

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111618\  
 Data File : BM017678.D  
 Acq On : 16 Nov 2018 13:42  
 Operator : MJ/SJ  
 Sample : J5959-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Nov 16 15:52:51 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   | 7.61  | 152  | 200023   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.38 | 136  | 814686   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.26 | 164  | 488217   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.01 | 188  | 1177781  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.21 | 240  | 1400154  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 23.40 | 264  | 1338687  | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 390931   | 32.98 | ng    | 0.00     |
| 7) Phenol-d6                | 6.79  | 99   | 299926   | 18.12 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.76  | 82   | 1453054  | 92.08 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.76 | 330  | 552044   | 78.69 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.87 | 172  | 3435750  | 91.30 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.66 | 244  | 4905579  | 79.41 | ng    | 0.00     |

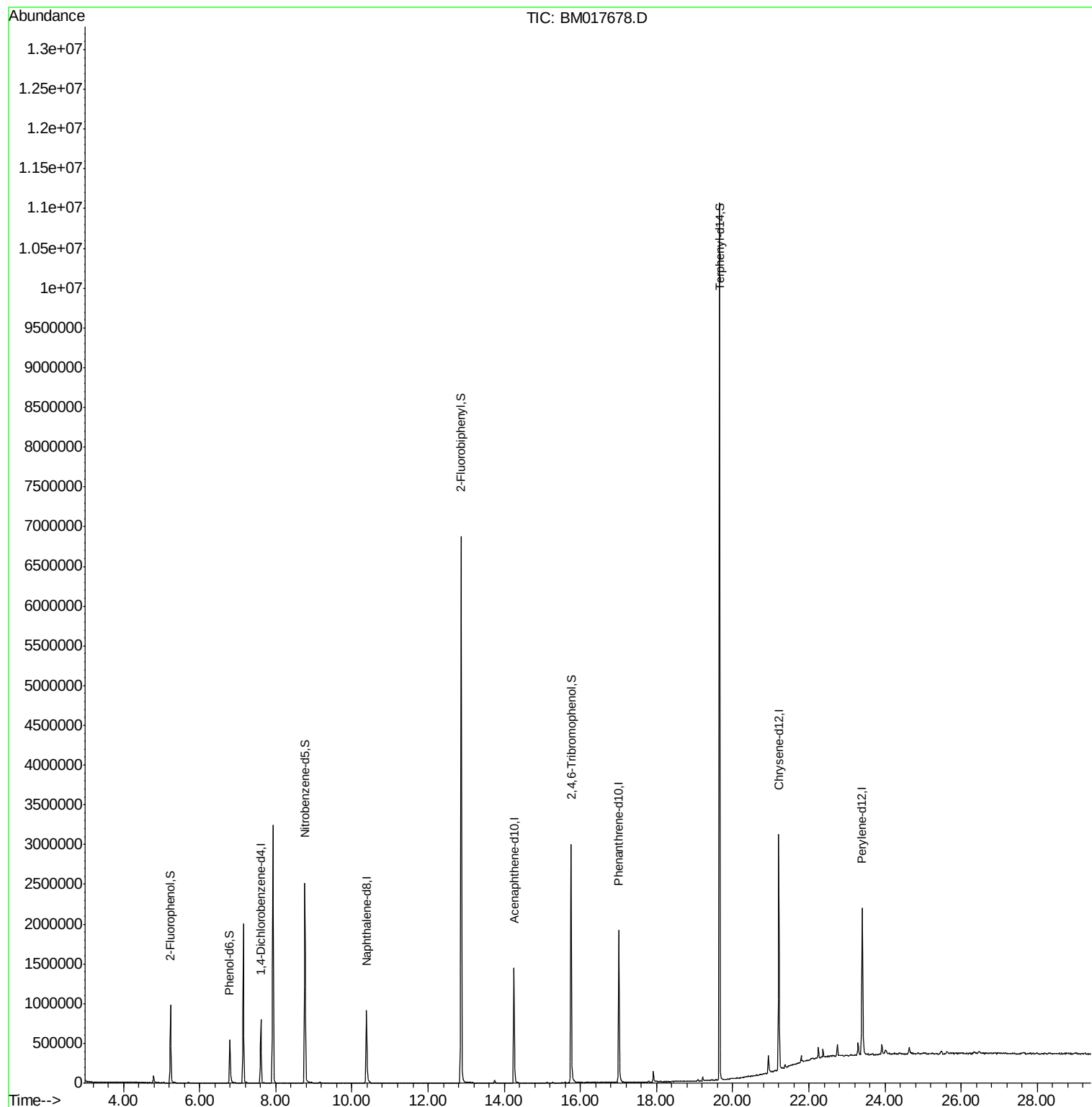
Target Compounds Qvalue

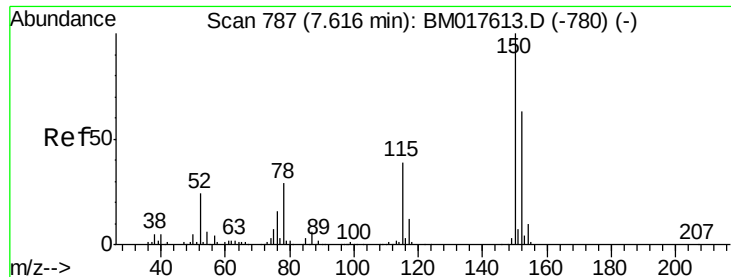
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Nov 16 15:52:51 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



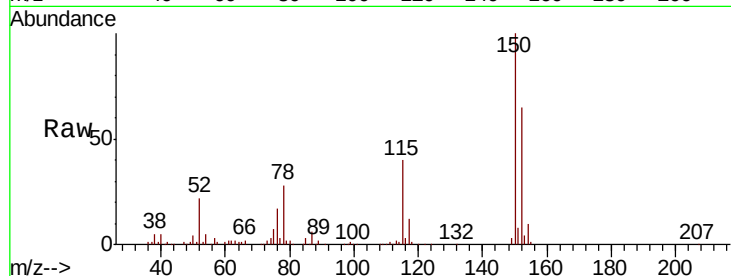


#1

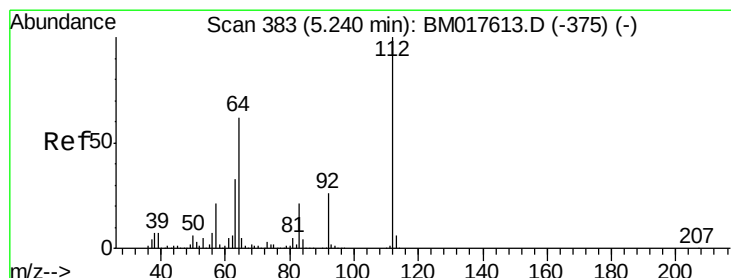
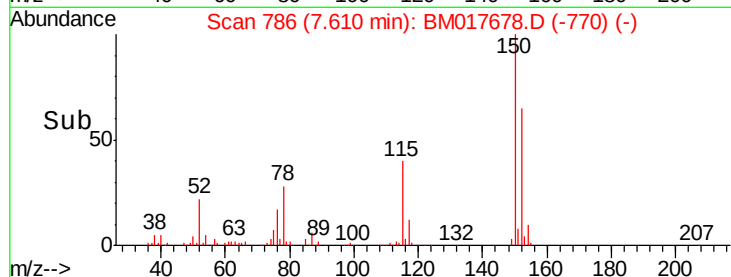
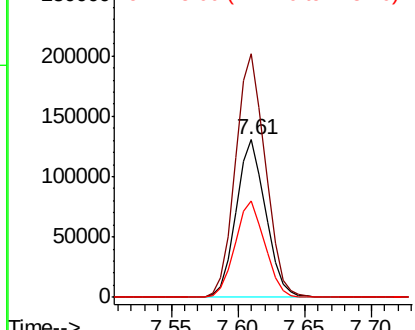
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.61 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BM017678.D  
Acq: 16 Nov 2018 13:42

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 200023  
Ion Ratio Lower Upper  
152 100  
150 154.7 126.4 189.6  
115 61.5 49.4 74.0



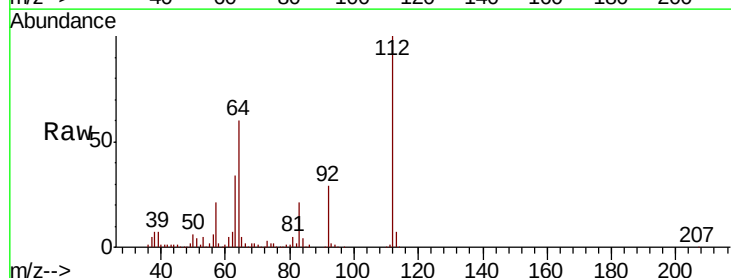
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



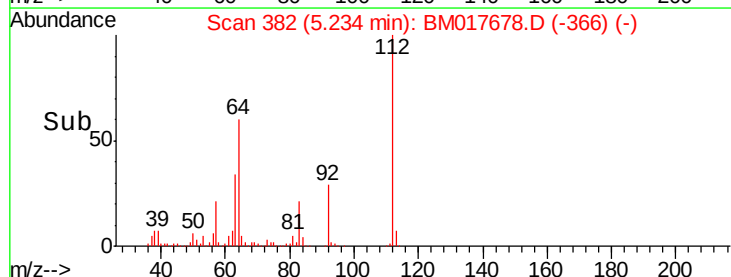
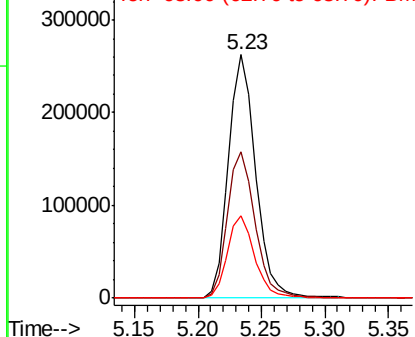
#5

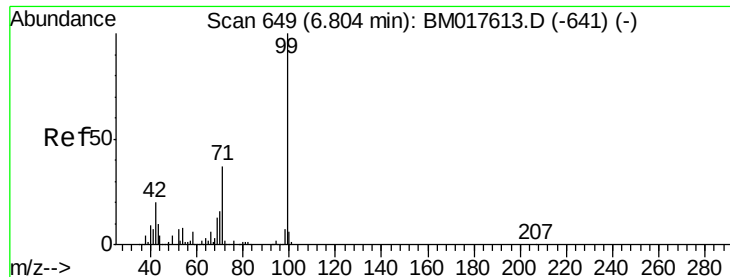
2-Fluorophenol  
Concen: 32.984 ng  
RT: 5.23 min Scan# 382  
Delta R.T. -0.01 min  
Lab File: BM017678.D  
Acq: 16 Nov 2018 13:42

Tgt Ion:112 Resp: 390931  
Ion Ratio Lower Upper  
112 100  
64 60.0 49.3 73.9  
63 33.8 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: 18.119 ng

RT: 6.79 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM017678.D

Acq: 16 Nov 2018 13:42

Instrument :

BNA\_M

ClientSampled :

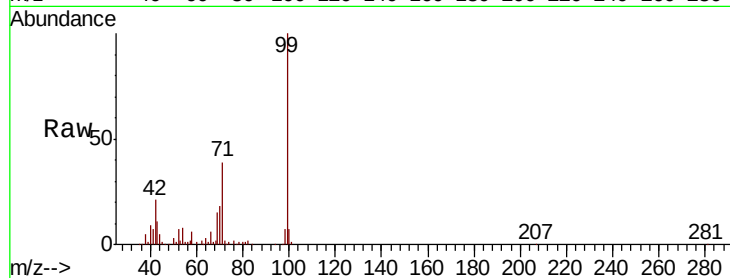
Tot Ion: 99 Resp: 299926

Ion Ratio Lower Upper

99 100

42 21.4 16.3 24.5

71 38.8 29.8 44.8

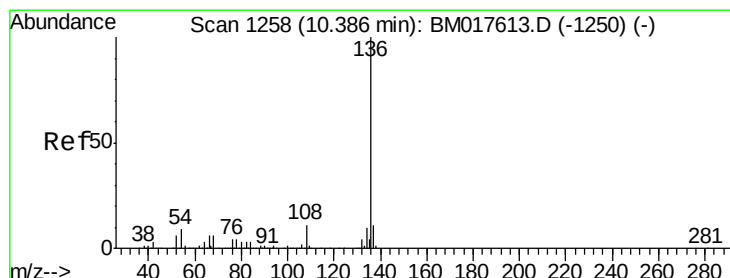
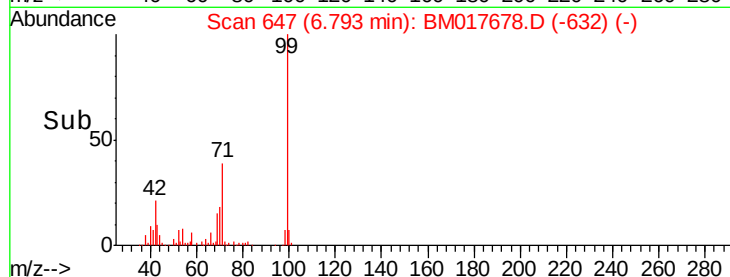
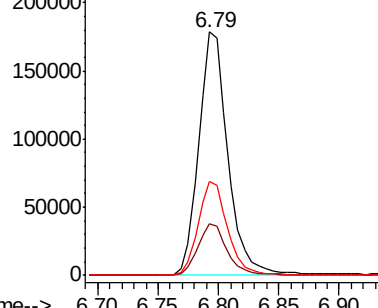


Abundance

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: 10.38 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BM017678.D

Acq: 16 Nov 2018 13:42

Tgt Ion: 136 Resp: 814686

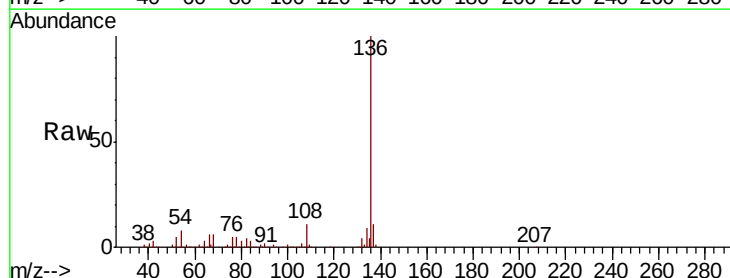
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 7.7 7.0 10.6

68 5.7 4.9 7.3



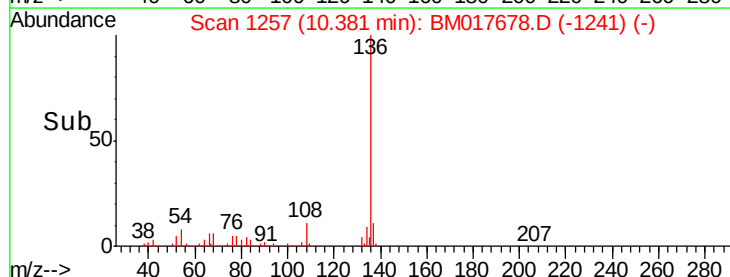
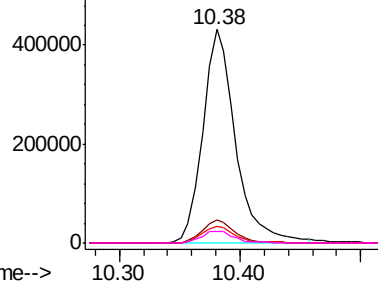
Abundance

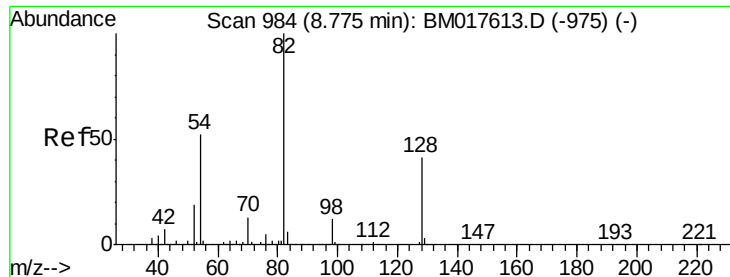
Ion 136.00 (135.70 to 136.70): BM017613.D (-1250) (-)

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) (-)

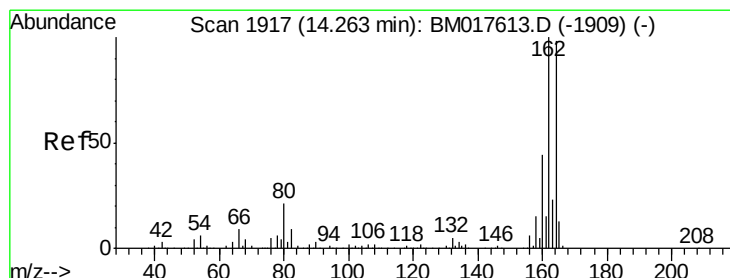
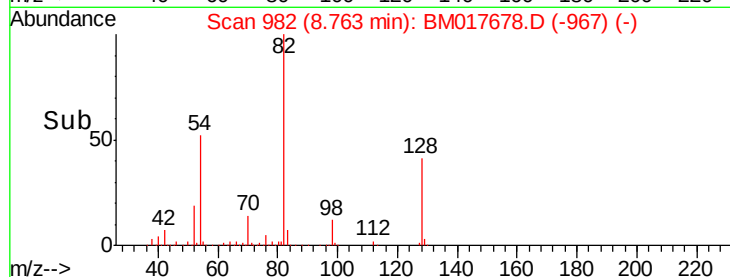
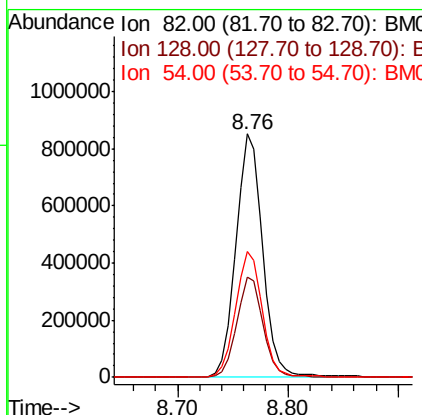
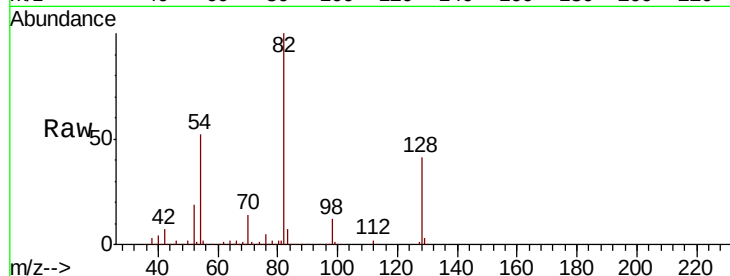




#23  
Nitrobenzene-d5  
Concen: 92.078 ng  
RT: 8.76 min Scan# 982  
Delta R.T. -0.01 min  
Lab File: BM017678.D  
Acq: 16 Nov 2018 13:42

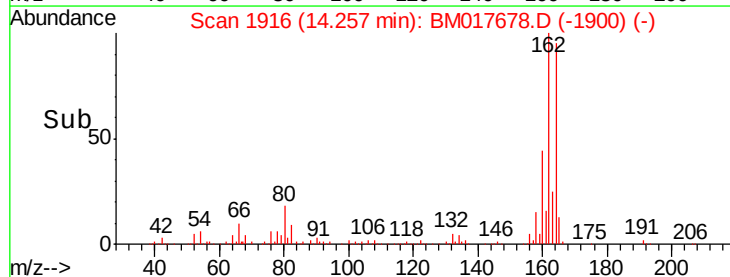
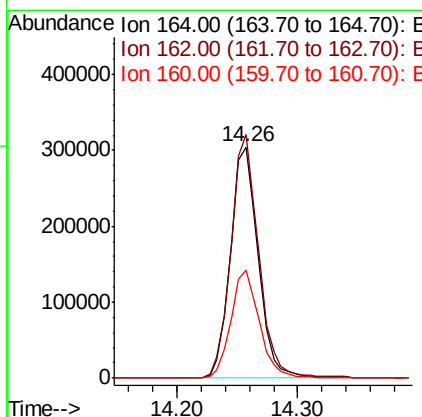
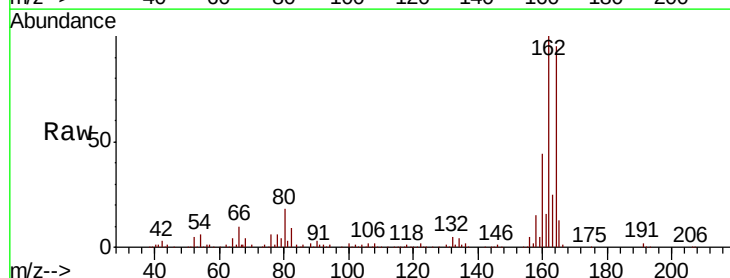
Instrument :  
BNA\_M  
ClientSampled :

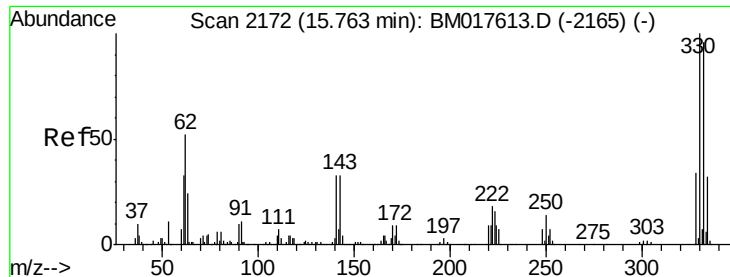
Tot Ion: 82 Resp: 1453054  
Ion Ratio Lower Upper  
82 100  
128 41.0 33.0 49.4  
54 51.8 41.4 62.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.26 min Scan# 1916  
Delta R.T. -0.01 min  
Lab File: BM017678.D  
Acq: 16 Nov 2018 13:42

Tgt Ion:164 Resp: 488217  
Ion Ratio Lower Upper  
164 100  
162 105.3 81.4 122.0  
160 46.5 35.6 53.4

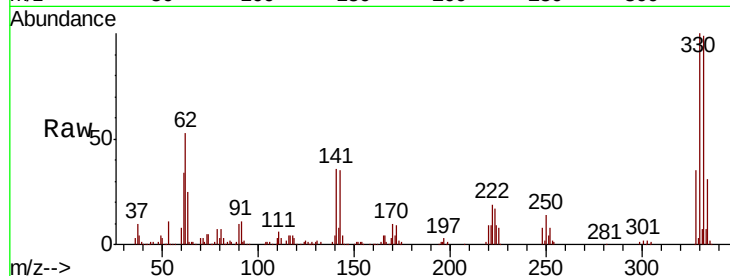




#42  
 2,4,6-Tribromophenol  
 Concen: 78.695 ng  
 RT: 15.76 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: BM017678.D  
 Acq: 16 Nov 2018 13:42

Instrument :  
 BNA\_M  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 77.9  | 116.9 |
| 141     | 38.4  | 27.5  | 41.3  |

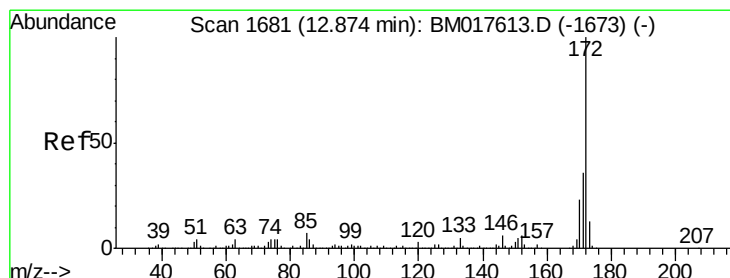
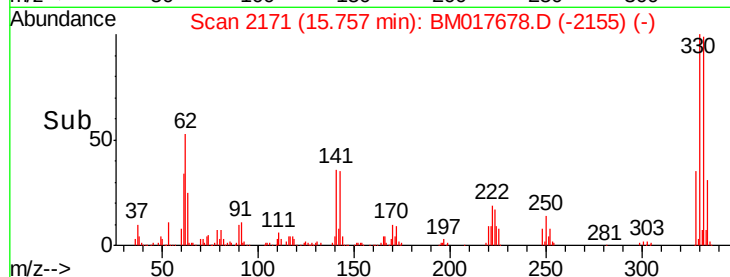
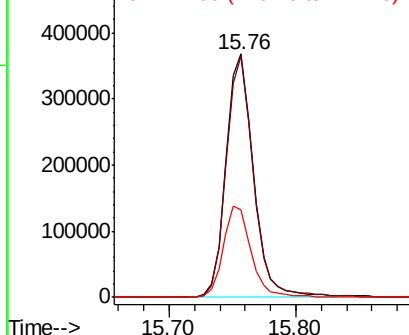


Abundance

Ion 329.80 (329.50 to 330.50): E

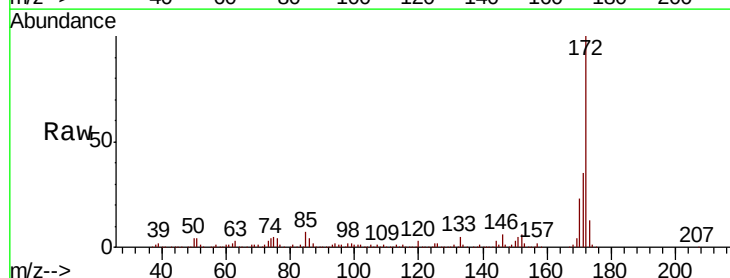
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 91.298 ng  
 RT: 12.87 min Scan# 1680  
 Delta R.T. -0.01 min  
 Lab File: BM017678.D  
 Acq: 16 Nov 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.7  | 43.1  |
| 170     | 22.9  | 18.3  | 27.5  |

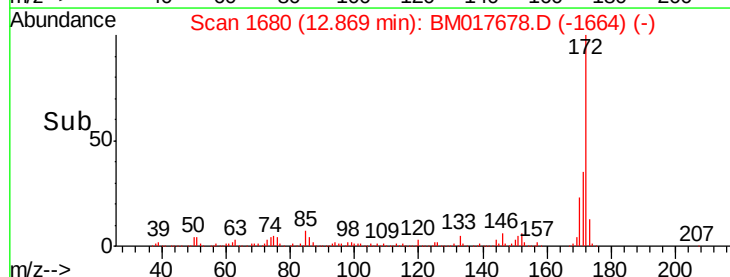
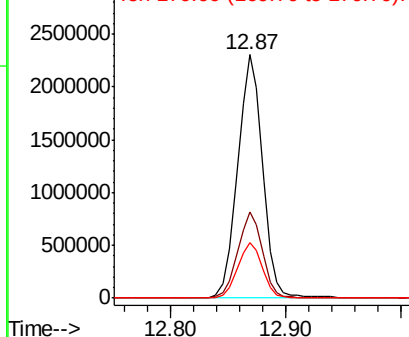


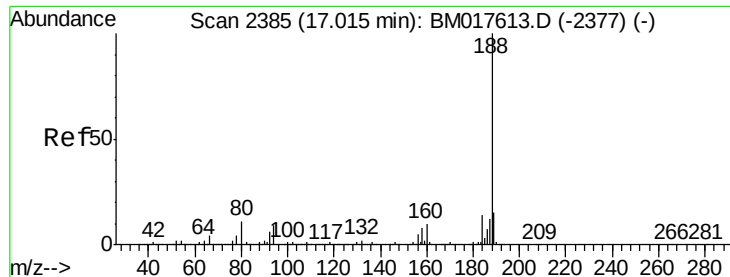
Abundance

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

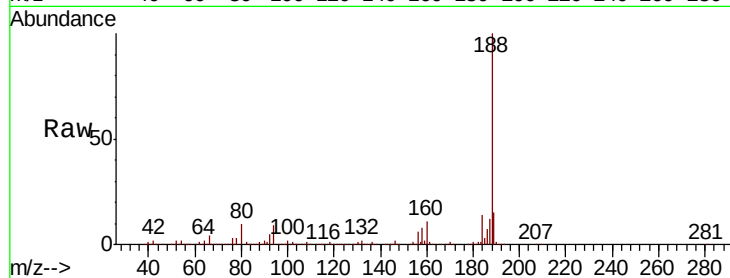




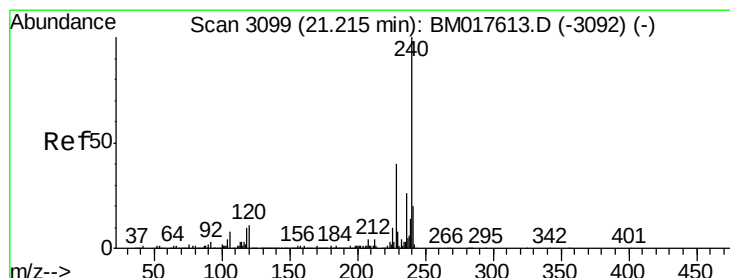
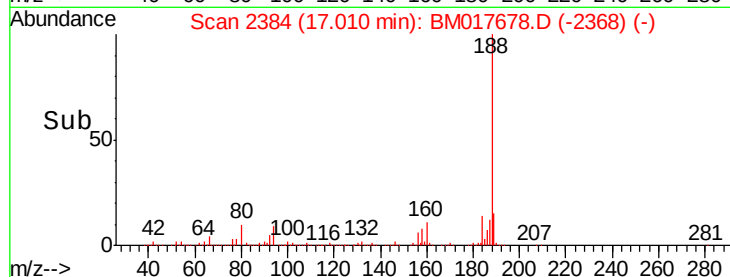
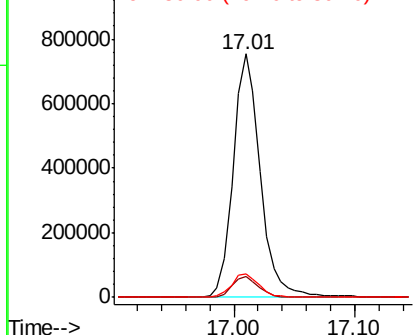
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.01 min Scan# 2384  
Delta R.T. -0.01 min  
Lab File: BM017678.D  
Acq: 16 Nov 2018 13:42

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:188 Resp: 1177781  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.5 11.3  
80 9.8 8.6 13.0

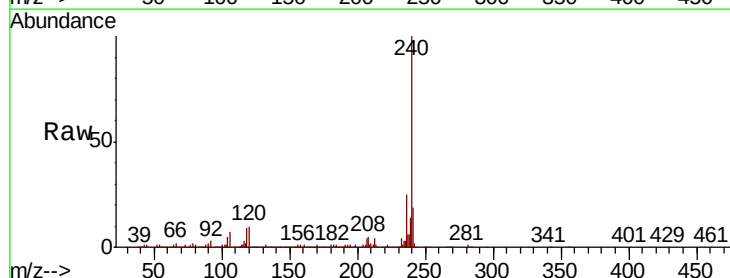


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

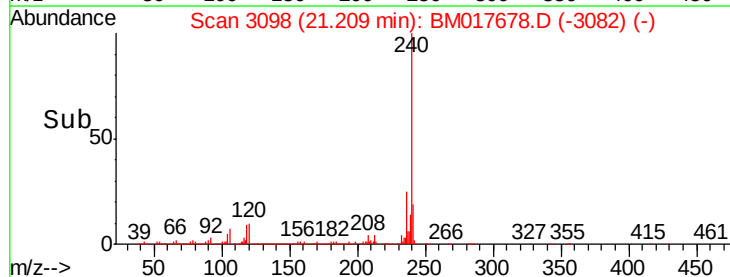
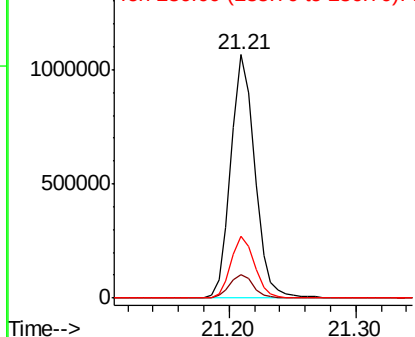


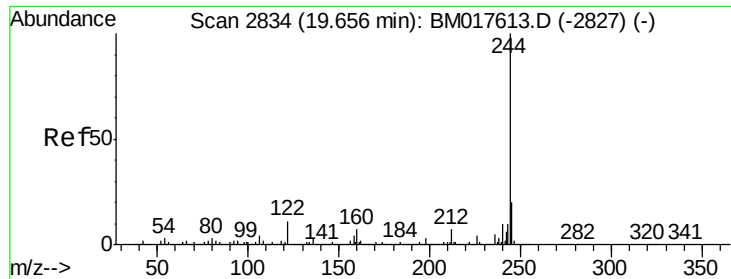
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.21 min Scan# 3098  
Delta R.T. -0.01 min  
Lab File: BM017678.D  
Acq: 16 Nov 2018 13:42

Tgt Ion:240 Resp: 1400154  
Ion Ratio Lower Upper  
240 100  
120 9.9 8.5 12.7  
236 25.2 20.4 30.6



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: 79.406 ng

RT: 19.66 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BM017678.D

Acq: 16 Nov 2018 13:42

Instrument :

BNA\_M

ClientSampled :

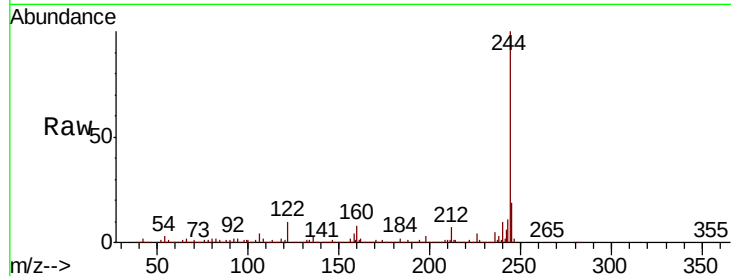
Tot Ion:244 Resp: 4905579

Ion Ratio Lower Upper

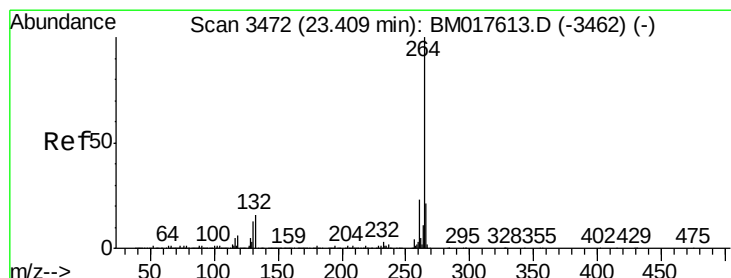
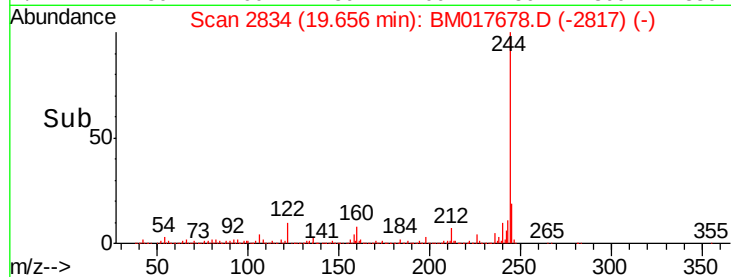
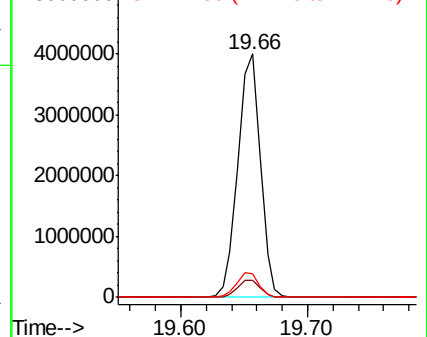
244 100

212 7.2 5.8 8.6

122 9.7 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: 23.40 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BM017678.D

Acq: 16 Nov 2018 13:42

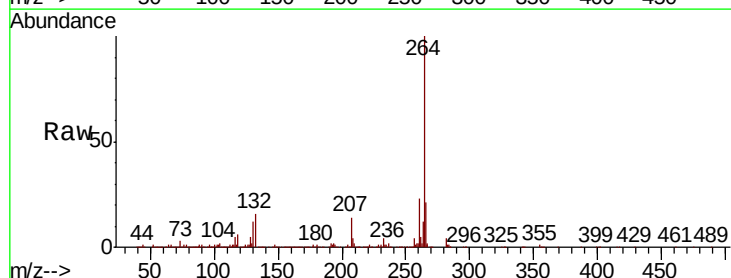
Tgt Ion:264 Resp: 1338687

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 21.5 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

