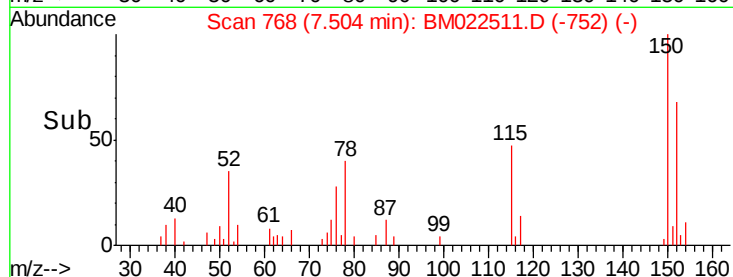
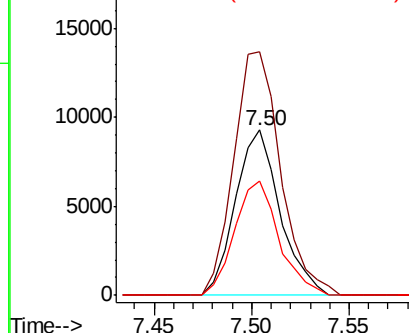
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: BM022511.D  
Acq: 03 Sep 2019 20:10

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 14701  
Ion Ratio Lower Upper  
152 100  
150 147.5 125.4 188.0  
115 69.4 50.3 75.5



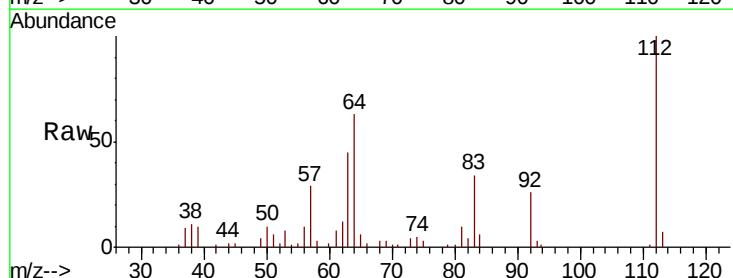
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



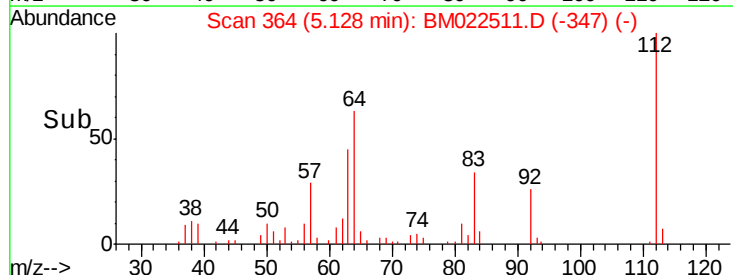
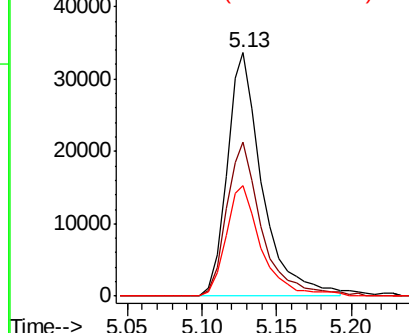
#5

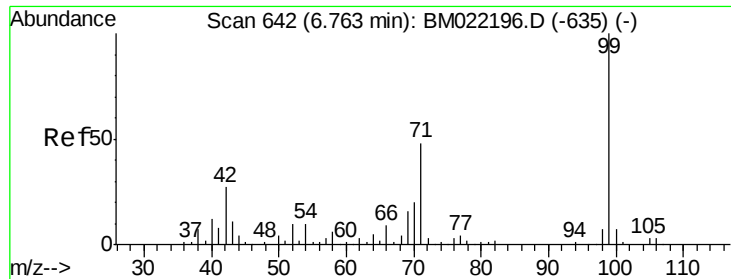
2-Fluorophenol  
Concen: 65.732 ng  
RT: 5.13 min Scan# 364  
Delta R.T. -0.00 min  
Lab File: BM022511.D  
Acq: 03 Sep 2019 20:10

Tgt Ion:112 Resp: 55051  
Ion Ratio Lower Upper  
112 100  
64 63.4 45.4 68.2  
63 45.2 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: 37.403 ng

RT: 6.70 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM022511.D

Acq: 03 Sep 2019 20:10

Instrument :

BNA\_M

ClientSampled :

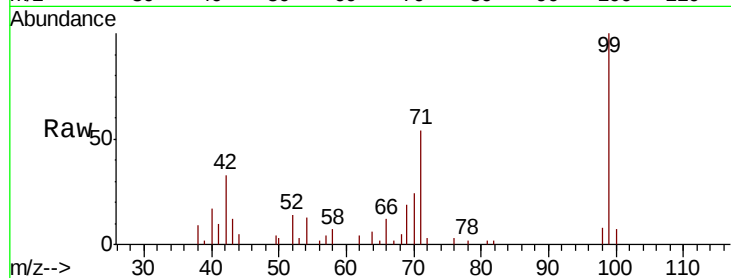
Tot Ion: 99 Resp: 41890

Ion Ratio Lower Upper

99 100

42 33.4 26.3 39.5

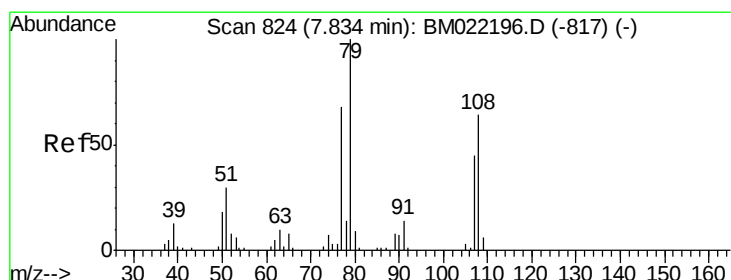
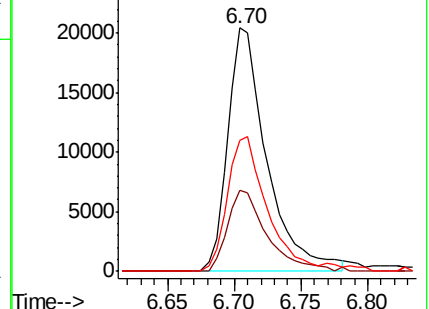
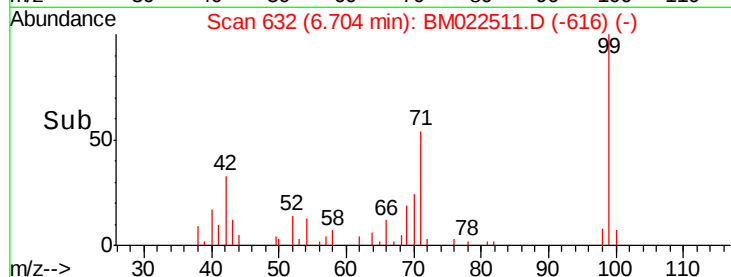
71 53.5 46.6 69.8



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: 2.358 ng

RT: 7.81 min Scan# 820

Delta R.T. 0.03 min

Lab File: BM022511.D

Acq: 03 Sep 2019 20:10

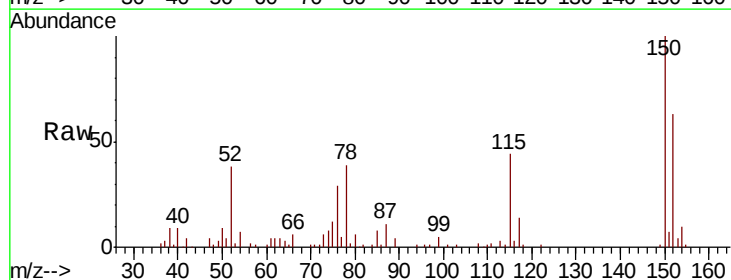
Tgt Ion: 79 Resp: 2505

Ion Ratio Lower Upper

79 100

108 90.1 48.2 72.4#

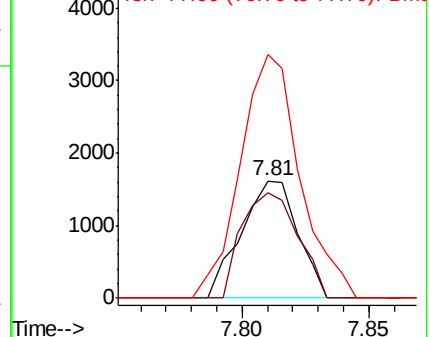
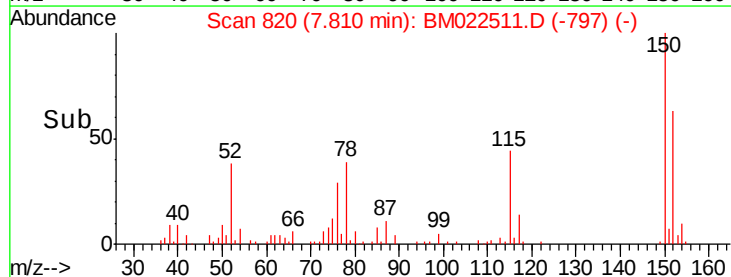
77 207.8 56.6 85.0#

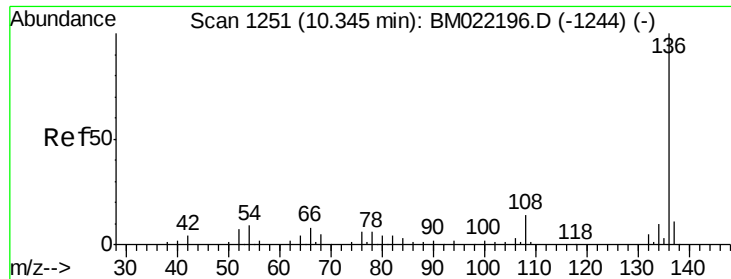


Abundance Ion 79.00 (78.70 to 79.70): BM022196.D (-817) (-)

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

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

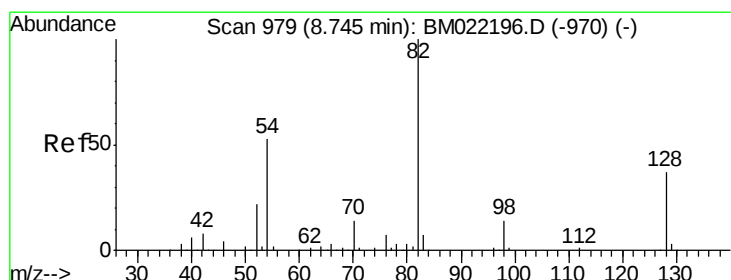
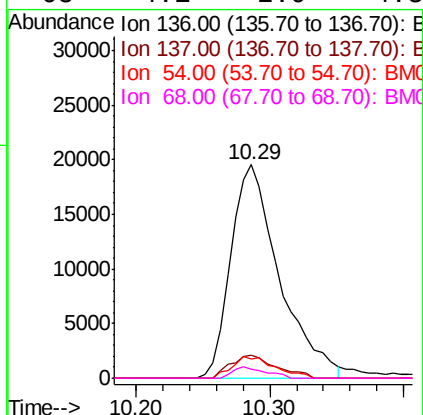
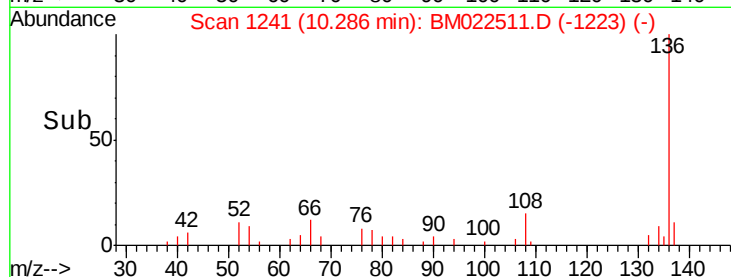
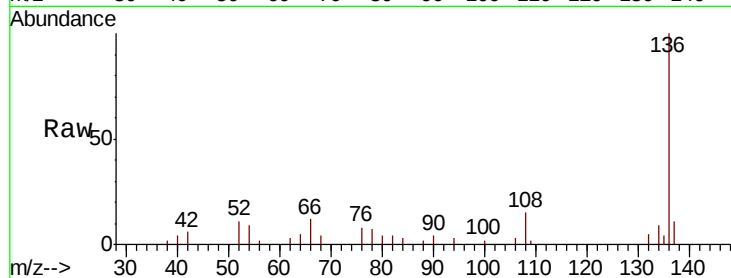




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.29 min Scan# 1241  
Delta R.T. 0.01 min  
Lab File: BM022511.D  
Acq: 03 Sep 2019 20:10

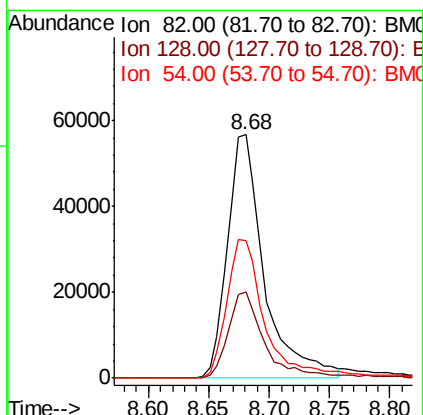
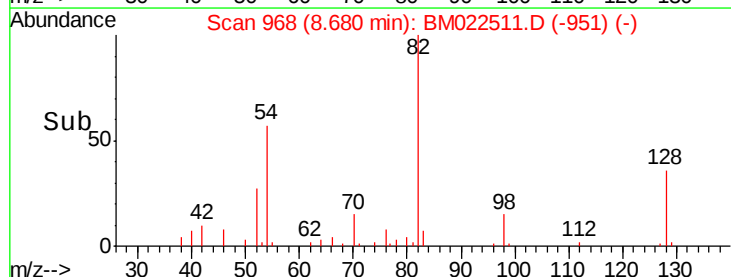
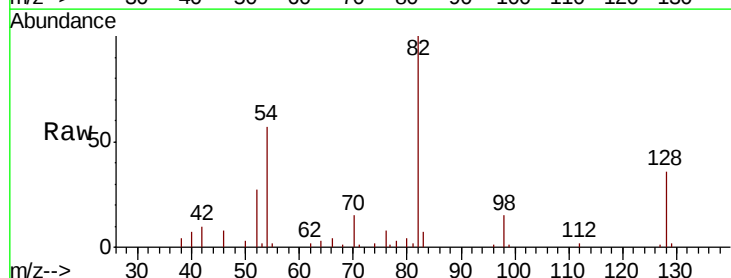
Instrument :  
BNA\_M  
ClientSampleId :

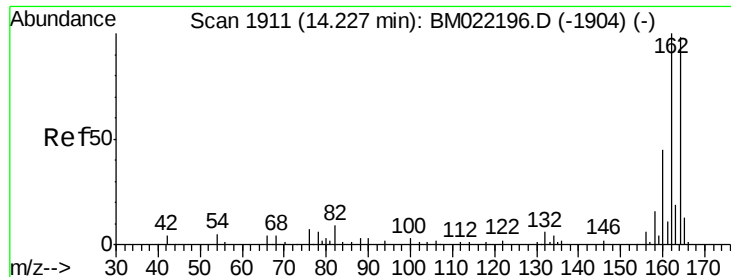
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 49335       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.7  | 8.6 13.0    |
| 54          | 9.2   | 7.0 10.6    |
| 68          | 4.1   | 2.9 4.3     |



#23  
Nitrobenzene-d5  
Concen: 106.886 ng  
RT: 8.68 min Scan# 968  
Delta R.T. -0.00 min  
Lab File: BM022511.D  
Acq: 03 Sep 2019 20:10

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 120392      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 35.6  | 27.9 41.9   |
| 54          | 56.6  | 45.2 67.8   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.17 min Scan# 1902

Delta R.T. 0.01 min

Lab File: BM022511.D

Acq: 03 Sep 2019 20:10

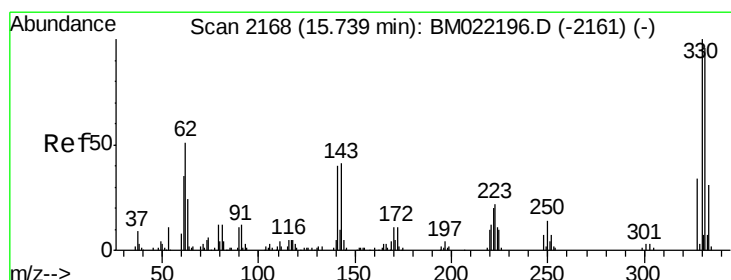
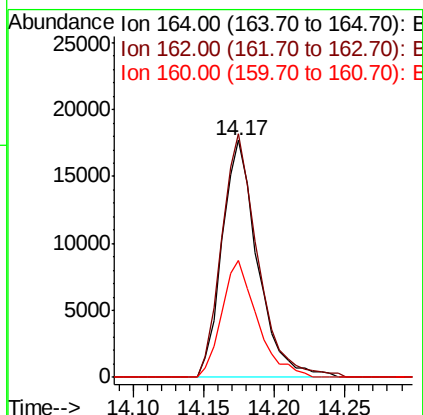
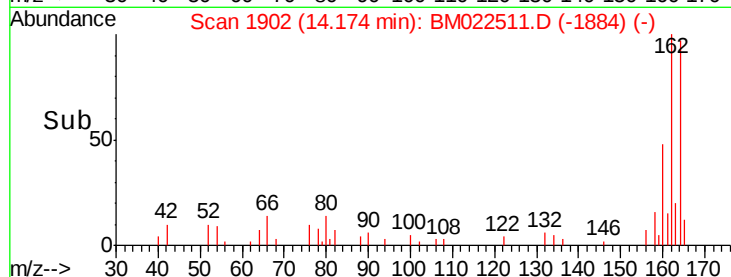
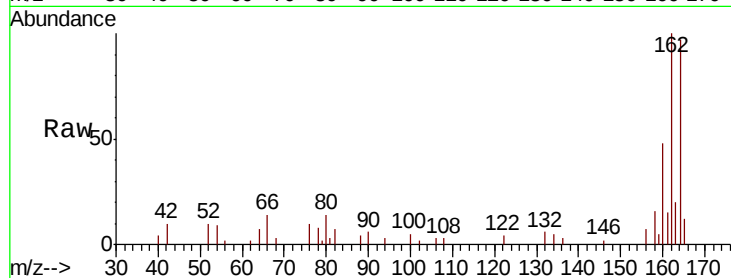
Instrument :

BNA\_M

ClientSampled :

Tot Ion:164 Resp: 31026

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.9 | 80.6  | 121.0 |
| 160 | 49.2  | 37.3  | 55.9  |



#42

2,4,6-Tribromophenol

Concen: 125.189 ng

RT: 15.69 min Scan# 2159

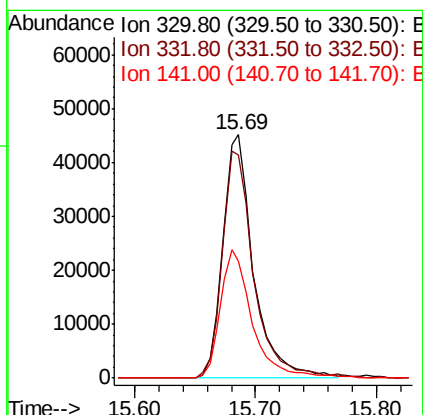
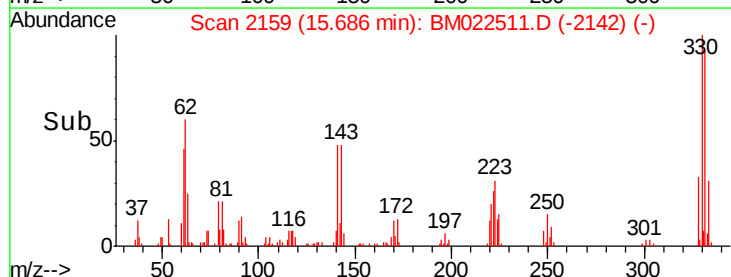
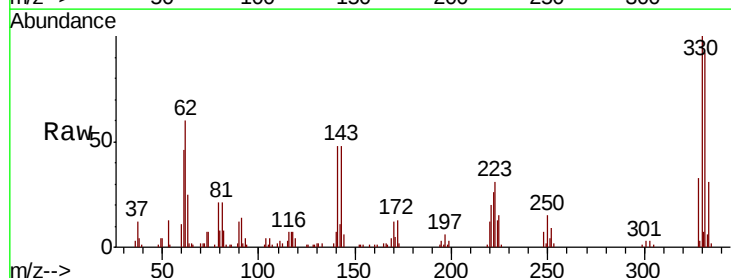
Delta R.T. -0.00 min

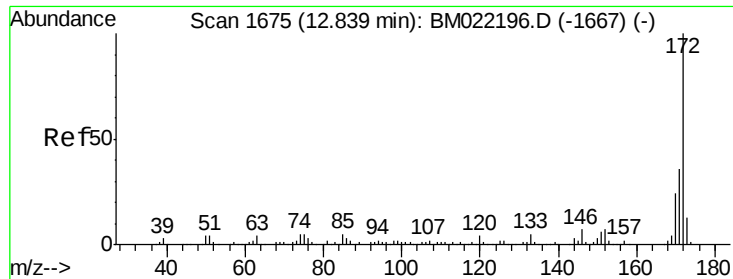
Lab File: BM022511.D

Acq: 03 Sep 2019 20:10

Tgt Ion:330 Resp: 79480

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.5  | 77.8  | 116.8 |
| 141 | 54.5  | 35.6  | 53.4  |

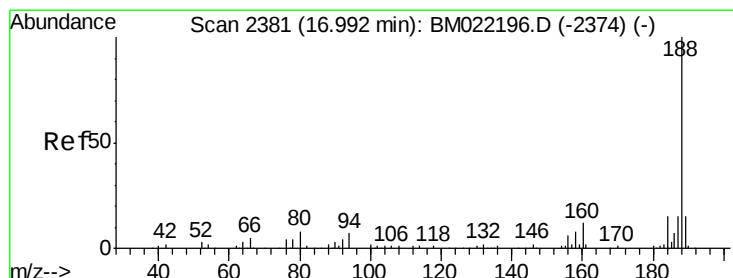
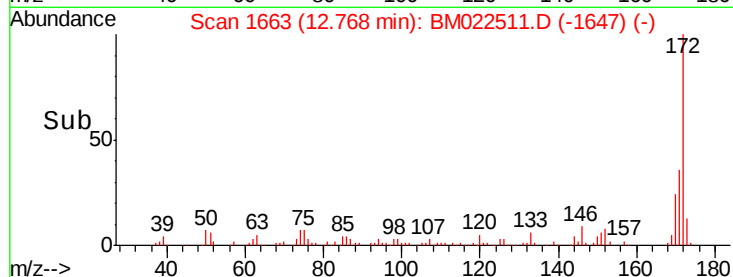
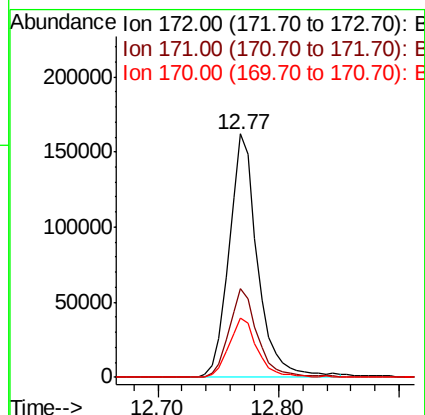
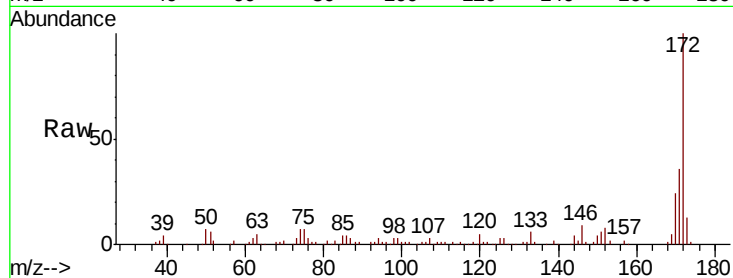




#45  
 2-Fluorobiphenyl  
 Concen: 97.421 ng  
 RT: 12.77 min Scan# 1663  
 Delta R.T. -0.01 min  
 Lab File: BM022511.D  
 Acq: 03 Sep 2019 20:10

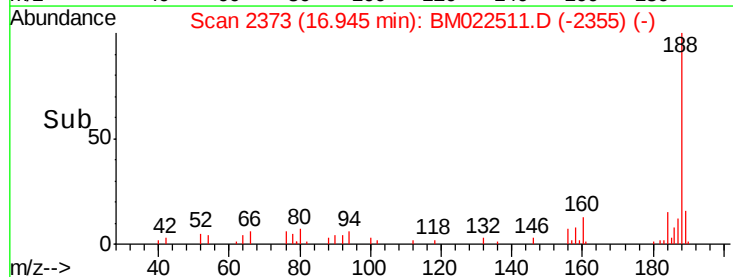
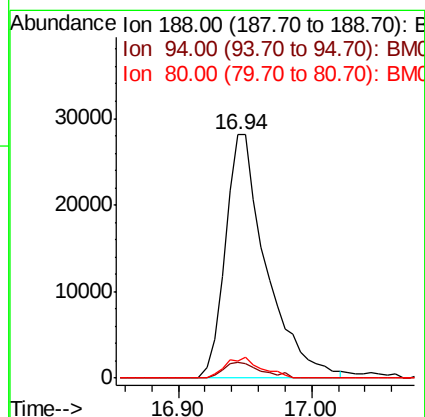
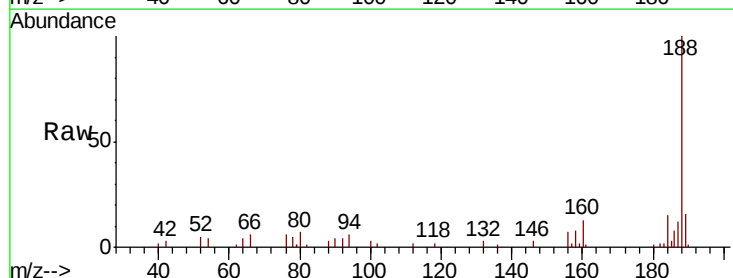
Instrument :  
 BNA\_M  
 ClientSampleId :

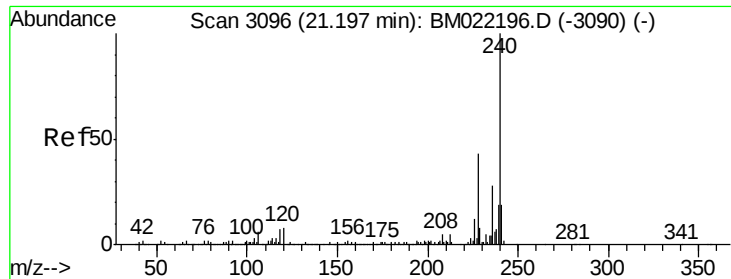
Tot Ion:172 Resp: 266814  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.5 42.7  
 170 24.2 18.9 28.3



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.94 min Scan# 2373  
 Delta R.T. 0.01 min  
 Lab File: BM022511.D  
 Acq: 03 Sep 2019 20:10

Tgt Ion:188 Resp: 60373  
 Ion Ratio Lower Upper  
 188 100  
 94 6.4 4.4 6.6  
 80 6.9 5.0 7.6

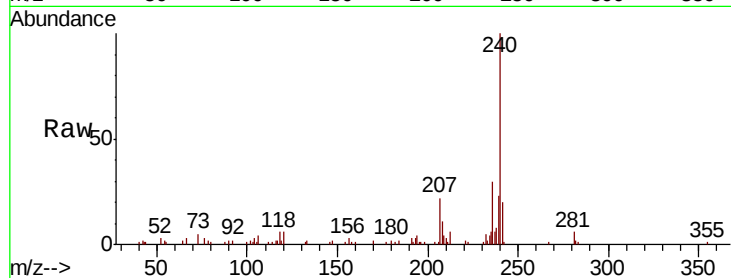




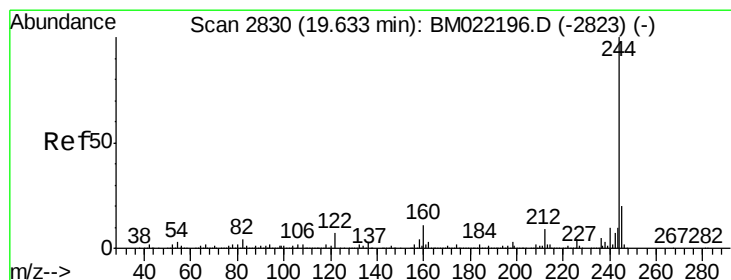
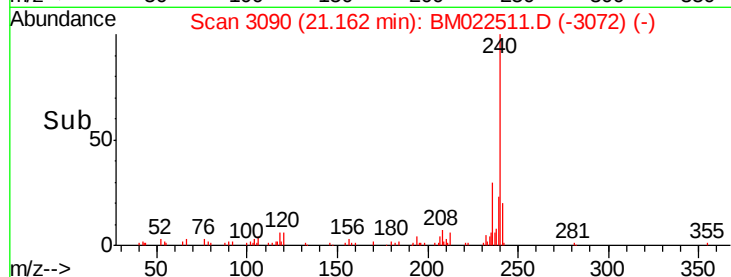
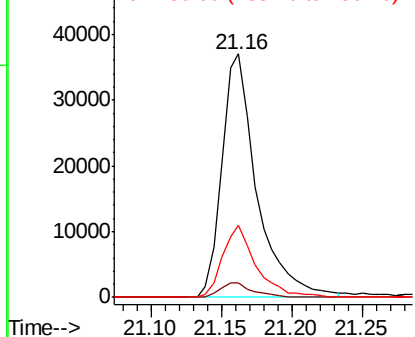
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.16 min Scan# 3090  
Delta R.T. 0.01 min  
Lab File: BM022511.D  
Acq: 03 Sep 2019 20:10

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:240 Resp: 63610  
Ion Ratio Lower Upper  
240 100  
120 5.7 3.9 5.9  
236 29.6 21.4 32.2

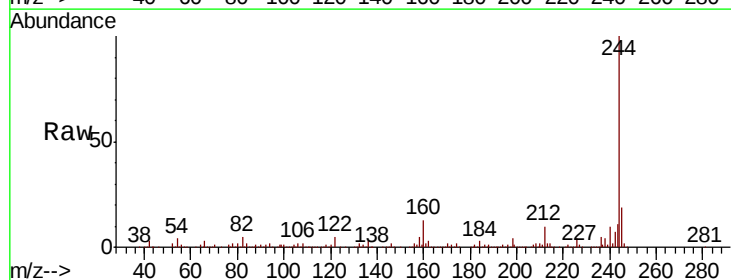


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

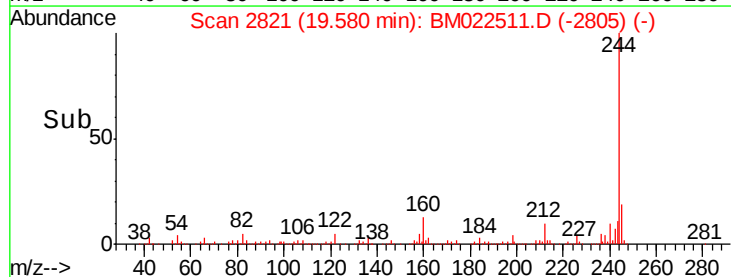
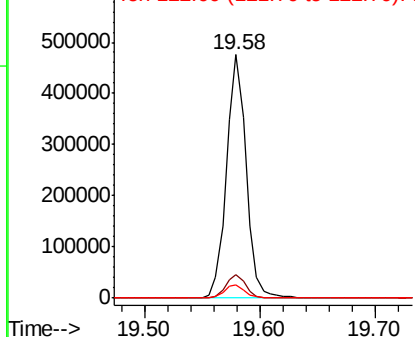


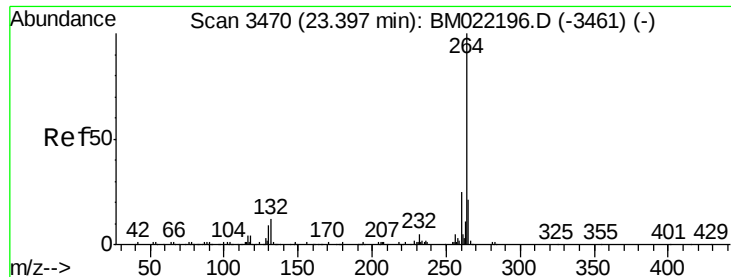
#79  
Terphenyl-d14  
Concen: 116.552 ng  
RT: 19.58 min Scan# 2821  
Delta R.T. -0.01 min  
Lab File: BM022511.D  
Acq: 03 Sep 2019 20:10

Tgt Ion:244 Resp: 561761  
Ion Ratio Lower Upper  
244 100  
212 9.6 7.0 10.4  
122 5.3 3.9 5.9



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  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.34 min Scan# 3461  
Delta R.T. -0.00 min  
Lab File: BM022511.D  
Acq: 03 Sep 2019 20:10

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 20.2  | 30.2  |
| 265     | 22.5  | 18.2  | 27.2  |

