

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120418\  
 Data File : BM017885.D  
 Acq On : 03 Dec 2018 21:54  
 Operator : JU/SJ  
 Sample : J6149-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OWS-2

Quant Time: Dec 04 06:57:37 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  | 176878   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.35 | 136  | 726694   | 20.00  | ng    | -0.04    |
| 39) Acenaphthene-d10        | 14.23 | 164  | 420104   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 16.98 | 188  | 957389   | 20.00  | ng    | -0.04    |
| 76) Chrysene-d12            | 21.19 | 240  | 904066   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 23.37 | 264  | 781863   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1200290  | 114.52 | ng    | -0.03    |
| 7) Phenol-d6                | 6.77  | 99   | 1430568  | 97.73  | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 8.73  | 82   | 1119597  | 79.54  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 836852   | 138.64 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 12.84 | 172  | 2801801  | 86.52  | ng    | -0.04    |
| 79) Terphenyl-d14           | 19.63 | 244  | 4324134  | 108.40 | ng    | -0.02    |

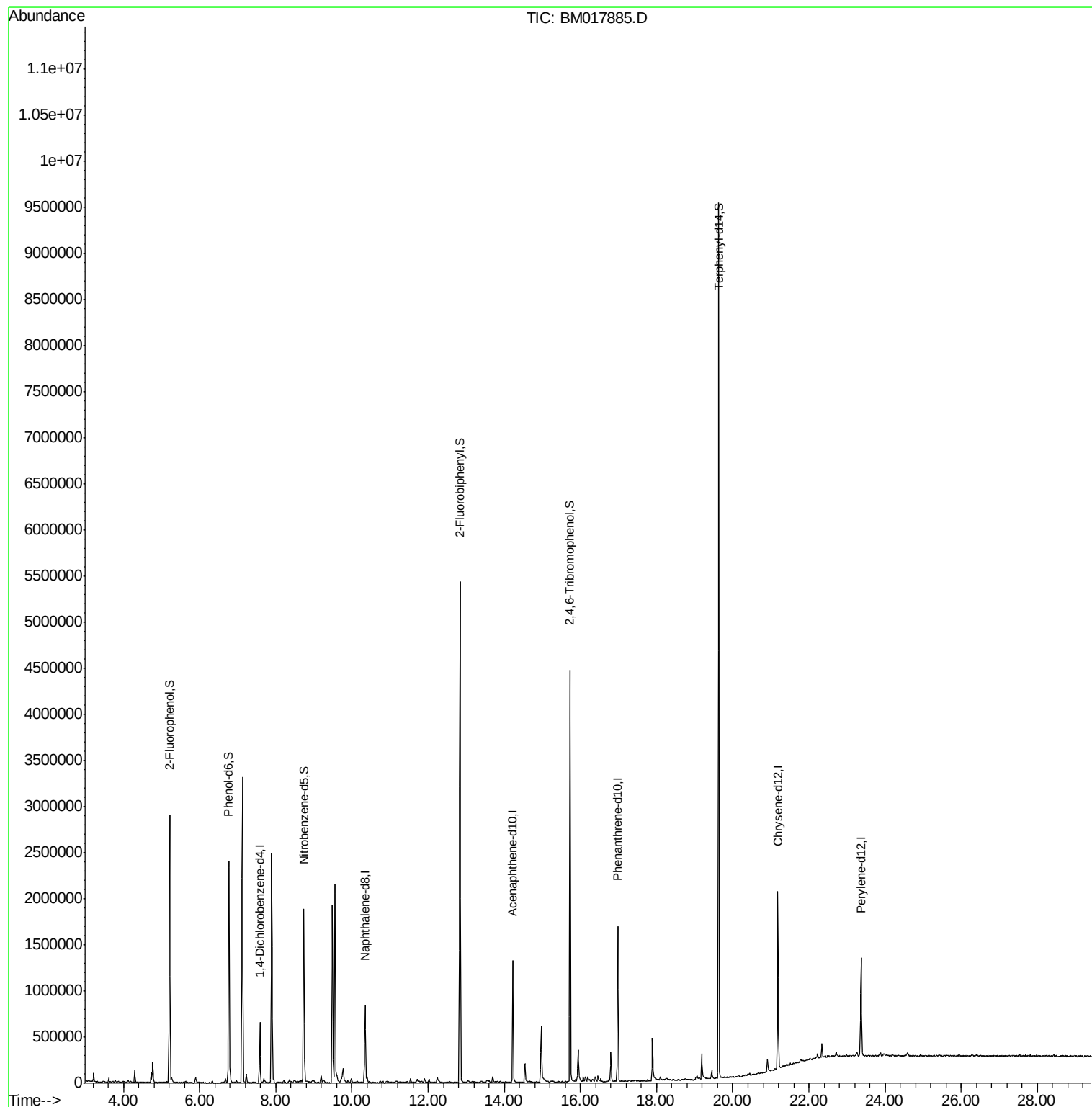
Target Compounds Qvalue

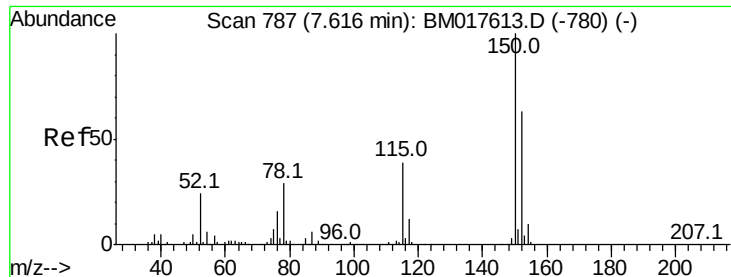
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
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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



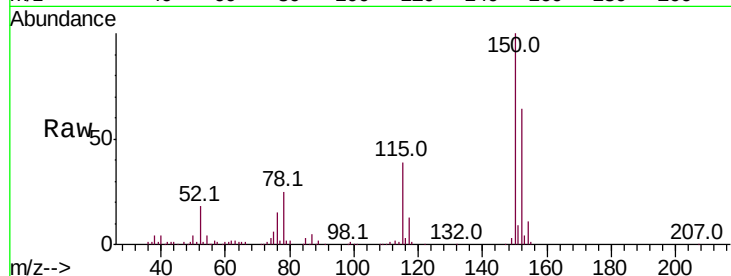


#1

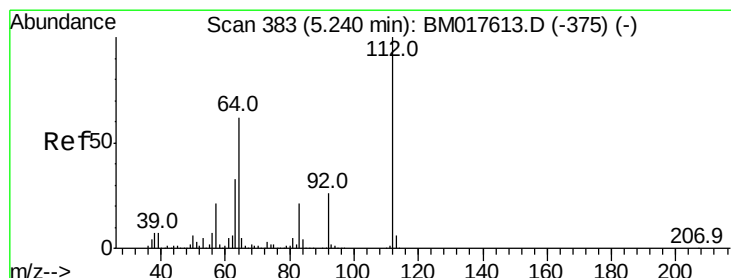
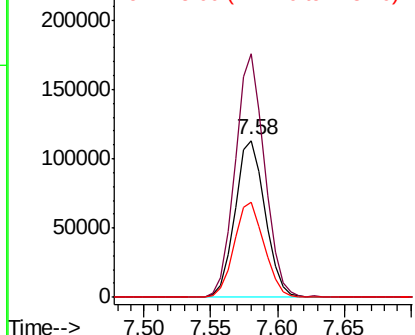
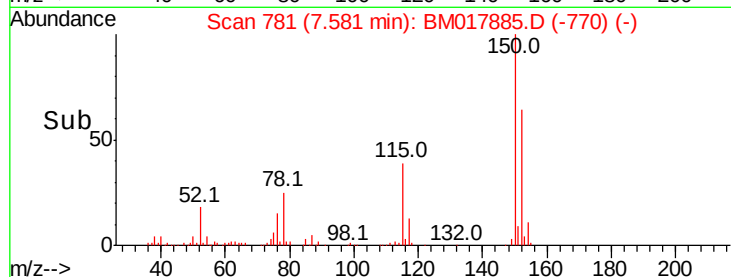
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.58 min Scan# 781  
Delta R.T. -0.04 min  
Lab File: BM017885.D  
Acq: 03 Dec 2018 21:54

Instrument :  
BNA\_M  
ClientSampleId :  
OWS-2

Tot Ion:152 Resp: 176878  
Ion Ratio Lower Upper  
152 100  
150 155.1 126.4 189.6  
115 60.5 49.4 74.0



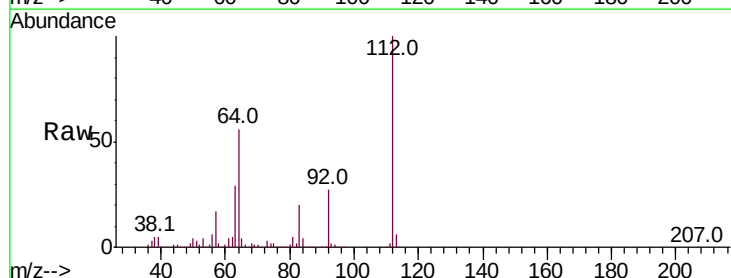
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



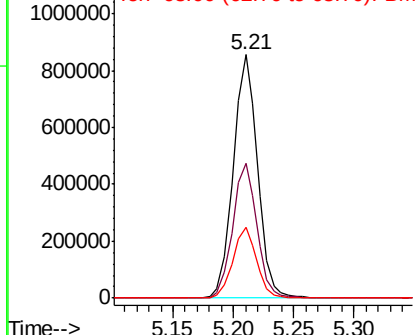
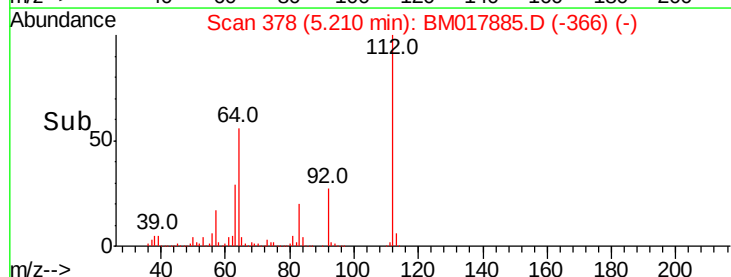
#5

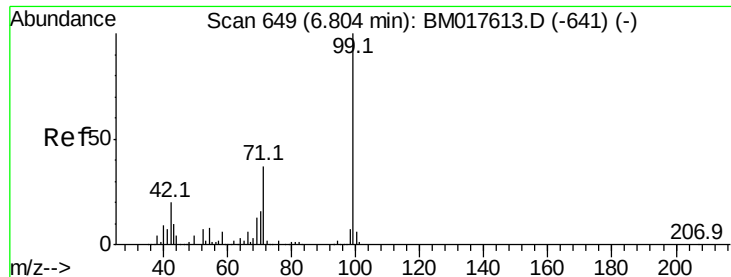
2-Fluorophenol  
Concen: 114.523 ng  
RT: 5.21 min Scan# 378  
Delta R.T. -0.03 min  
Lab File: BM017885.D  
Acq: 03 Dec 2018 21:54

Tgt Ion:112 Resp: 1200290  
Ion Ratio Lower Upper  
112 100  
64 55.6 49.3 73.9  
63 29.0 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: 97.731 ng

RT: 6.77 min Scan# 643

Delta R.T. -0.04 min

Lab File: BM017885.D

Acq: 03 Dec 2018 21:54

Instrument :

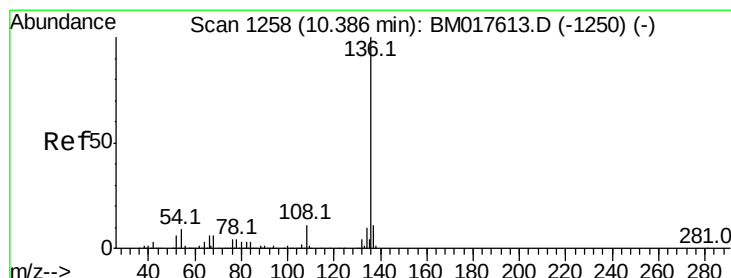
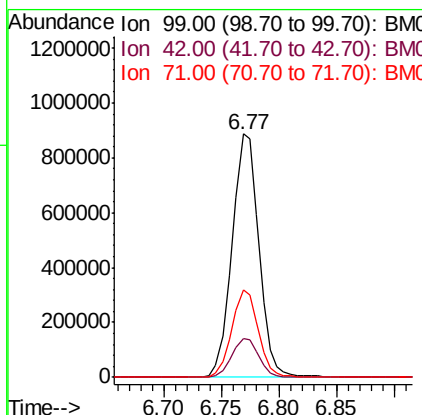
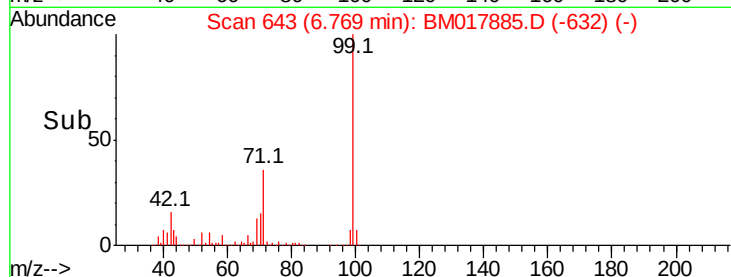
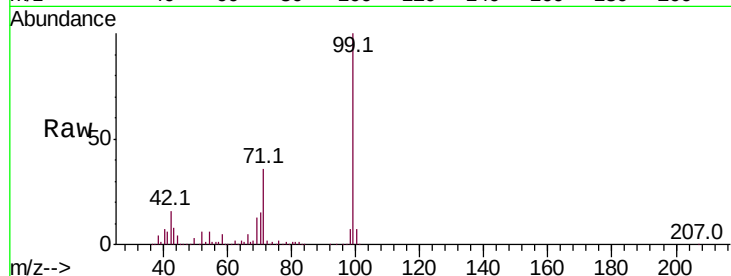
BNA\_M

ClientSampleId :

OWS-2

Tot Ion: 99 Resp: 1430568

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.1  | 16.3  | 24.5# |
| 71  | 35.8  | 29.8  | 44.8  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1251

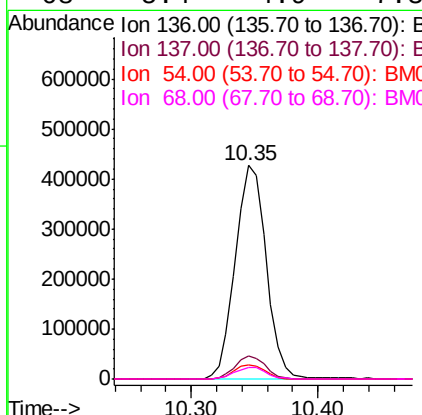
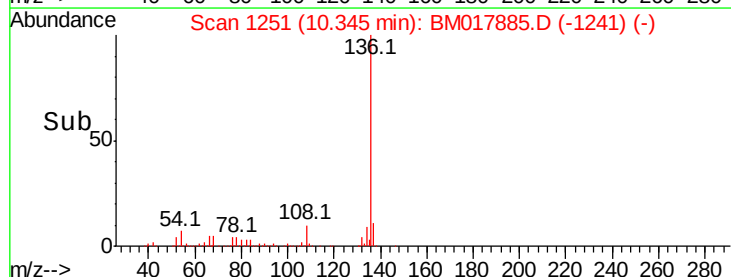
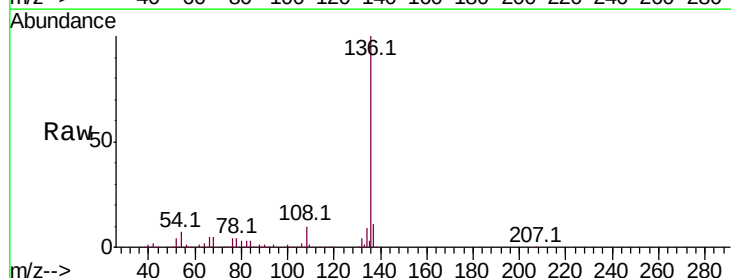
Delta R.T. -0.04 min

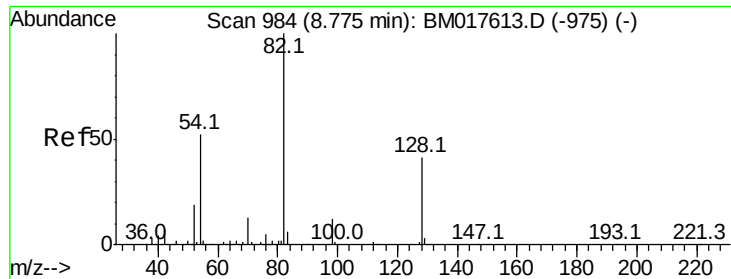
Lab File: BM017885.D

Acq: 03 Dec 2018 21:54

Tgt Ion: 136 Resp: 726694

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 12.8  |
| 54  | 6.9   | 7.0   | 10.6# |
| 68  | 5.4   | 4.9   | 7.3   |



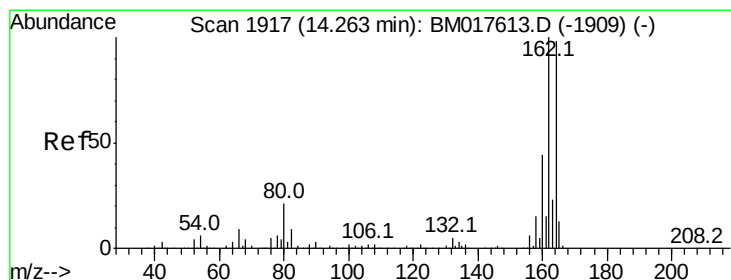
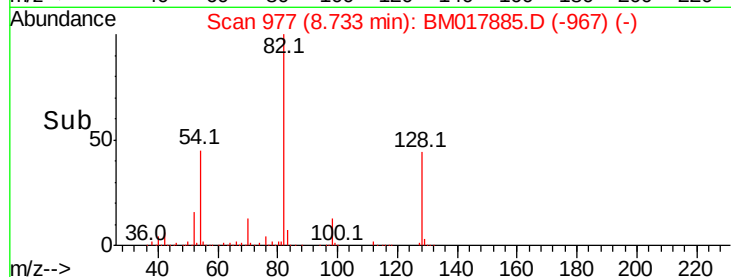
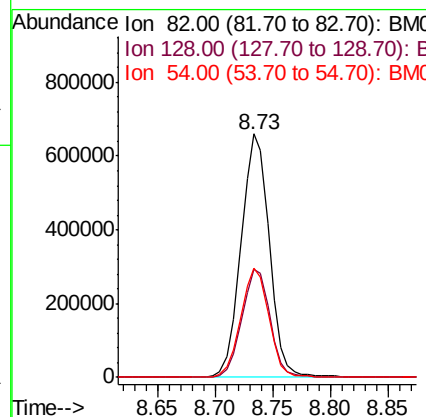
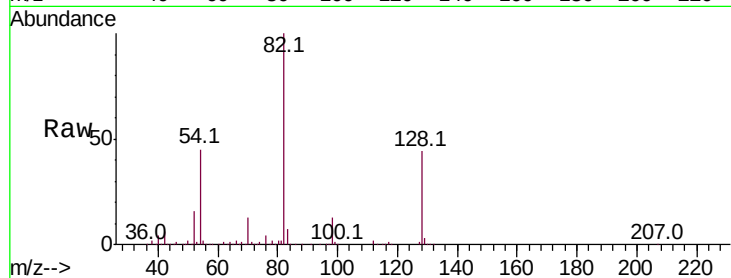


#23  
 Nitrobenzene-d5  
 Concen: 79.538 ng  
 RT: 8.73 min Scan# 977  
 Delta R.T. -0.04 min  
 Lab File: BM017885.D  
 Acq: 03 Dec 2018 21:54

Instrument :  
 BNA\_M  
 ClientSampleID :  
 OWS-2

Tot Ion: 82 Resp: 1119597  

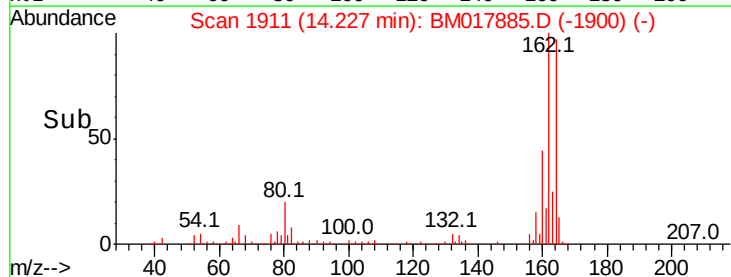
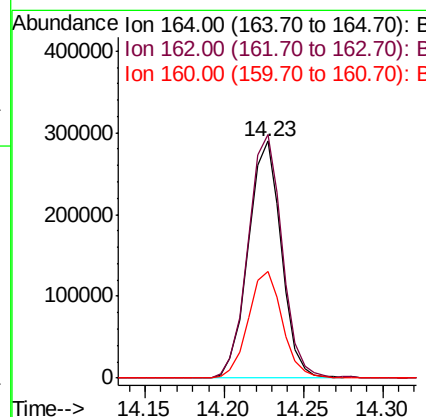
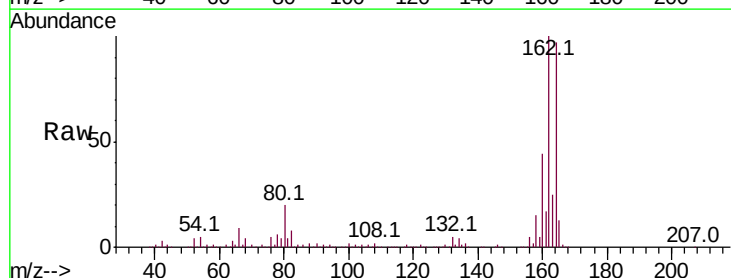
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.2  | 33.0  | 49.4  |
| 54  | 44.6  | 41.4  | 62.2  |

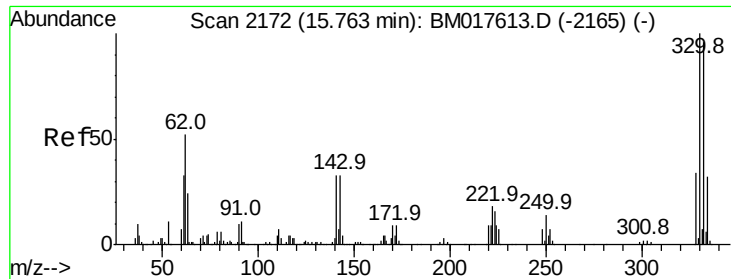


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.23 min Scan# 1911  
 Delta R.T. -0.04 min  
 Lab File: BM017885.D  
 Acq: 03 Dec 2018 21:54

Tgt Ion: 164 Resp: 420104  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.9 | 81.4  | 122.0 |
| 160 | 44.9  | 35.6  | 53.4  |

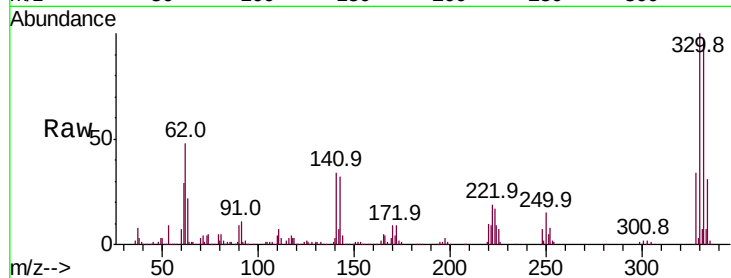




#42  
 2,4,6-Tribromophenol  
 Concen: 138.637 ng  
 RT: 15.73 min Scan# 2166  
 Delta R.T. -0.04 min  
 Lab File: BM017885.D  
 Acq: 03 Dec 2018 21:54

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OWS-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.9  | 116.9 |
| 141     | 32.8  | 27.5  | 41.3  |

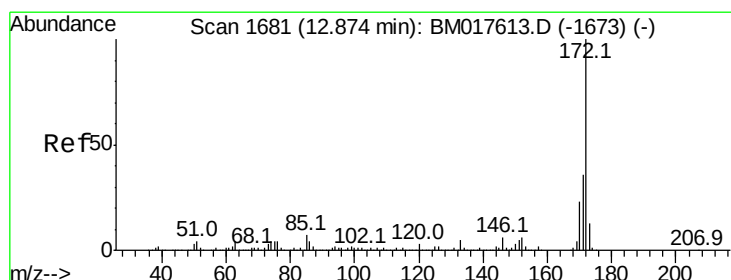
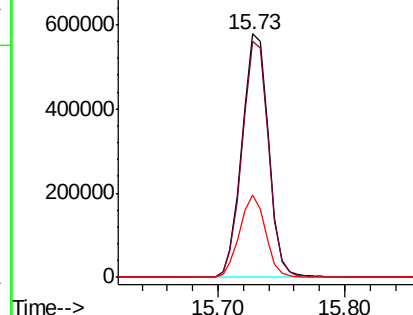
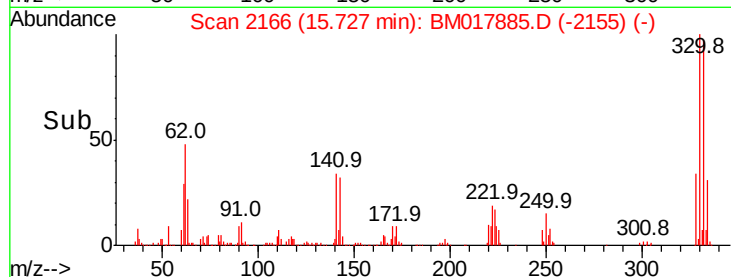


Abundance

Ion 329.80 (329.50 to 330.50): E

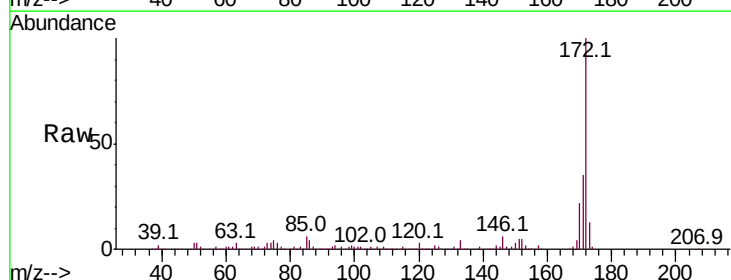
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 86.523 ng  
 RT: 12.84 min Scan# 1675  
 Delta R.T. -0.04 min  
 Lab File: BM017885.D  
 Acq: 03 Dec 2018 21:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 28.7  | 43.1  |
| 170     | 22.5  | 18.3  | 27.5  |

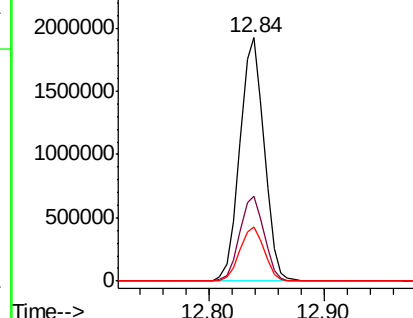
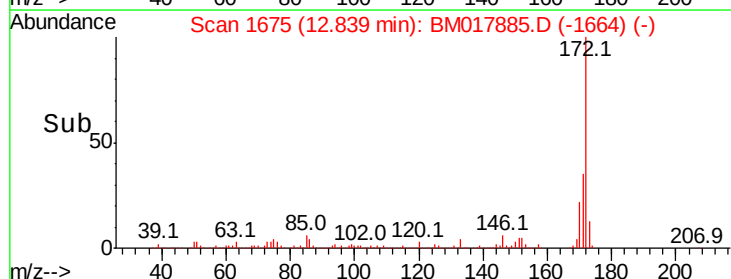


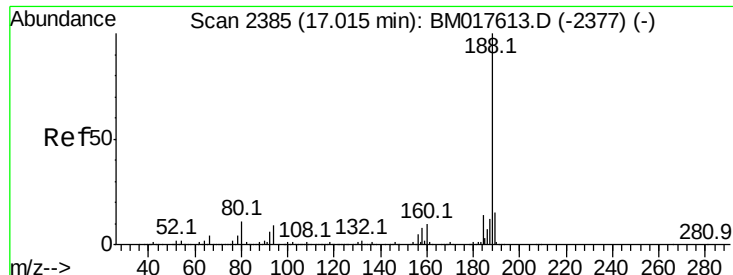
Abundance

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

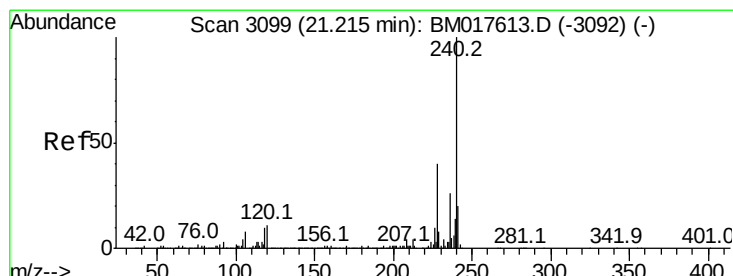
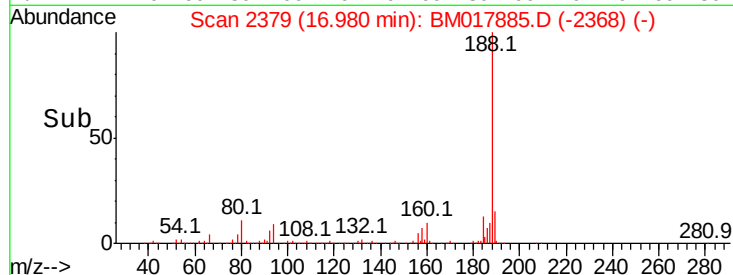
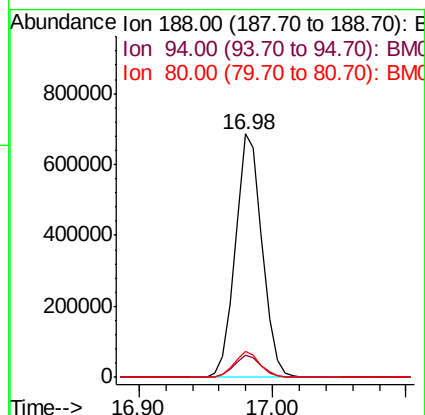
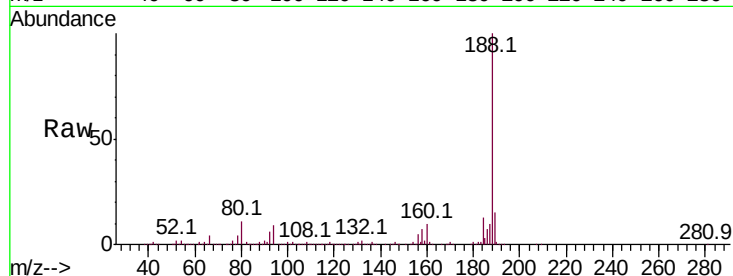




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.98 min Scan# 2379  
Delta R.T. -0.04 min  
Lab File: BM017885.D  
Acq: 03 Dec 2018 21:54

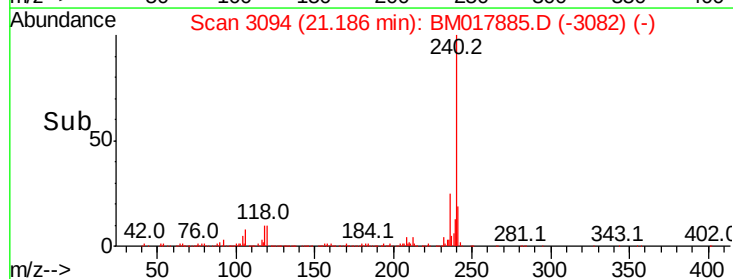
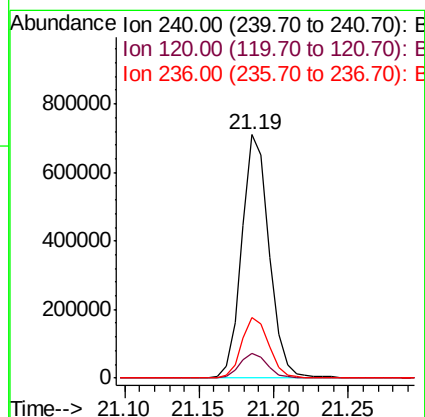
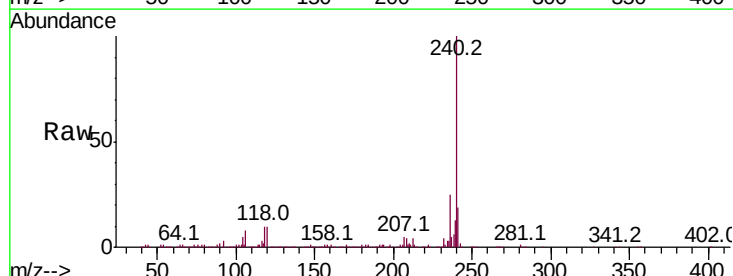
Instrument :  
BNA\_M  
ClientSampleId :  
OWS-2

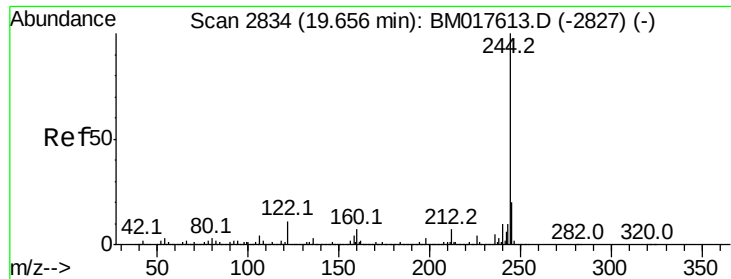
Tot Ion:188 Resp: 957389  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.5 11.3  
80 10.6 8.6 13.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.19 min Scan# 3094  
Delta R.T. -0.03 min  
Lab File: BM017885.D  
Acq: 03 Dec 2018 21:54

Tgt Ion:240 Resp: 904066  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.5 12.7  
236 24.8 20.4 30.6





#79

Terphenyl-d14

Concen: 108.403 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017885.D

Acq: 03 Dec 2018 21:54

Instrument :

BNA\_M

ClientSampleId :

OWS-2

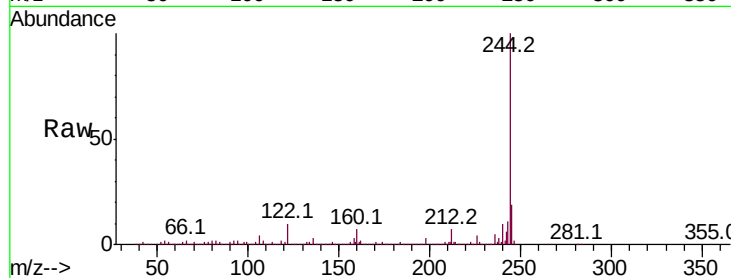
Tot Ion:244 Resp: 4324134

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

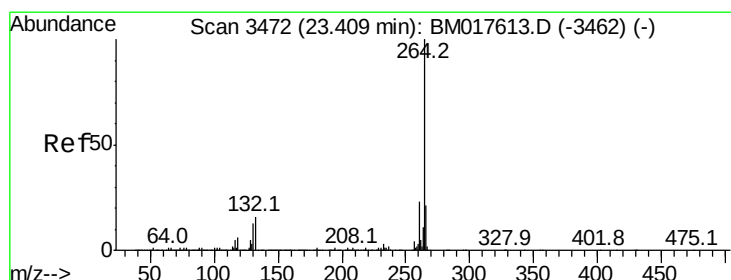
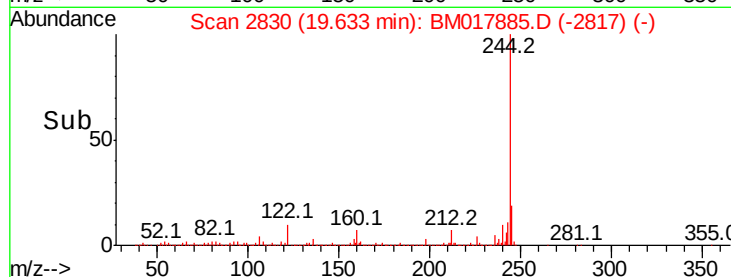
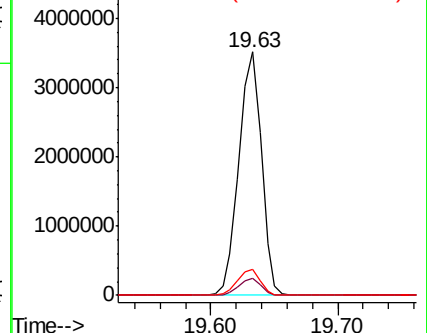
122 10.5 9.0 13.6



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# 3465

Delta R.T. -0.04 min

Lab File: BM017885.D

Acq: 03 Dec 2018 21:54

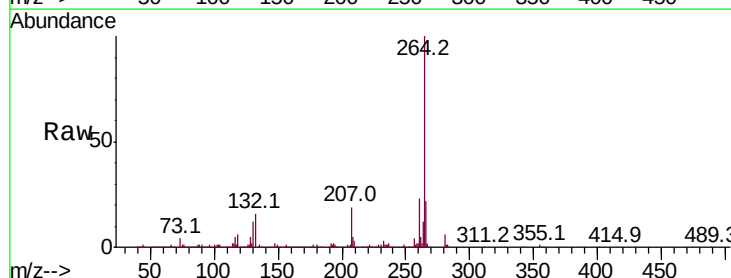
Tgt Ion:264 Resp: 781863

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

265 21.8 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

