

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM111318\  
 Data File : BM017625.D  
 Acq On : 13 Nov 2018 17:47  
 Operator : MJ/SJ  
 Sample : J5770-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-111218-A

Quant Time: Nov 14 03:32:45 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   | 7.62  | 152  | 291220   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.39 | 136  | 1126255  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.26 | 164  | 636326   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.02 | 188  | 1455008  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.22 | 240  | 1353454  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.41 | 264  | 1109795  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 2009441  | 116.45 | ng    | 0.00     |
| 7) Phenol-d6                | 6.80  | 99   | 2389944  | 99.17  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.77  | 82   | 1882339  | 86.28  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.76 | 330  | 1164703  | 127.39 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.87 | 172  | 4077351  | 83.13  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.66 | 244  | 6227396  | 104.28 | ng    | 0.00     |

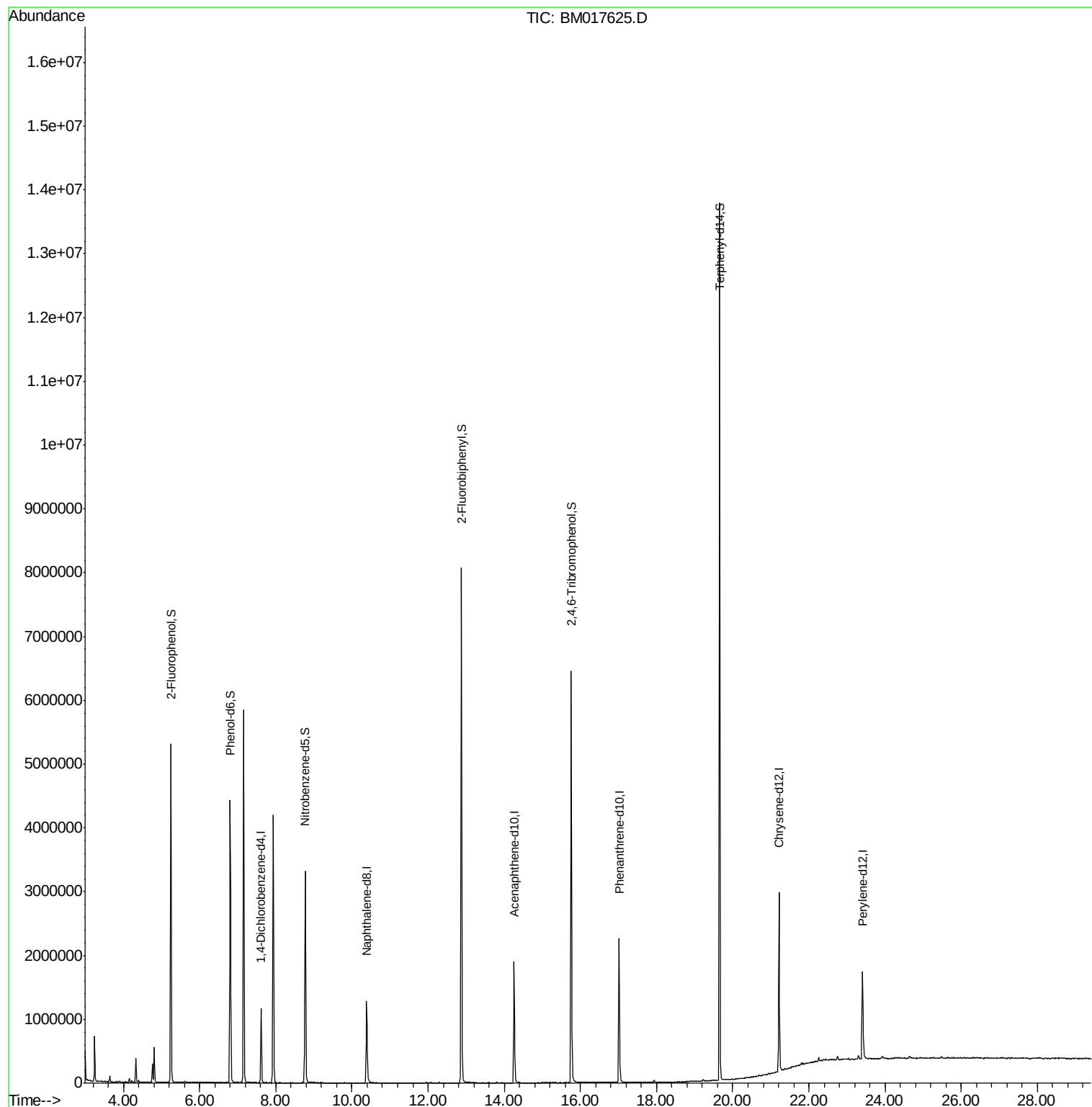
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

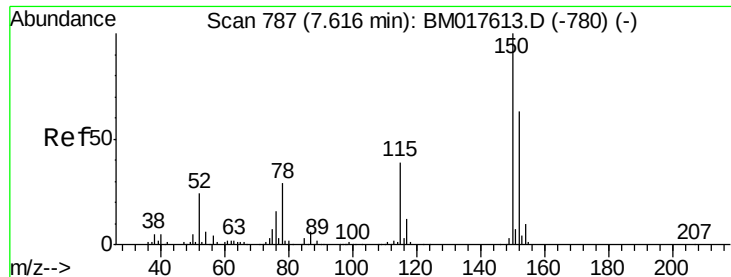
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5770-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-111218-A

Quant Time: Nov 14 03:32:45 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM111218.M  
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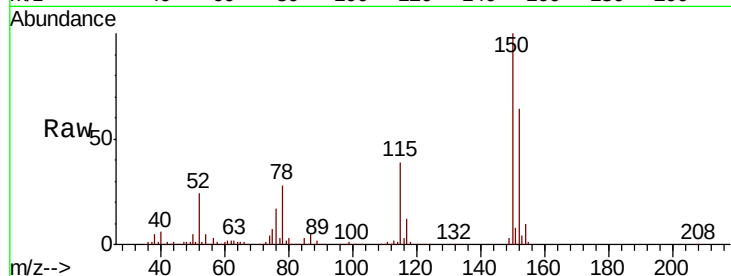


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.62 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BM017625.D  
Acq: 13 Nov 2018 17:47

Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-111218-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 126.4 | 189.6 |
| 115     | 61.4  | 49.4  | 74.0  |

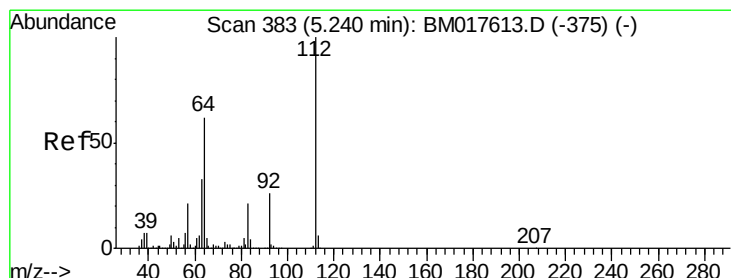
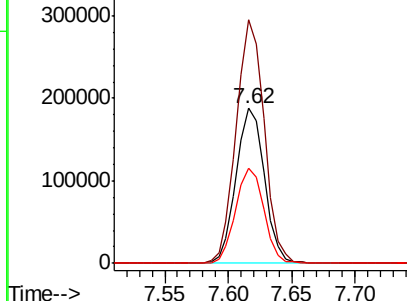
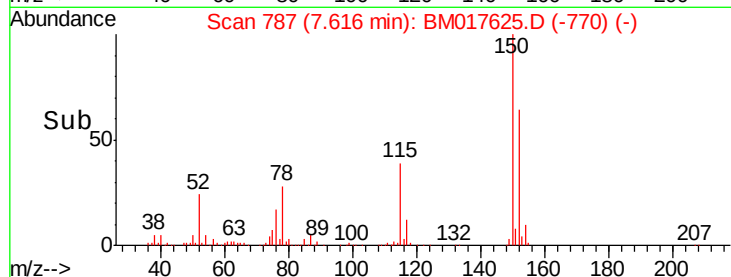


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

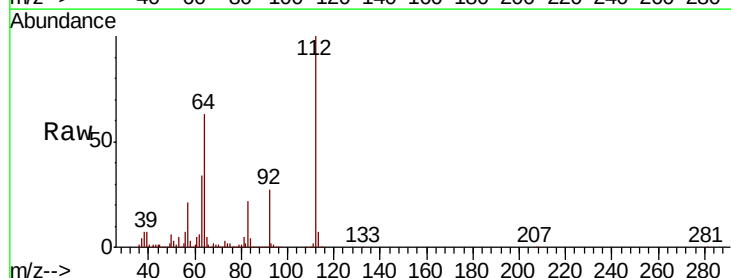
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 116.449 ng  
RT: 5.25 min Scan# 384  
Delta R.T. 0.01 min  
Lab File: BM017625.D  
Acq: 13 Nov 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.1  | 49.3  | 73.9  |
| 63      | 34.0  | 26.2  | 39.4  |

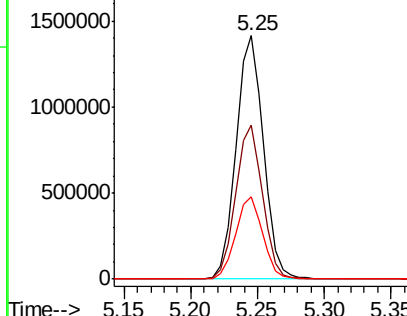
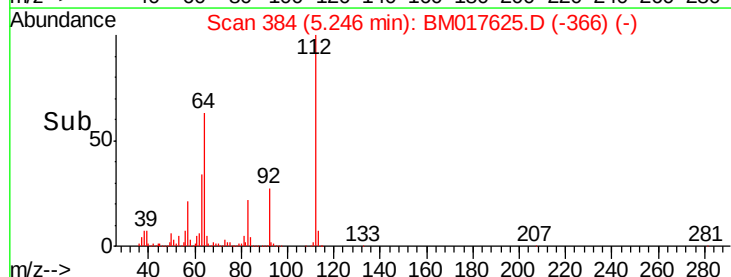


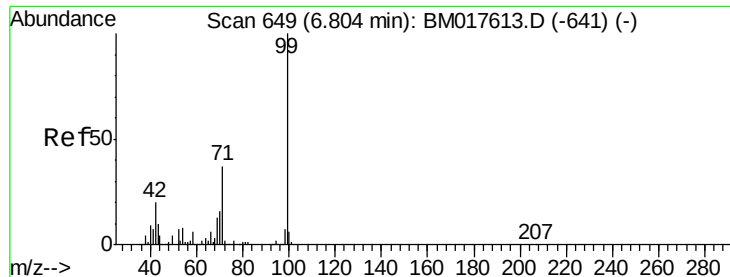
Abundance

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: 99.166 ng

RT: 6.80 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM017625.D

Acq: 13 Nov 2018 17:47

Instrument :

BNA\_M

ClientSampleId :

OR-01-111218-A

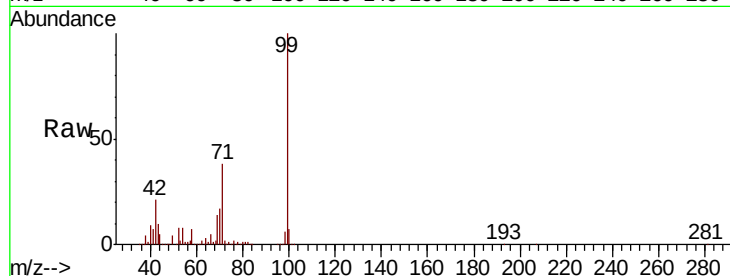
Tgt Ion: 99 Resp: 2389944

Ion Ratio Lower Upper

99 100

42 20.8 16.3 24.5

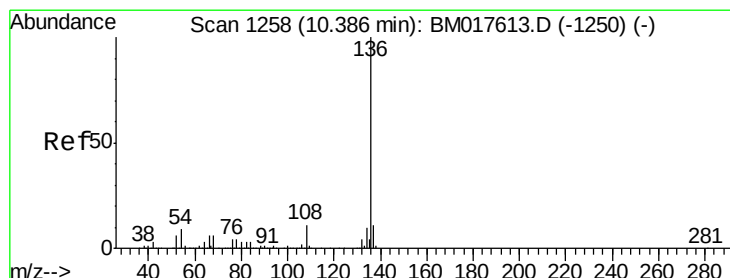
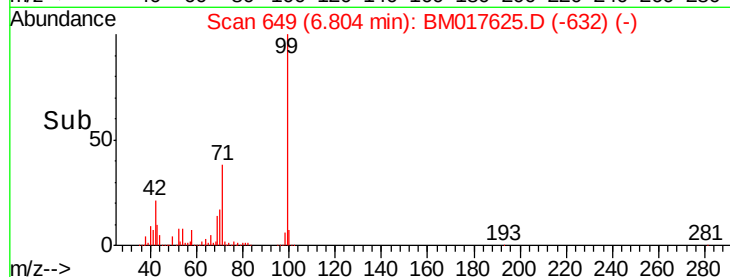
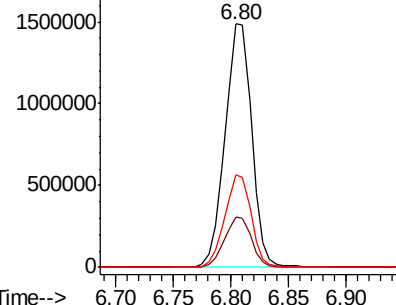
71 38.0 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017613.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BM017613.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BM017613.D (-641) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.39 min Scan# 1258

Delta R.T. -0.00 min

Lab File: BM017625.D

Acq: 13 Nov 2018 17:47

Tgt Ion: 136 Resp: 1126255

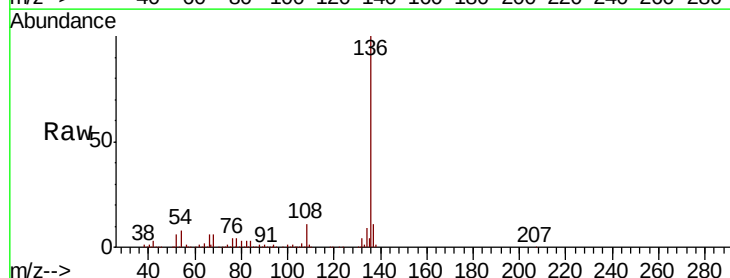
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 8.5 7.0 10.6

68 6.4 4.9 7.3

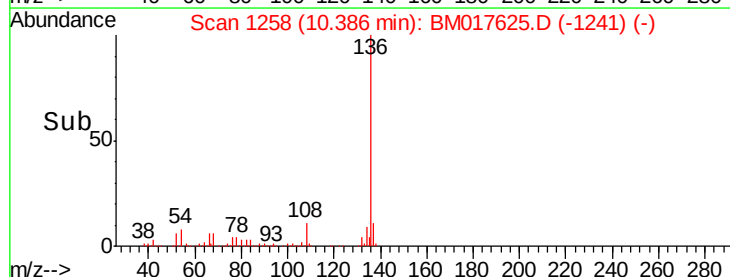
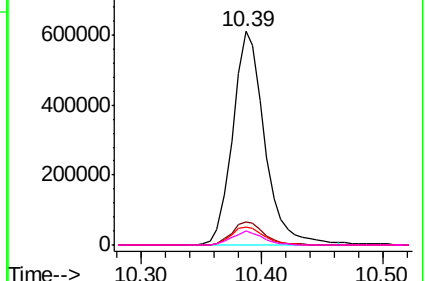


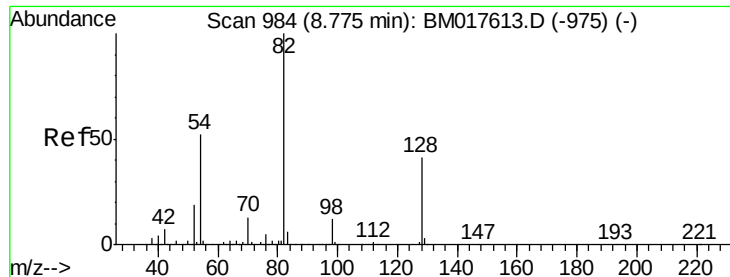
Abundance Ion 136.00 (135.70 to 136.70): BM017613.D (-1250) (-)

Ion 137.00 (136.70 to 137.70): BM017613.D (-1250) (-)

Ion 54.00 (53.70 to 54.70): BM017613.D (-1250) (-)

Ion 68.00 (67.70 to 68.70): BM017613.D (-1250) (-)

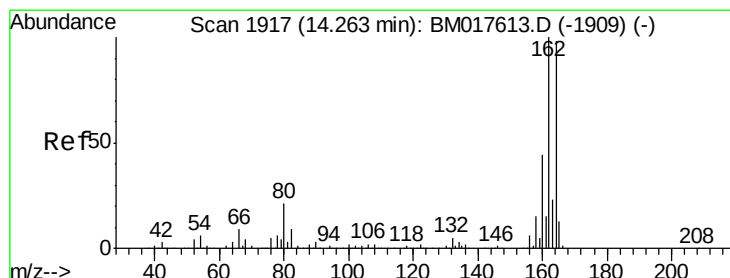
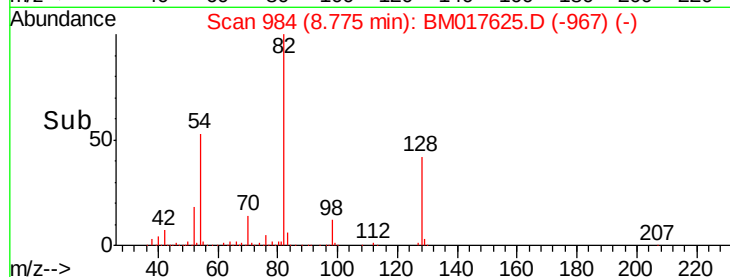
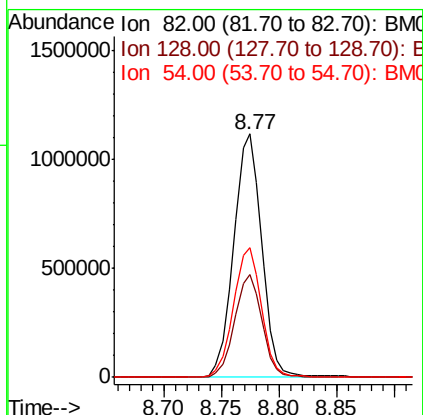
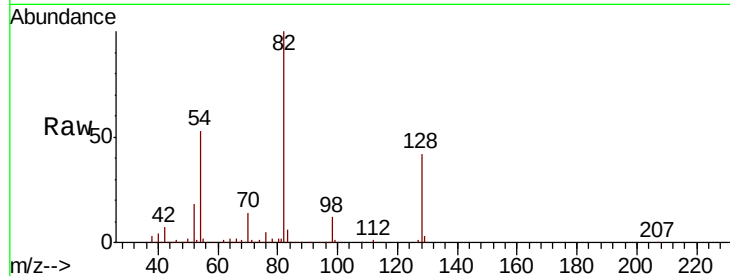




#23  
Nitrobenzene-d5  
Concen: 86.283 ng  
RT: 8.77 min Scan# 984  
Delta R.T. -0.00 min  
Lab File: BM017625.D  
Acq: 13 Nov 2018 17:47

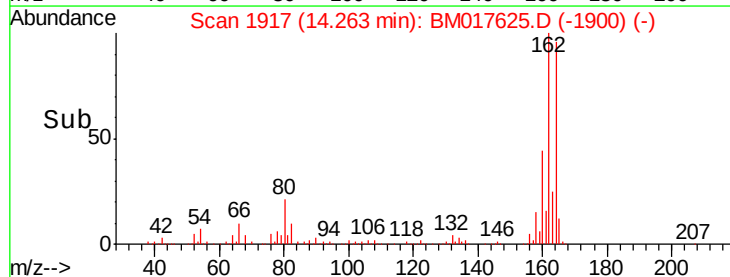
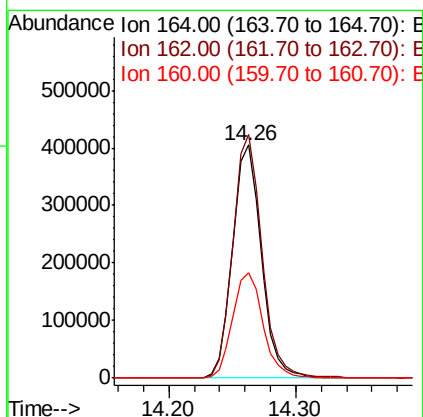
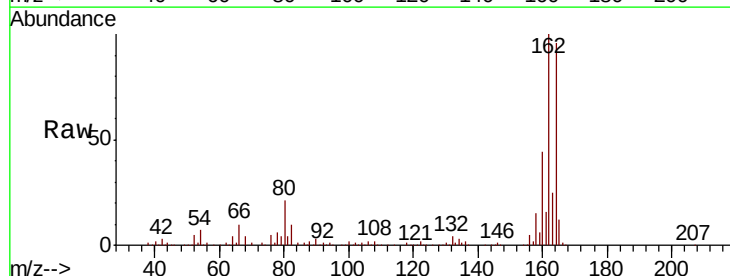
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-111218-A

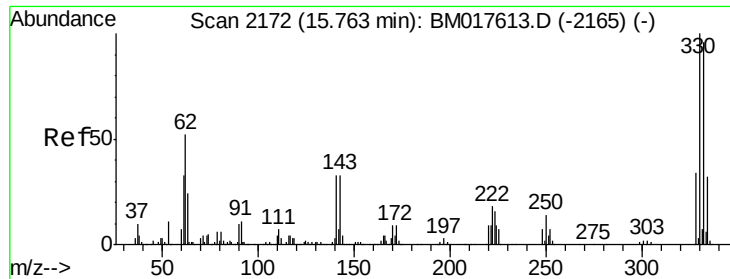
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.0  | 33.0  | 49.4  |
| 54      | 53.3  | 41.4  | 62.2  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.26 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: BM017625.D  
Acq: 13 Nov 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 81.4  | 122.0 |
| 160     | 45.4  | 35.6  | 53.4  |

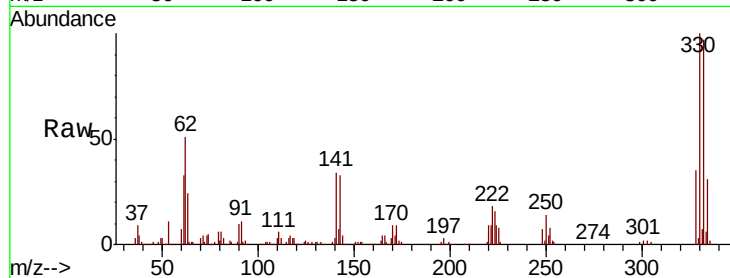




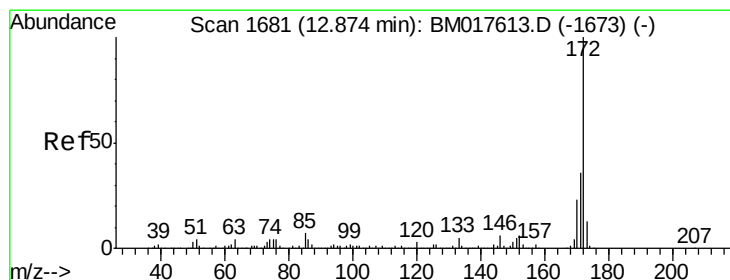
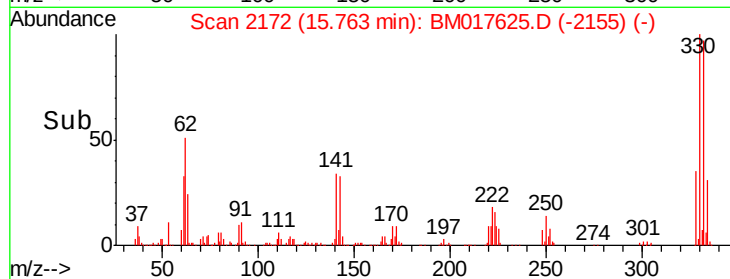
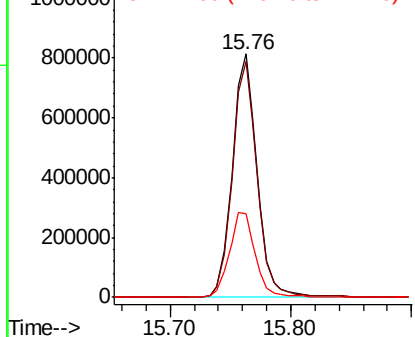
#42  
 2,4,6-Tribromophenol  
 Concen: 127.386 ng  
 RT: 15.76 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: BM017625.D  
 Acq: 13 Nov 2018 17:47

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-111218-A

Tgt Ion:330 Resp: 1164703  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.9 116.9  
 141 36.4 27.5 41.3

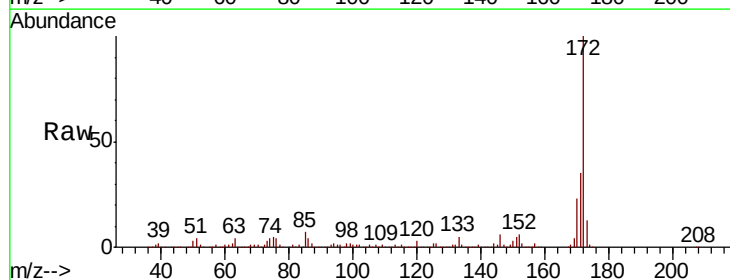


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

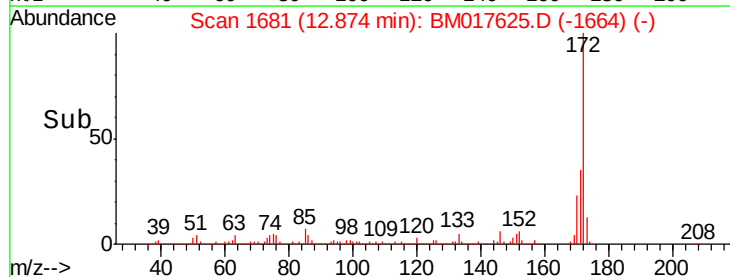
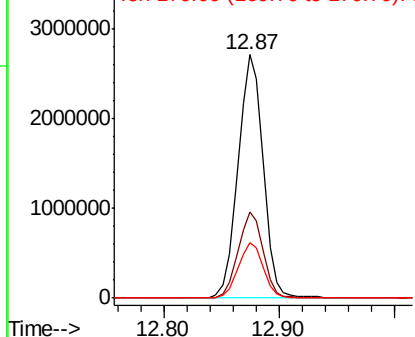


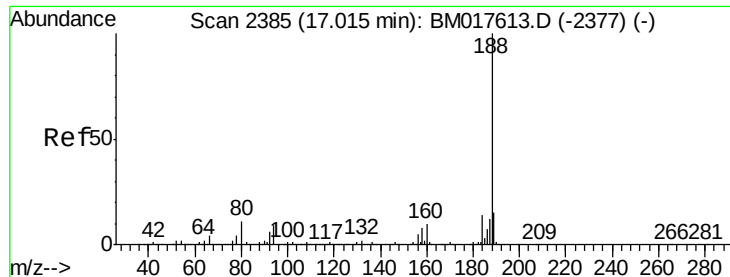
#45  
 2-Fluorobiphenyl  
 Concen: 83.129 ng  
 RT: 12.87 min Scan# 1681  
 Delta R.T. -0.00 min  
 Lab File: BM017625.D  
 Acq: 13 Nov 2018 17:47

Tgt Ion:172 Resp: 4077351  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.7 43.1  
 170 22.9 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

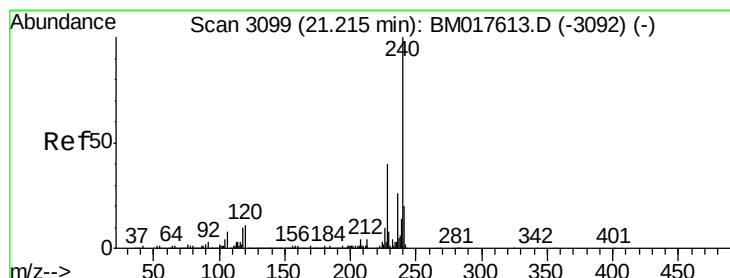
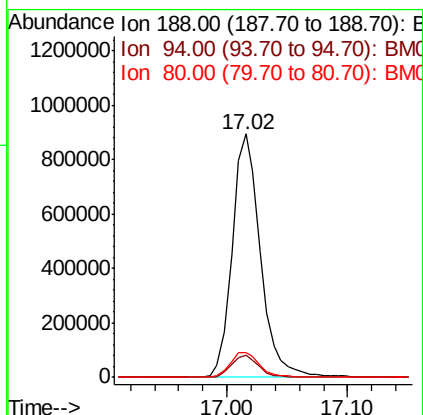
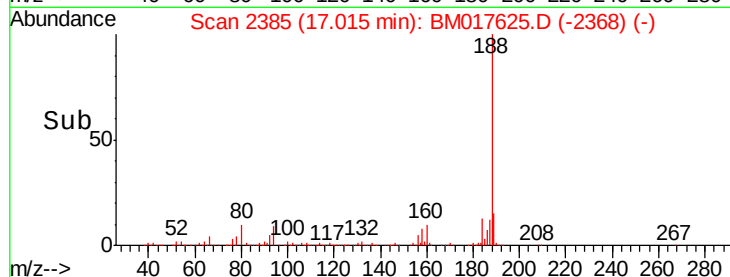
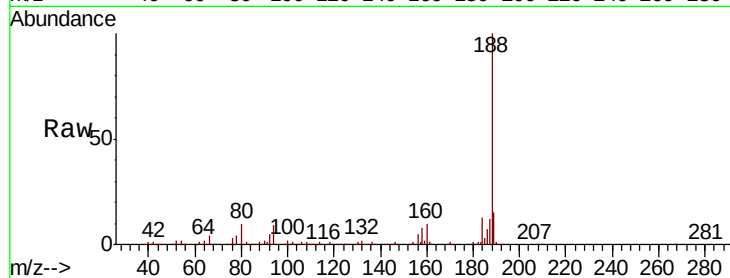




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.02 min Scan# 2385  
Delta R.T. -0.00 min  
Lab File: BM017625.D  
Acq: 13 Nov 2018 17:47

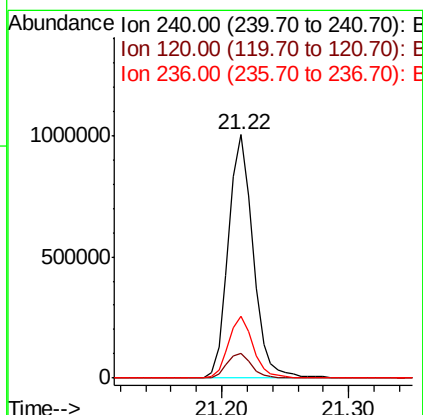
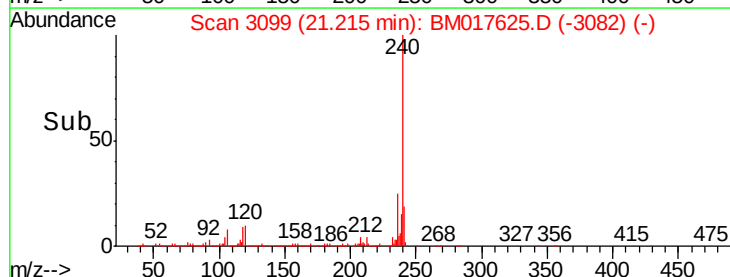
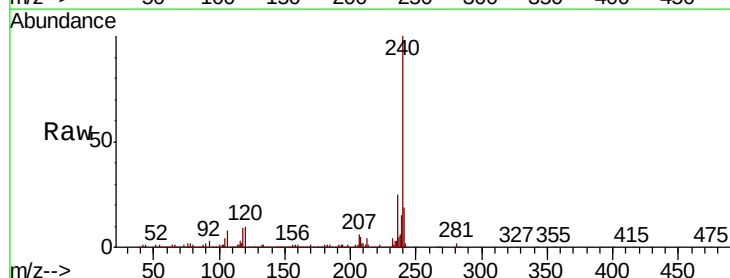
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-111218-A

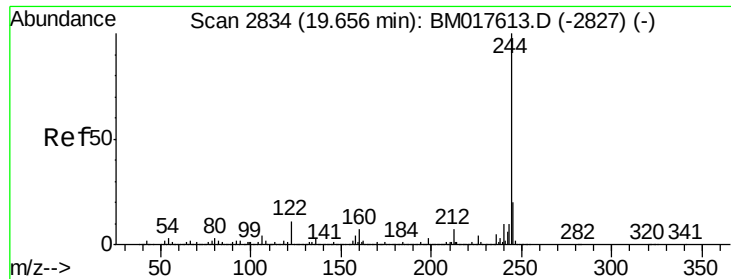
Tgt Ion:188 Resp: 1455008  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.5 11.3  
80 10.3 8.6 13.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.22 min Scan# 3099  
Delta R.T. -0.00 min  
Lab File: BM017625.D  
Acq: 13 Nov 2018 17:47

Tgt Ion:240 Resp: 1353454  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.5 12.7  
236 25.2 20.4 30.6





#79

Terphenyl-d14

Concen: 104.281 ng

RT: 19.66 min Scan# 2835

Delta R.T. 0.01 min

Lab File: BM017625.D

Acq: 13 Nov 2018 17:47

Instrument :

BNA\_M

ClientSampleId :

OR-01-111218-A

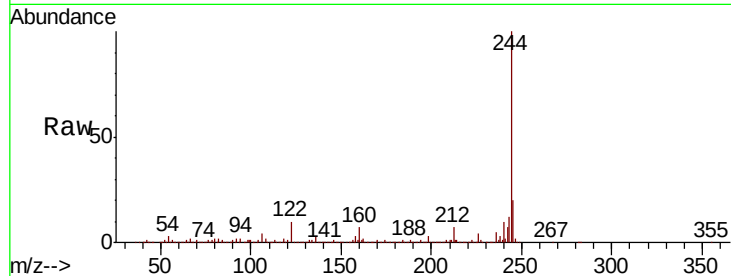
Tgt Ion:244 Resp: 6227396

Ion Ratio Lower Upper

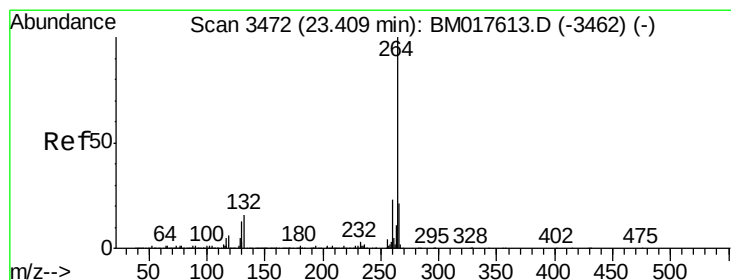
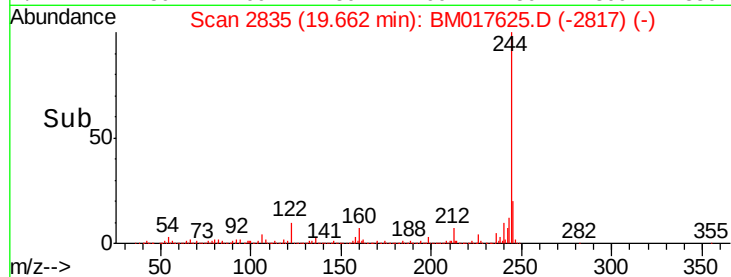
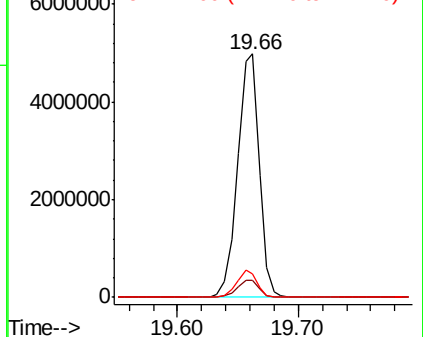
244 100

212 7.2 5.8 8.6

122 9.9 9.0 13.6



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

Perylene-d12

Concen: 20.000 ng

RT: 23.41 min Scan# 3472

Delta R.T. -0.00 min

Lab File: BM017625.D

Acq: 13 Nov 2018 17:47

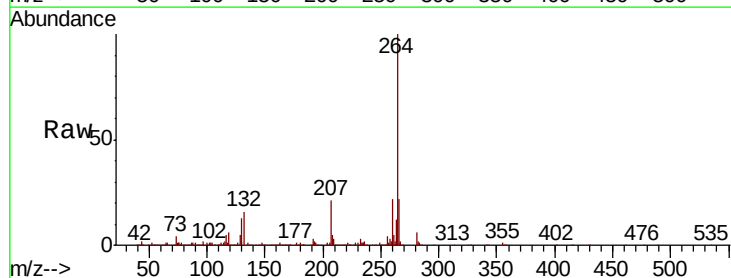
Tgt Ion:264 Resp: 1109795

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.2

265 21.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

