

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120618\  
 Data File : BM017944.D  
 Acq On : 05 Dec 2018 20:38  
 Operator : JU/SJ  
 Sample : J6219-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NM-342-135-120418

Quant Time: Dec 06 00:18:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 12 18:37:25 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 160844   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 10.33 | 136  | 586503   | 20.00  | ng    | -0.05    |
| 39) Acenaphthene-d10        | 14.22 | 164  | 305255   | 20.00  | ng    | -0.05    |
| 64) Phenanthrene-d10        | 16.97 | 188  | 617404   | 20.00  | ng    | -0.04    |
| 76) Chrysene-d12            | 21.18 | 240  | 644176   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12            | 23.36 | 264  | 697851   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.20  | 112  | 911551   | 95.64  | ng    | -0.04    |
| 7) Phenol-d6                | 6.76  | 99   | 1016427  | 76.36  | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 8.72  | 82   | 812991   | 71.56  | ng    | -0.05    |
| 42) 2,4,6-Tribromophenol    | 15.72 | 330  | 460698   | 105.04 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 12.83 | 172  | 1743694  | 74.11  | ng    | -0.05    |
| 79) Terphenyl-d14           | 19.62 | 244  | 2313739  | 81.40  | ng    | -0.04    |

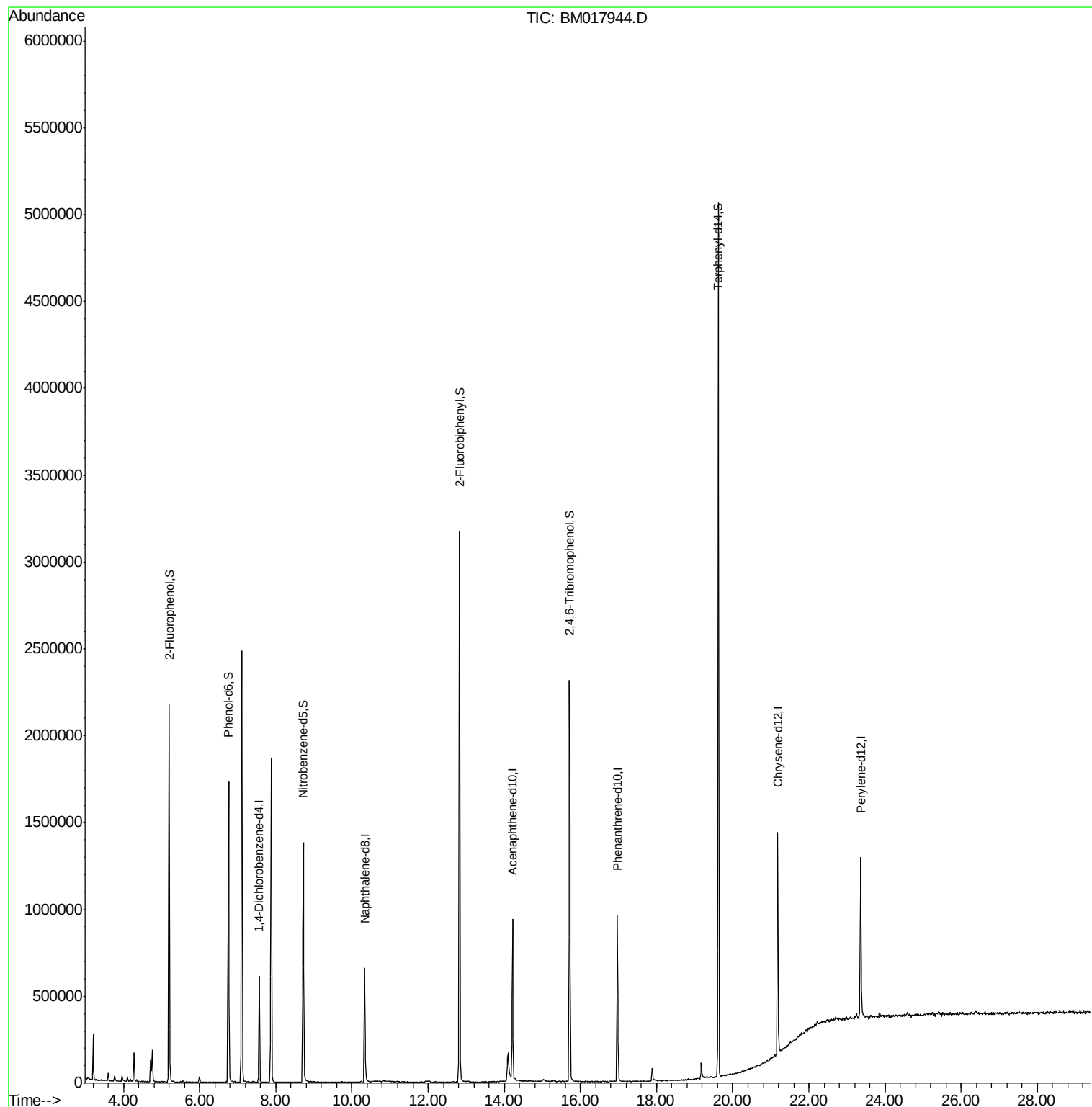
Target Compounds Qvalue

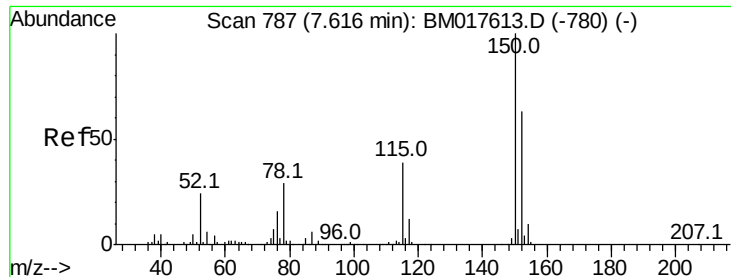
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 12 18:37:25 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.56 min Scan# 778

Delta R.T. -0.05 min

Lab File: BM017944.D

Acq: 05 Dec 2018 20:38

Instrument :

BNA\_M

ClientSampleId :

NM-342-135-120418

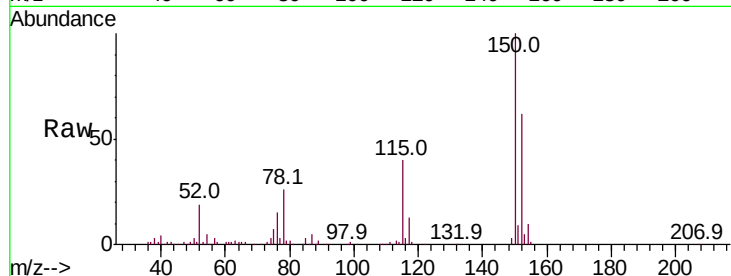
Tot Ion:152 Resp: 160844

Ion Ratio Lower Upper

152 100

150 162.2 126.4 189.6

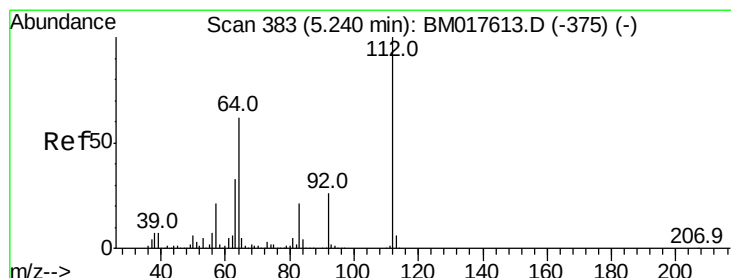
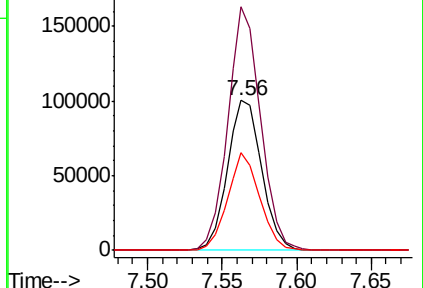
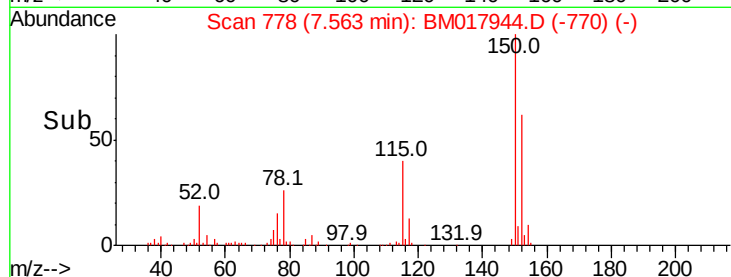
115 64.9 49.4 74.0



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: 95.644 ng

RT: 5.20 min Scan# 376

Delta R.T. -0.04 min

Lab File: BM017944.D

Acq: 05 Dec 2018 20:38

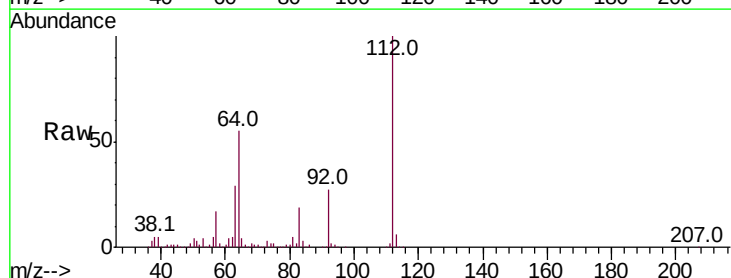
Tgt Ion:112 Resp: 911551

Ion Ratio Lower Upper

112 100

64 54.9 49.3 73.9

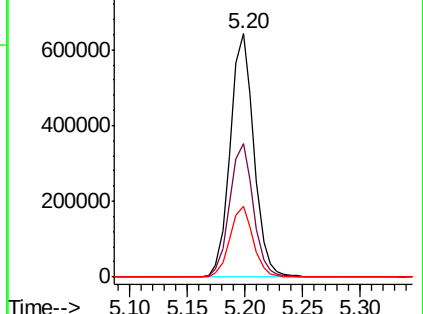
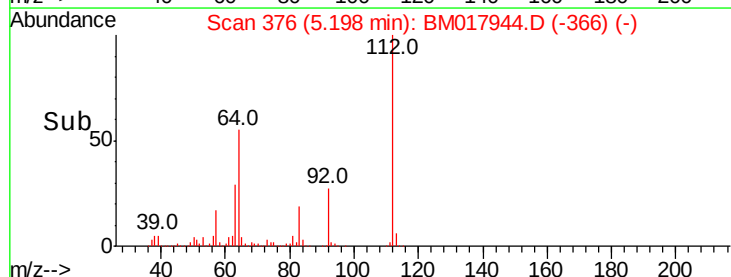
63 29.1 26.2 39.4

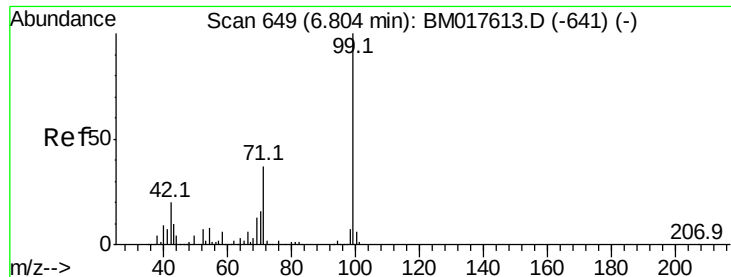


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 76.360 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.05 min

Lab File: BM017944.D

Acq: 05 Dec 2018 20:38

Instrument :

BNA\_M

ClientSampleId :

NM-342-135-120418

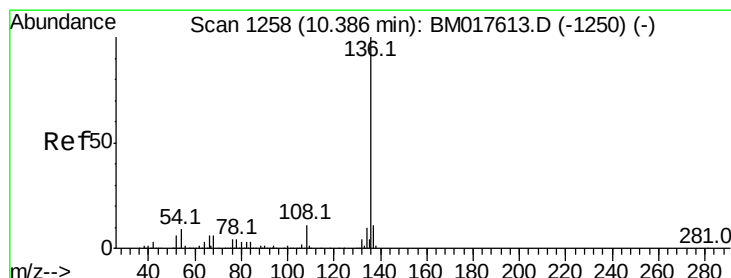
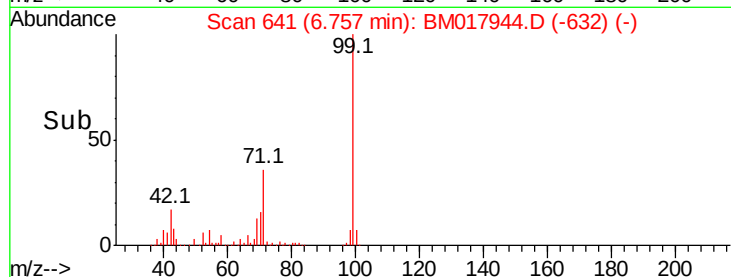
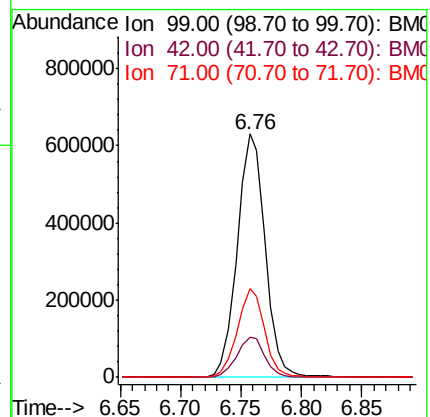
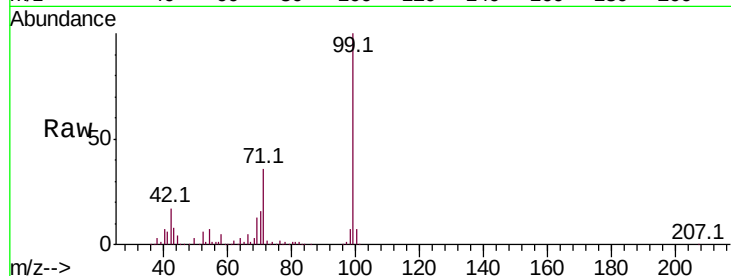
Tot Ion: 99 Resp: 1016427

Ion Ratio Lower Upper

99 100

42 16.6 16.3 24.5

71 36.2 29.8 44.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1249

Delta R.T. -0.05 min

Lab File: BM017944.D

Acq: 05 Dec 2018 20:38

Tgt Ion: 136 Resp: 586503

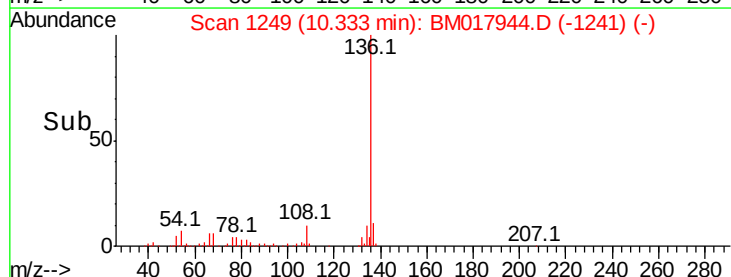
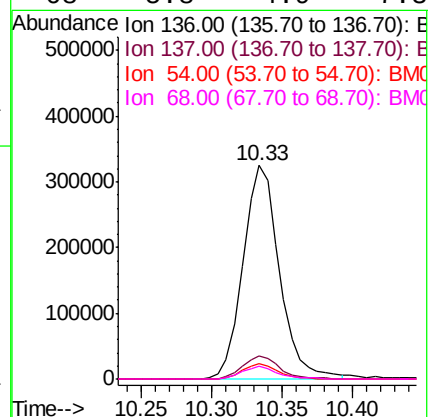
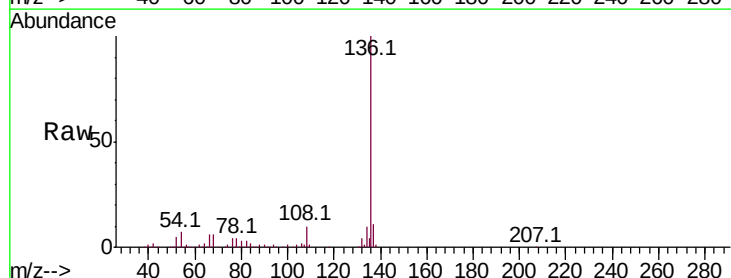
Ion Ratio Lower Upper

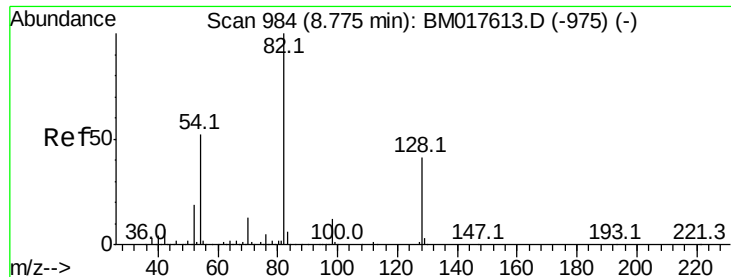
136 100

137 11.1 8.6 12.8

54 7.4 7.0 10.6

68 5.8 4.9 7.3

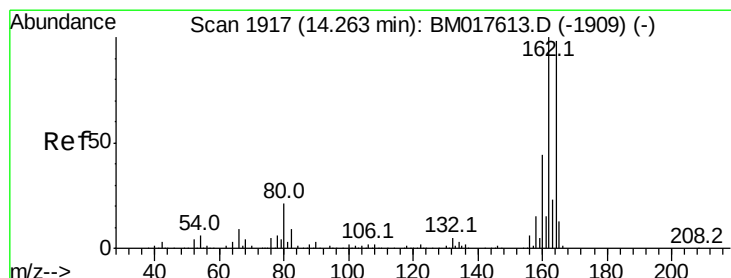
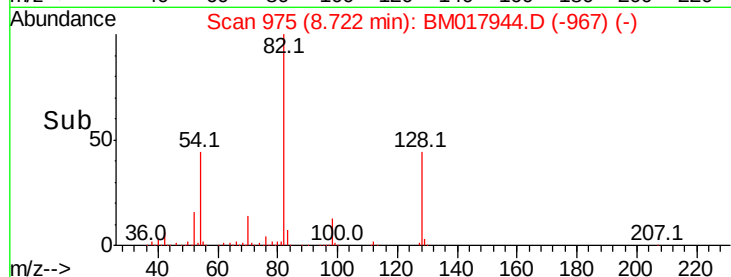
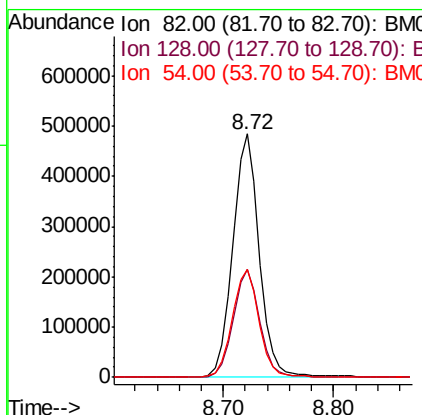
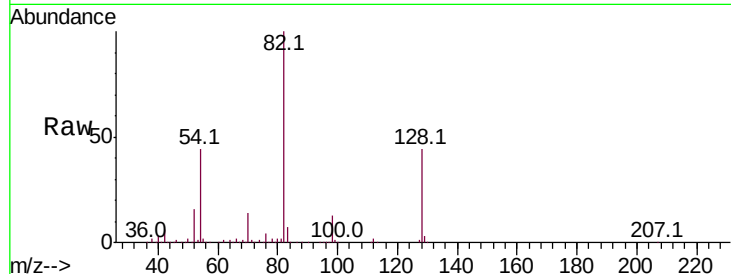




#23  
Nitrobenzene-d5  
Concen: 71.561 ng  
RT: 8.72 min Scan# 975  
Delta R.T. -0.05 min  
Lab File: BM017944.D  
Acq: 05 Dec 2018 20:38

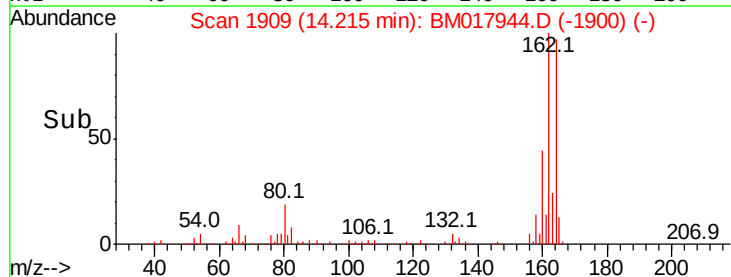
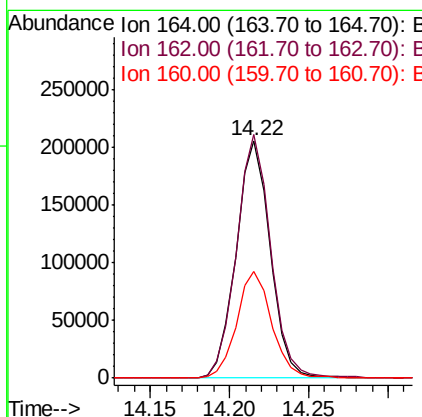
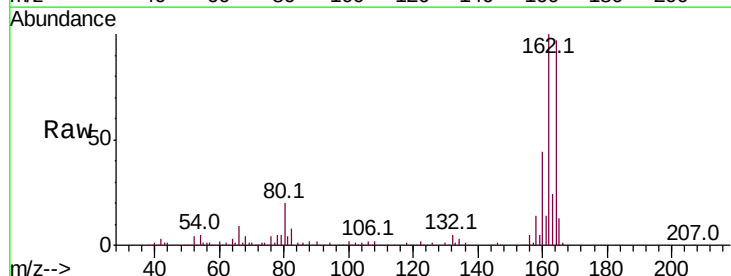
Instrument :  
BNA\_M  
ClientSampleId :  
NM-342-135-120418

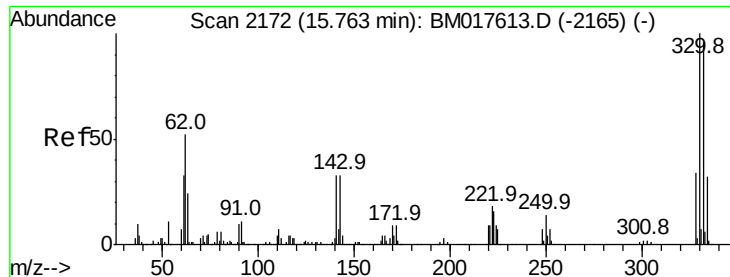
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.4  | 33.0  | 49.4  |
| 54      | 44.5  | 41.4  | 62.2  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.22 min Scan# 1909  
Delta R.T. -0.05 min  
Lab File: BM017944.D  
Acq: 05 Dec 2018 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.7 | 81.4  | 122.0 |
| 160     | 44.9  | 35.6  | 53.4  |

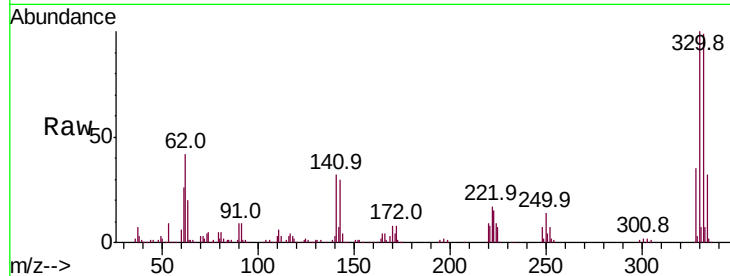




#42  
 2,4,6-Tribromophenol  
 Concen: 105.036 ng  
 RT: 15.72 min Scan# 2165  
 Delta R.T. -0.04 min  
 Lab File: BM017944.D  
 Acq: 05 Dec 2018 20:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NM-342-135-120418

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 77.9  | 116.9 |
| 141     | 33.1  | 27.5  | 41.3  |

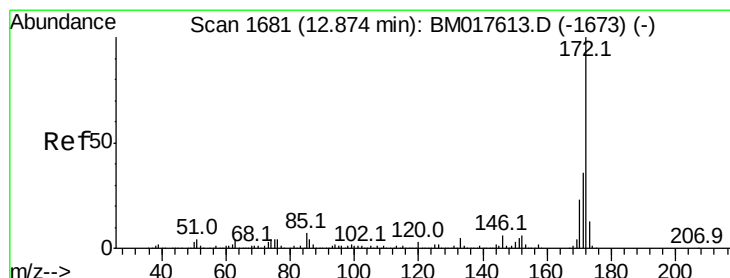
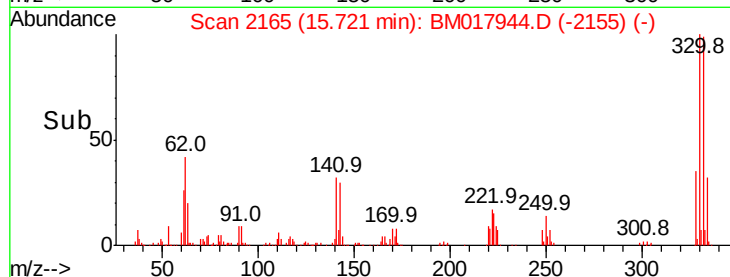
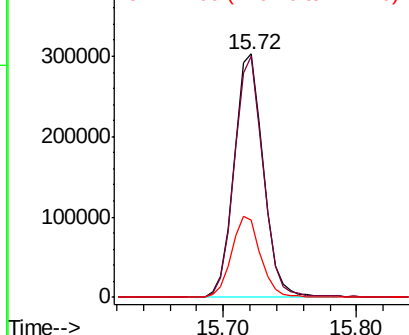


Abundance

Ion 329.80 (329.50 to 330.50): E

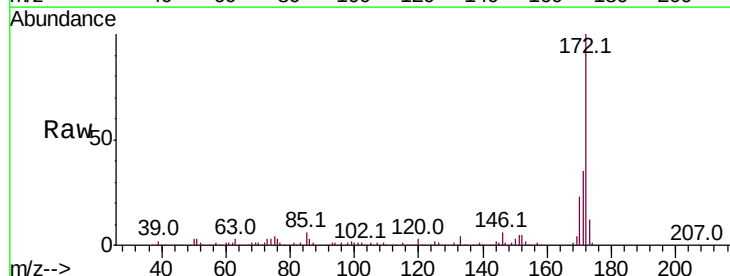
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 74.107 ng  
 RT: 12.83 min Scan# 1673  
 Delta R.T. -0.05 min  
 Lab File: BM017944.D  
 Acq: 05 Dec 2018 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 28.7  | 43.1  |
| 170     | 22.6  | 18.3  | 27.5  |

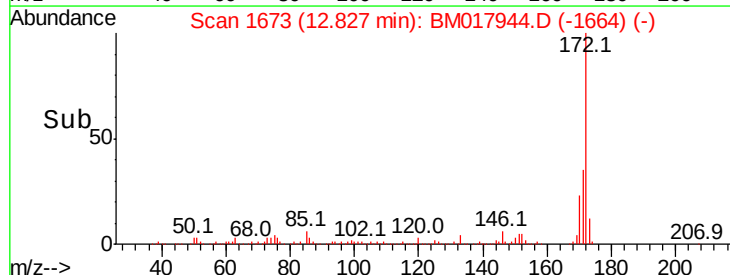
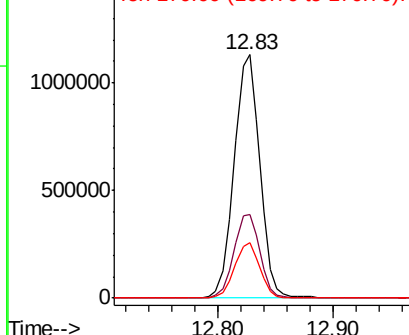


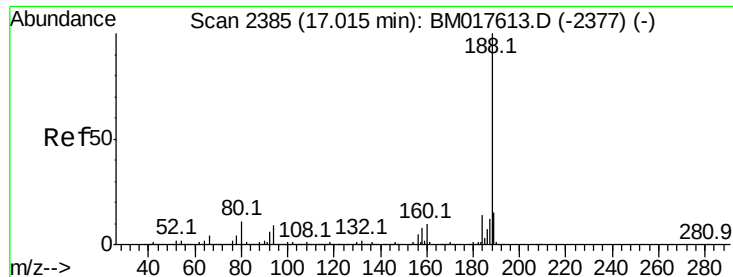
Abundance

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

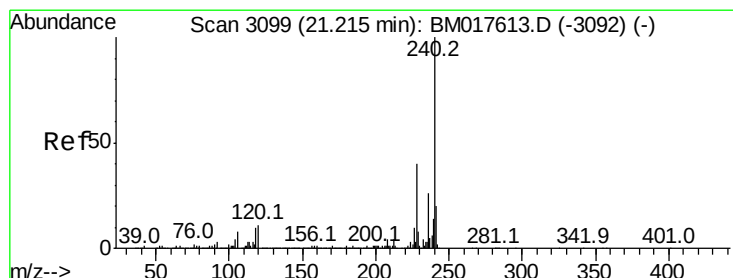
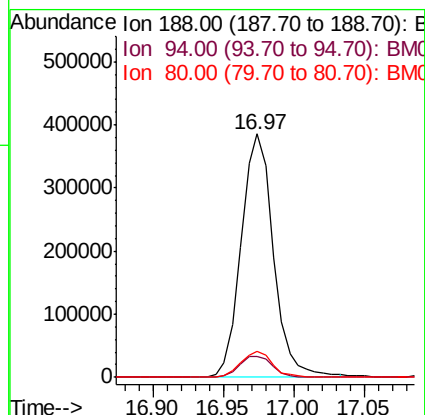
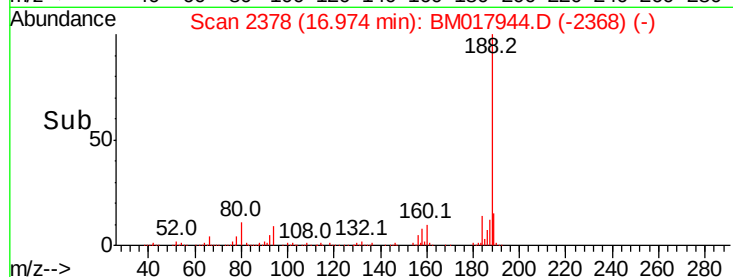
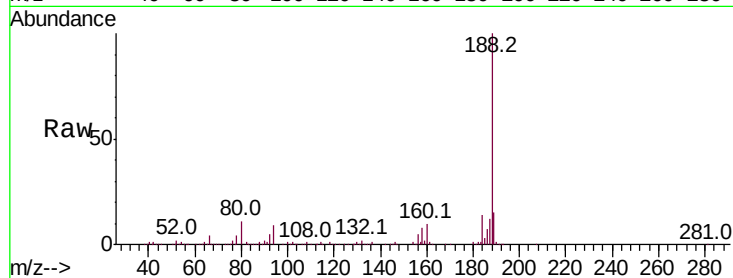




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.97 min Scan# 2378  
Delta R.T. -0.04 min  
Lab File: BM017944.D  
Acq: 05 Dec 2018 20:38

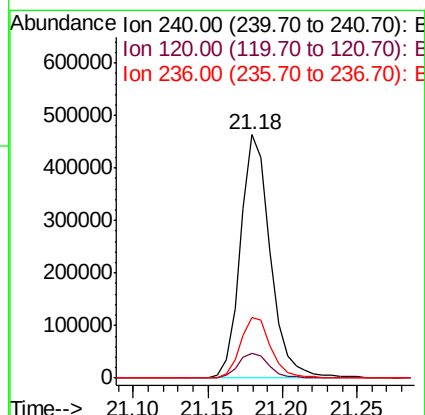
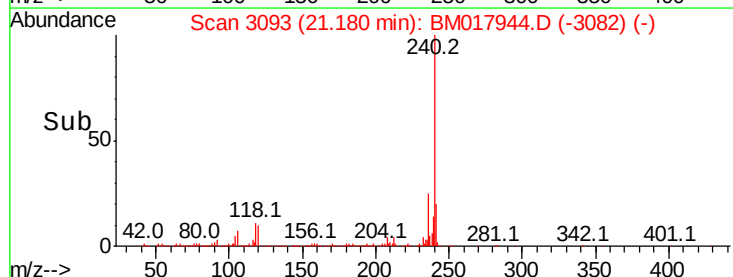
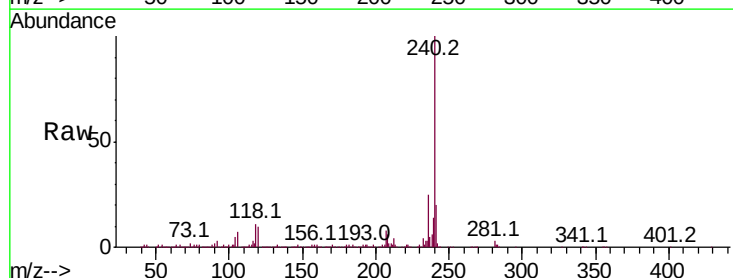
Instrument :  
BNA\_M  
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NM-342-135-120418

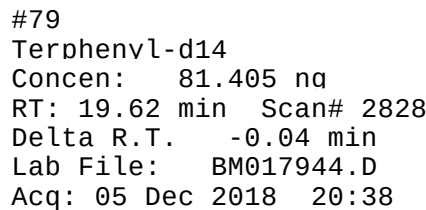
Tot Ion:188 Resp: 617404  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.5 11.3  
80 10.8 8.6 13.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.18 min Scan# 3093  
Delta R.T. -0.04 min  
Lab File: BM017944.D  
Acq: 05 Dec 2018 20:38

Tgt Ion:240 Resp: 644176  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.5 12.7  
236 24.8 20.4 30.6

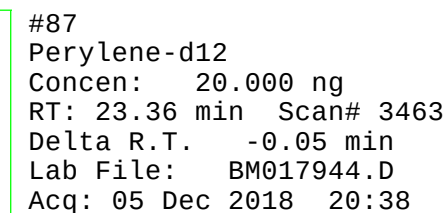
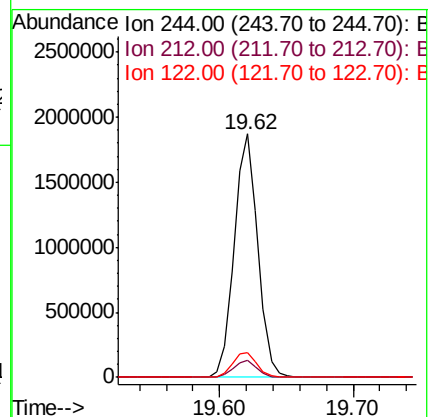




**Instrument :**  
BNA\_M

**ClientSampleId :**  
NM-342-135-120418

|     |         |       |         |
|-----|---------|-------|---------|
| Tot | Ion:244 | Resp: | 2313739 |
| Ion | Ratio   | Lower | Upper   |
| 244 | 100     |       |         |
| 212 | 7.0     | 5.8   | 8.6     |
| 122 | 10.1    | 9.0   | 13.6    |



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:264 | Resp: | 697851 |
| Ion | Ratio   | Lower | Upper  |
| 264 | 100     |       |        |
| 260 | 23.1    | 18.2  | 27.2   |
| 265 | 22.3    | 17.5  | 26.3   |

