

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM120218\  
 Data File : BM017858.D  
 Acq On : 01 Dec 2018 15:57  
 Operator : JU/SJ  
 Sample : J6134-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-7

Quant Time: Dec 03 00:17:43 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   | 7.58  | 152  | 217281   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.35 | 136  | 880866   | 20.00  | ng    | -0.04    |
| 39) Acenaphthene-d10        | 14.23 | 164  | 487331   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 16.99 | 188  | 988431   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12            | 21.19 | 240  | 770555   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.37 | 264  | 774518   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 669749   | 52.02  | ng    | -0.03    |
| 7) Phenol-d6                | 6.77  | 99   | 537475   | 29.89  | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 8.74  | 82   | 1368975  | 80.23  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 776353   | 110.87 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl        | 12.85 | 172  | 3017214  | 80.32  | ng    | -0.03    |
| 79) Terphenyl-d14           | 19.63 | 244  | 3575540  | 105.17 | ng    | -0.02    |

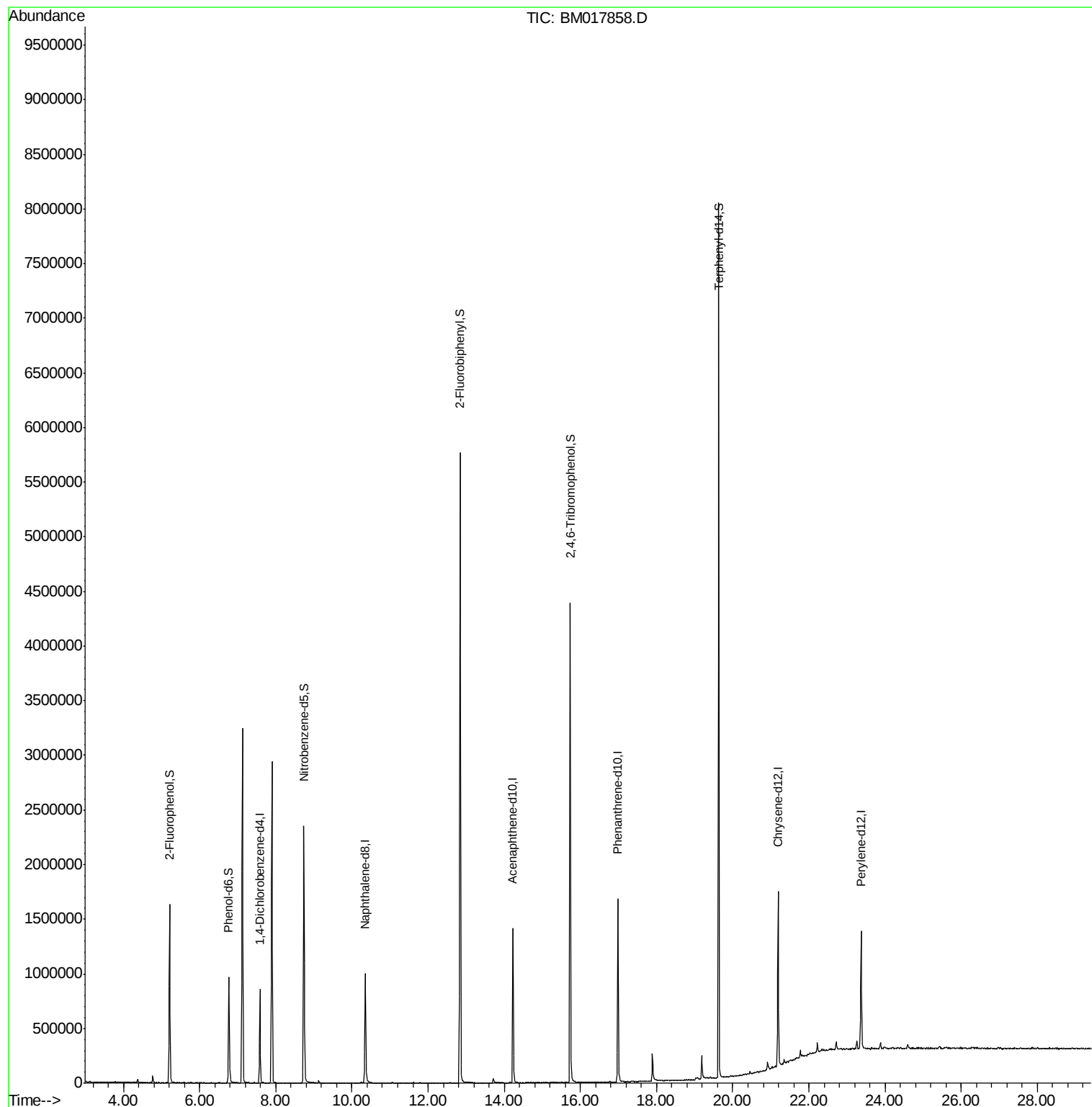
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

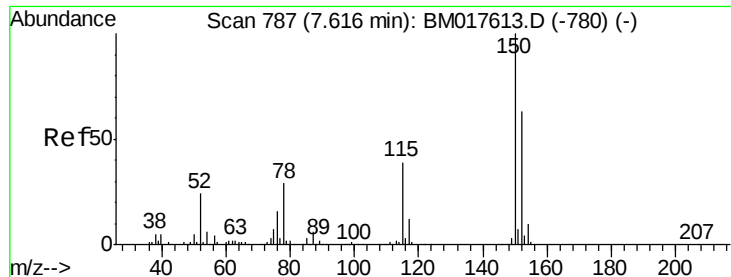
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Dec 03 00:17:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



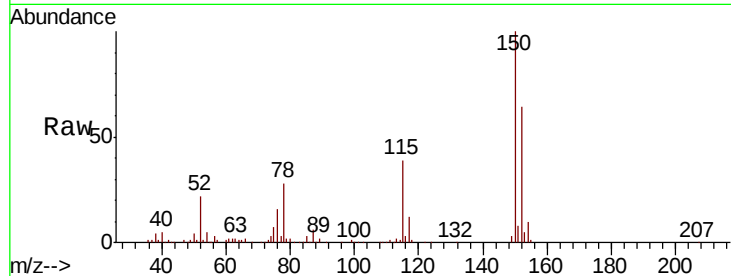


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.58 min Scan# 781  
Delta R.T. -0.04 min  
Lab File: BM017858.D  
Acq: 01 Dec 2018 15:57

Instrument :  
BNA\_M  
ClientSampleId :  
MW-7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.5 | 126.4 | 189.6 |
| 115     | 61.0  | 49.4  | 74.0  |

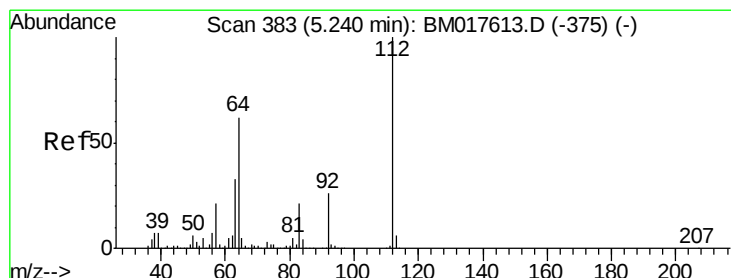
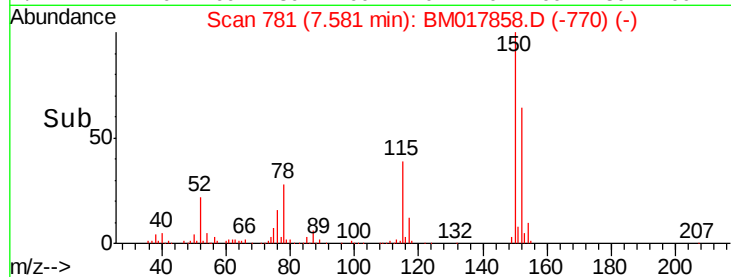
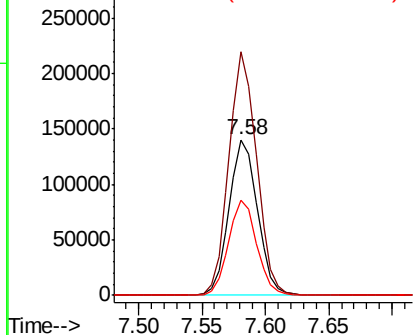


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

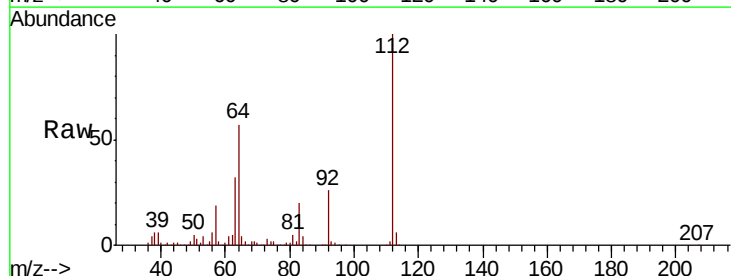
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 52.020 ng  
RT: 5.21 min Scan# 378  
Delta R.T. -0.03 min  
Lab File: BM017858.D  
Acq: 01 Dec 2018 15:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.1  | 49.3  | 73.9  |
| 63      | 31.6  | 26.2  | 39.4  |

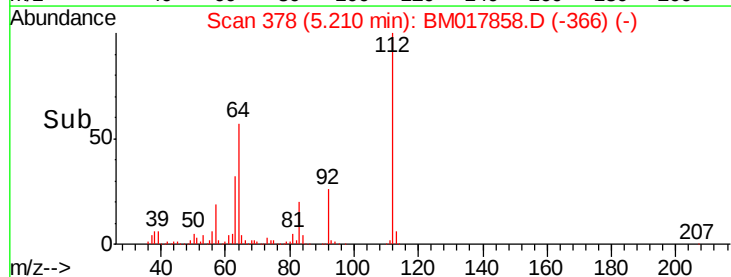
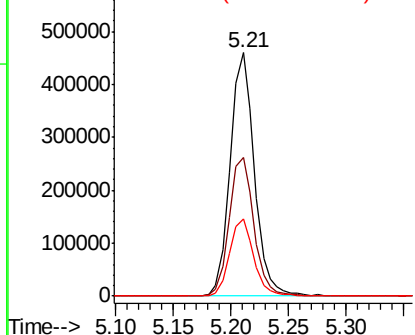


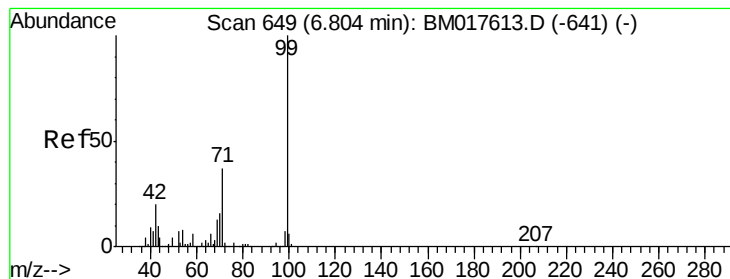
Abundance

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: 29.890 ng

RT: 6.77 min Scan# 643

Delta R.T. -0.04 min

Lab File: BM017858.D

Acq: 01 Dec 2018 15:57

Instrument :

BNA\_M

ClientSampleId :

MW-7

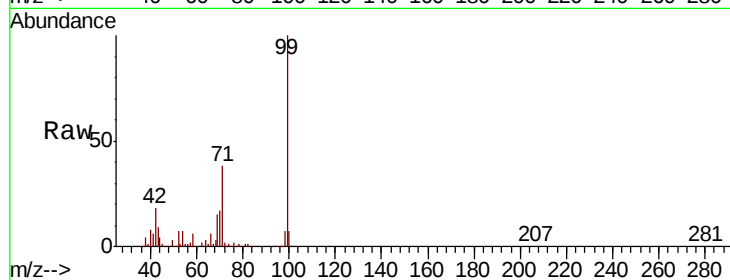
Tgt Ion: 99 Resp: 537475

Ion Ratio Lower Upper

99 100

42 18.3 16.3 24.5

71 38.3 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) (-)

6.77

400000

300000

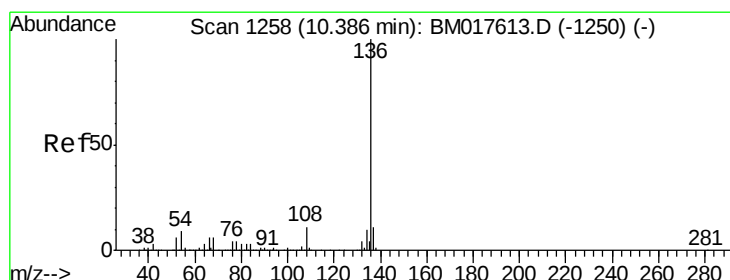
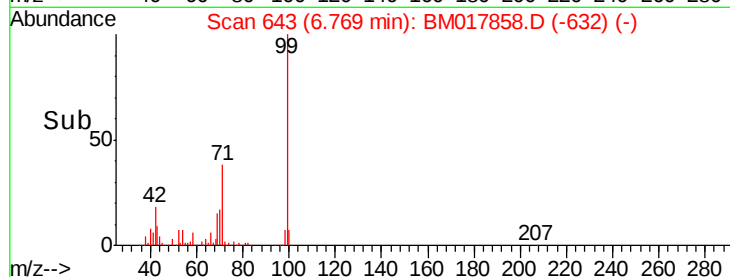
200000

100000

0

6.70 6.75 6.80 6.85

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1252

Delta R.T. -0.04 min

Lab File: BM017858.D

Acq: 01 Dec 2018 15:57

Tgt Ion: 136 Resp: 880866

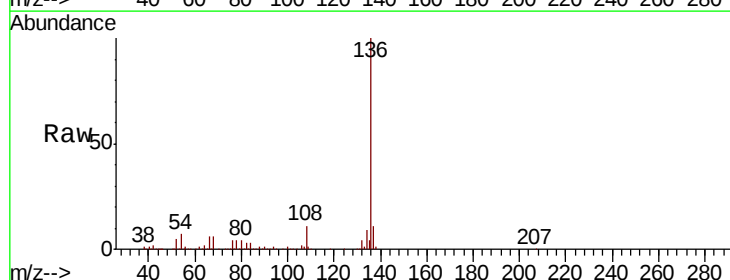
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 7.0 7.0 10.6

68 5.6 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) (-)

10.35

600000

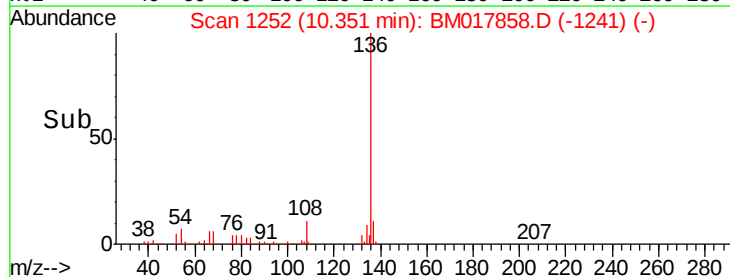
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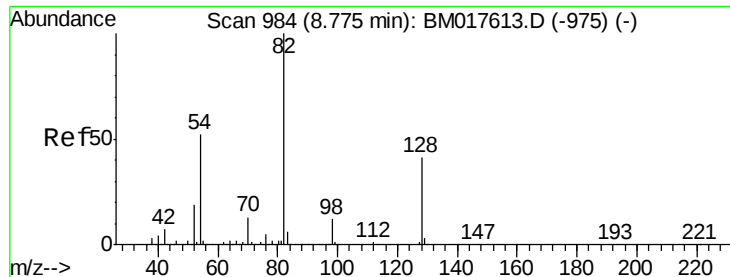
200000

0

10.30 10.40

Time-->

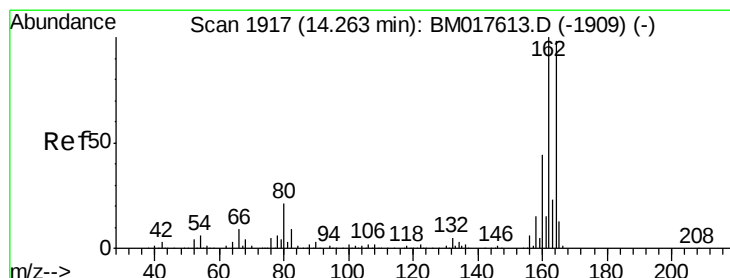
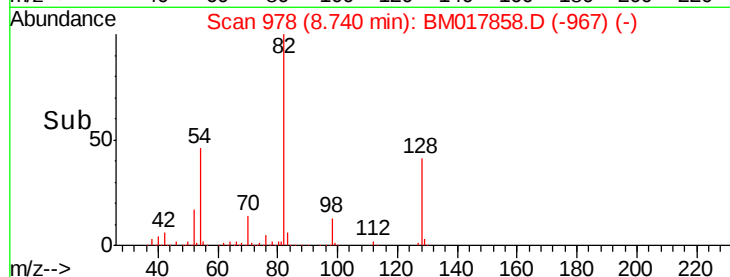
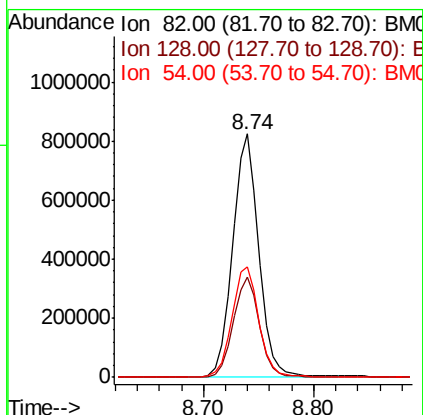
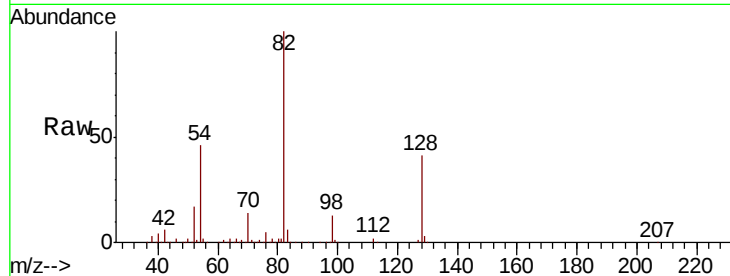




#23  
 Nitrobenzene-d5  
 Concen: 80.232 ng  
 RT: 8.74 min Scan# 978  
 Delta R.T. -0.04 min  
 Lab File: BM017858.D  
 Acq: 01 Dec 2018 15:57

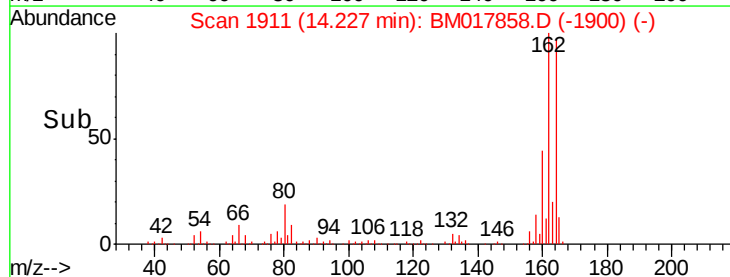
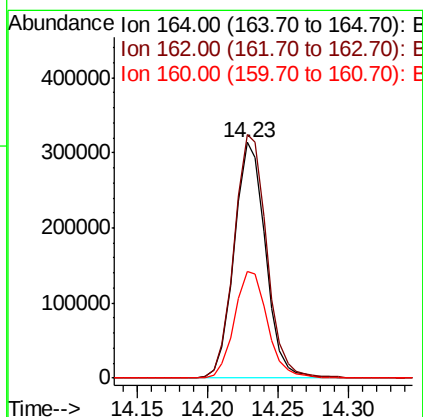
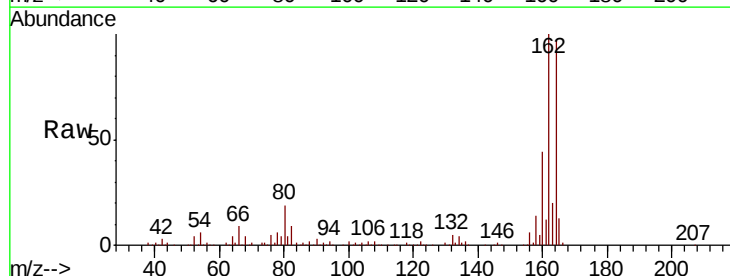
Instrument :  
 BNA\_M  
 ClientSampled :  
 MW-7

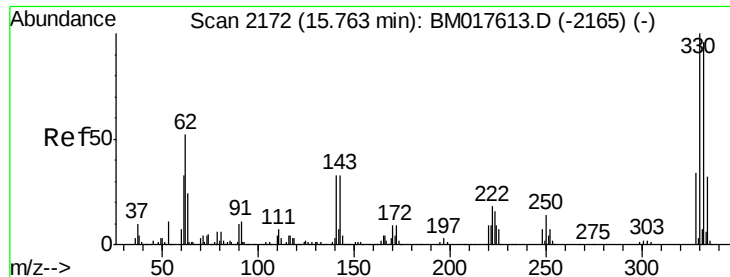
Tgt Ion: 82 Resp: 1368975  
 Ion Ratio Lower Upper  
 82 100  
 128 41.1 33.0 49.4  
 54 45.5 41.4 62.2



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.23 min Scan# 1911  
 Delta R.T. -0.04 min  
 Lab File: BM017858.D  
 Acq: 01 Dec 2018 15:57

Tgt Ion: 164 Resp: 487331  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 81.4 122.0  
 160 45.1 35.6 53.4

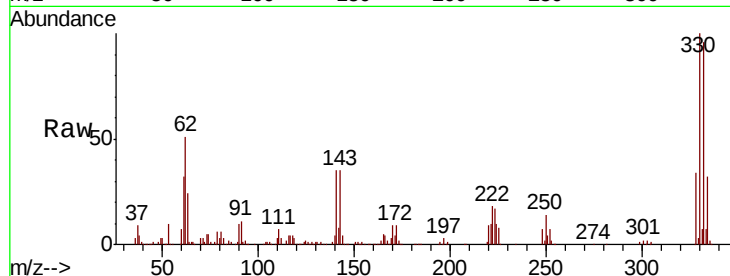




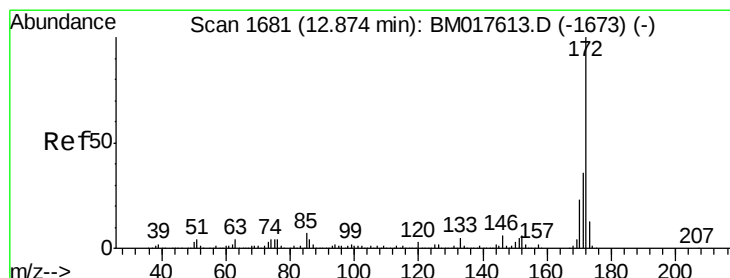
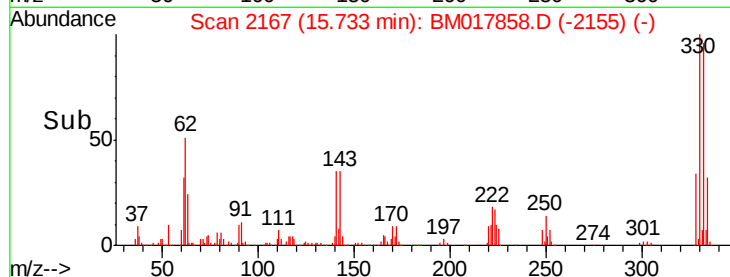
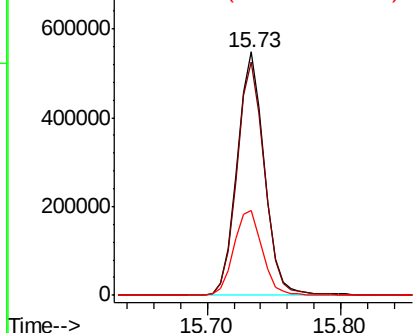
#42  
 2,4,6-Tribromophenol  
 Concen: 110.872 ng  
 RT: 15.73 min Scan# 2167  
 Delta R.T. -0.03 min  
 Lab File: BM017858.D  
 Acq: 01 Dec 2018 15:57

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-7

Tgt Ion:330 Resp: 776353  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.9 116.9  
 141 36.8 27.5 41.3

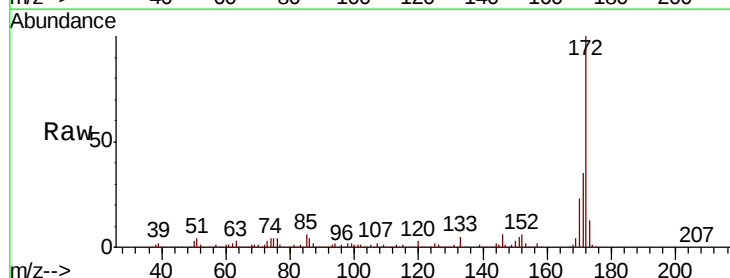


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

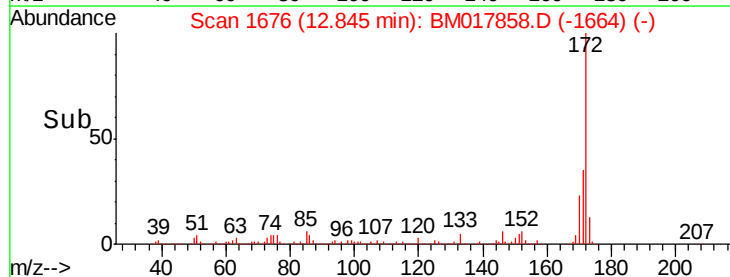
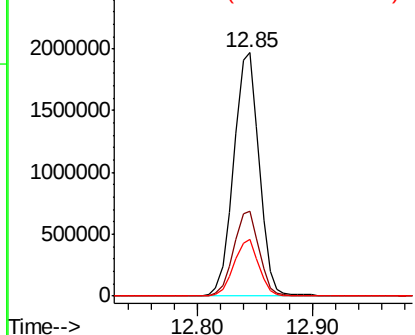


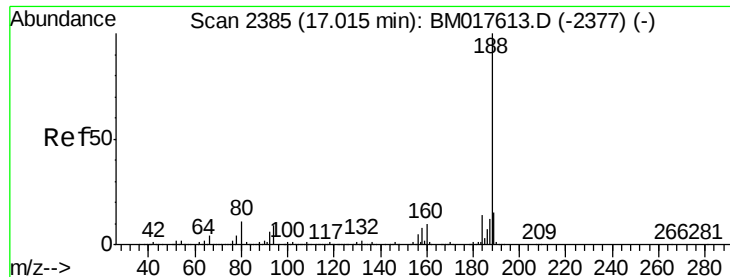
#45  
 2-Fluorobiphenyl  
 Concen: 80.322 ng  
 RT: 12.85 min Scan# 1676  
 Delta R.T. -0.03 min  
 Lab File: BM017858.D  
 Acq: 01 Dec 2018 15:57

Tgt Ion:172 Resp: 3017214  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.7 43.1  
 170 23.0 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

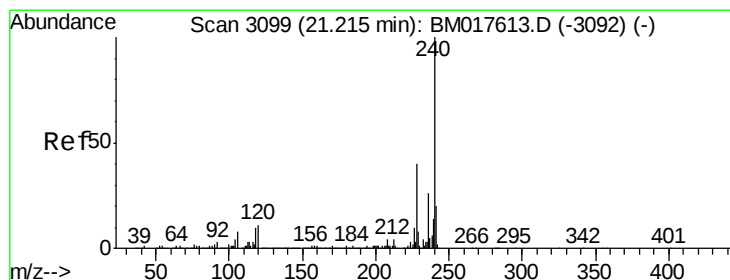
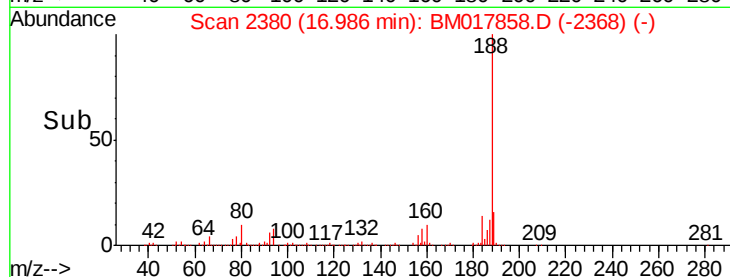
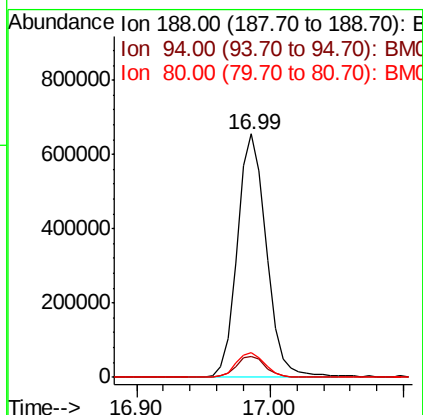
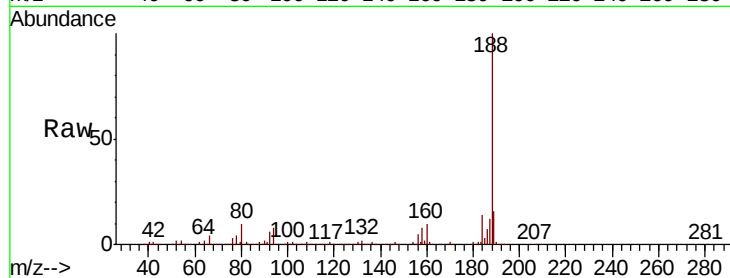




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2380  
Delta R.T. -0.03 min  
Lab File: BM017858.D  
Acq: 01 Dec 2018 15:57

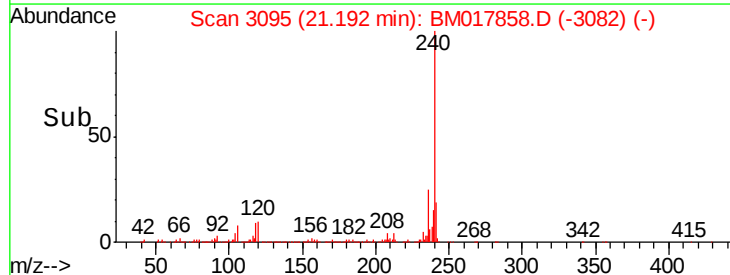
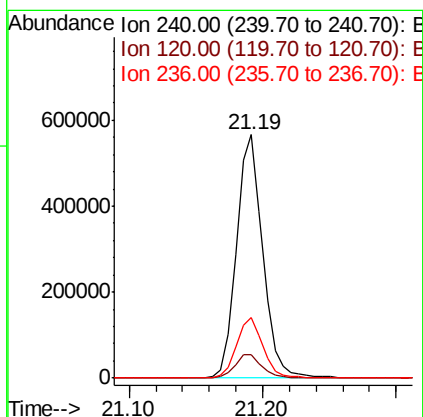
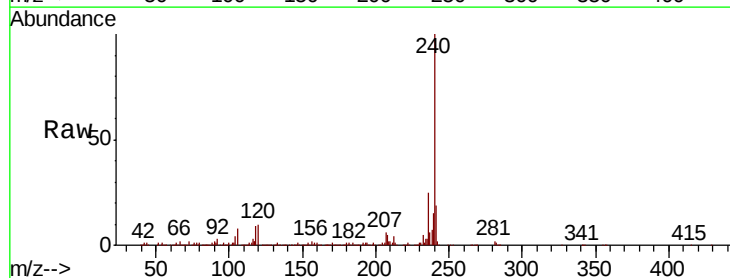
Instrument :  
BNA\_M  
ClientSampleId :  
MW-7

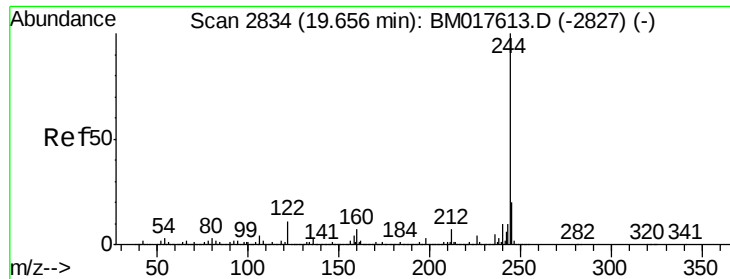
Tgt Ion:188 Resp: 988431  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.5 11.3  
80 10.3 8.6 13.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.19 min Scan# 3095  
Delta R.T. -0.02 min  
Lab File: BM017858.D  
Acq: 01 Dec 2018 15:57

Tgt Ion:240 Resp: 770555  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.5 12.7  
236 25.0 20.4 30.6





#79

Terphenyl-d14

Concen: 105.167 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017858.D

Acq: 01 Dec 2018 15:57

Instrument :

BNA\_M

ClientSampleId :

MW-7

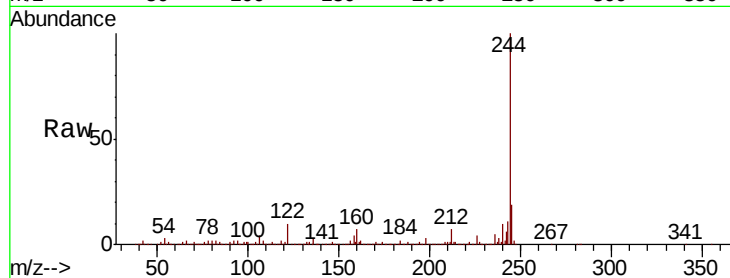
Tgt Ion:244 Resp: 3575540

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

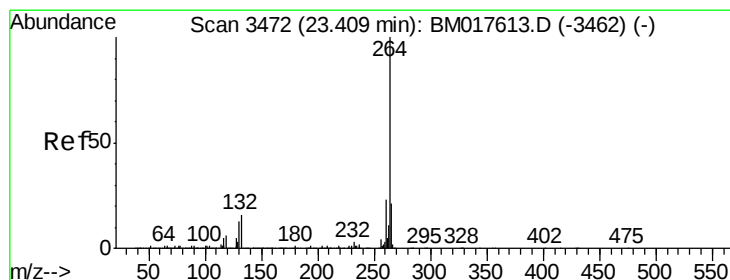
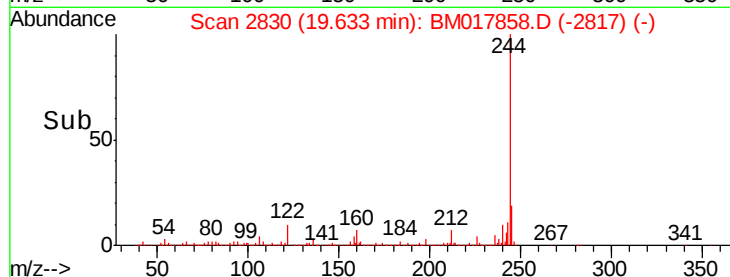
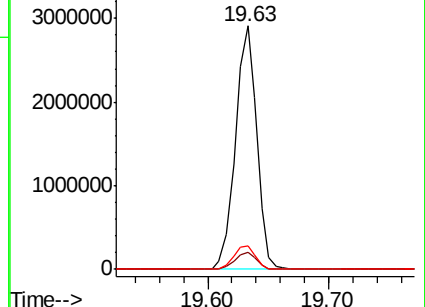
122 9.8 9.0 13.6



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: 23.37 min Scan# 3466

Delta R.T. -0.04 min

Lab File: BM017858.D

Acq: 01 Dec 2018 15:57

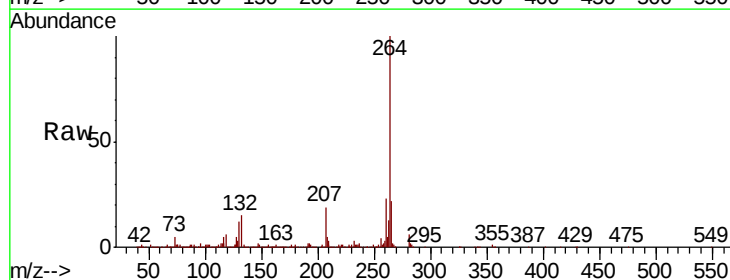
Tgt Ion:264 Resp: 774518

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 22.2 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

