

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
 Data File : BM016079.D  
 Acq On : 26 Jul 2018 19:22  
 Operator : SJ/JU  
 Sample : PB111458BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB111458BL

Quant Time: Jul 27 05:50:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 23 16:08:38 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.20  | 152  | 62555    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 11.03 | 136  | 238120   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.83 | 164  | 133772   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.56 | 188  | 293880   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.68 | 240  | 233904   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.04 | 264  | 188994   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 563080   | 149.52 | ng    | -0.02    |
| 7) Phenol-d6                | 7.37  | 99   | 661466   | 134.50 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.39  | 82   | 487552   | 95.23  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.32 | 330  | 261565   | 154.16 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.46 | 172  | 1005566  | 91.46  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.14 | 244  | 1605453  | 143.68 | ng    | -0.02    |

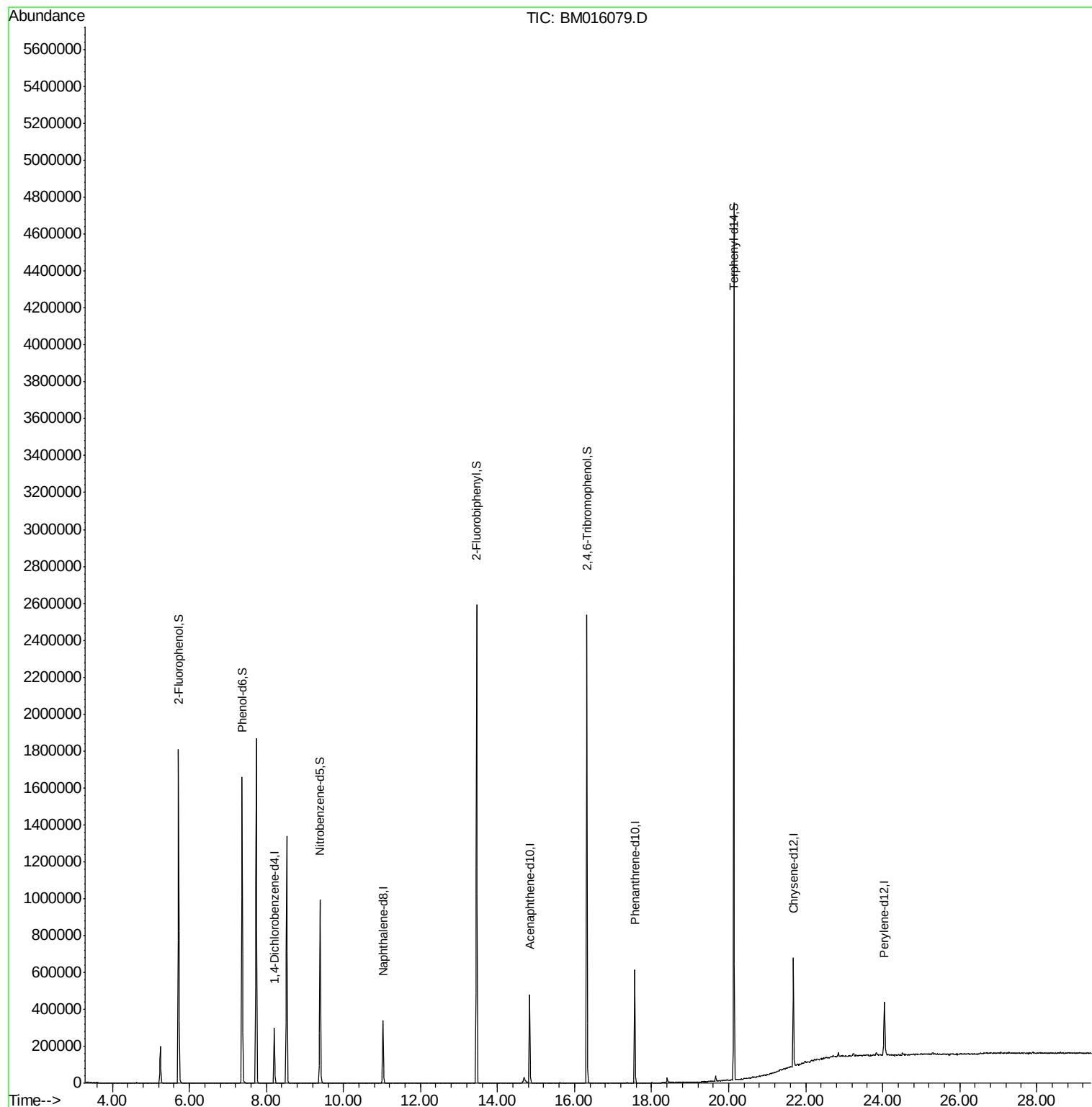
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

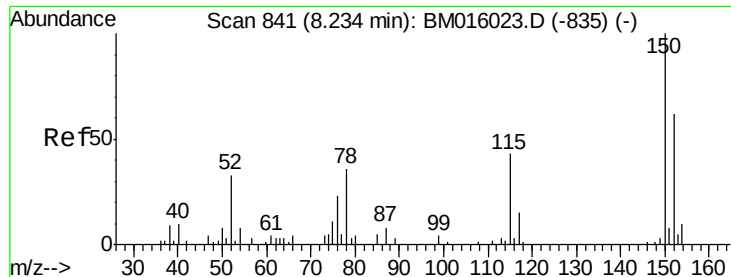
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 23 16:08:38 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.20 min Scan# 836

Delta R.T. -0.03 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA\_M

ClientSampleId :

PB111458BL

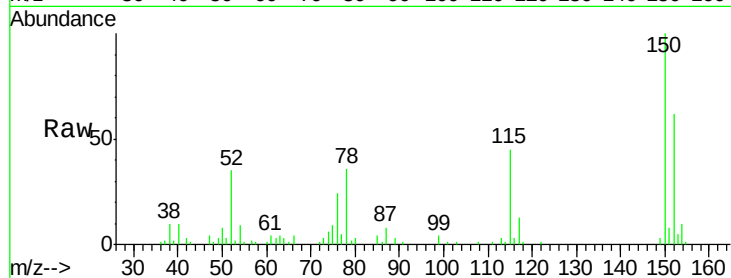
Tgt Ion:152 Resp: 62555

Ion Ratio Lower Upper

152 100

150 160.7 119.5 179.3

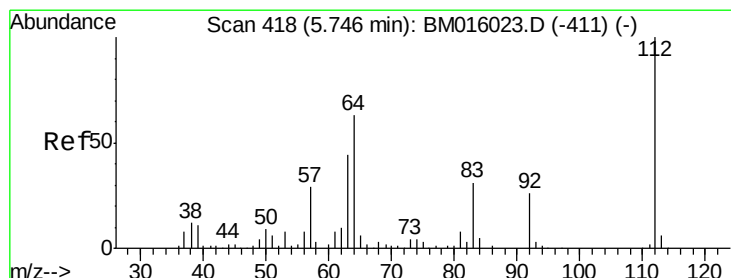
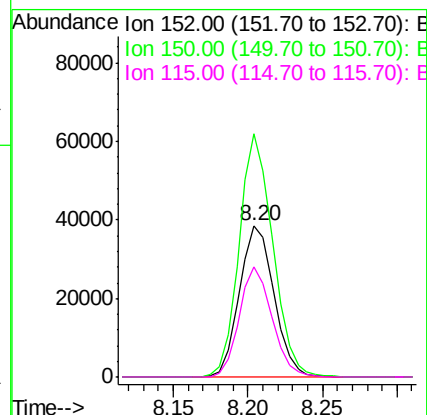
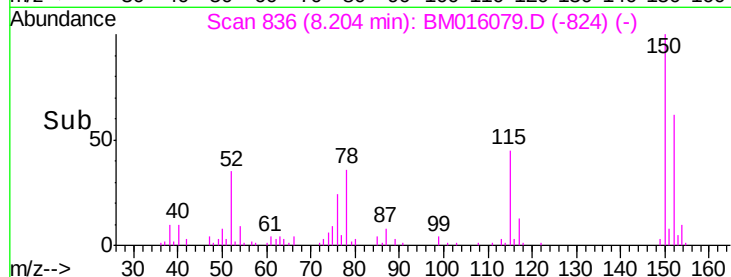
115 72.7 43.0 64.4#



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: N.D. ng

RT: 5.72 min Scan# 414

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

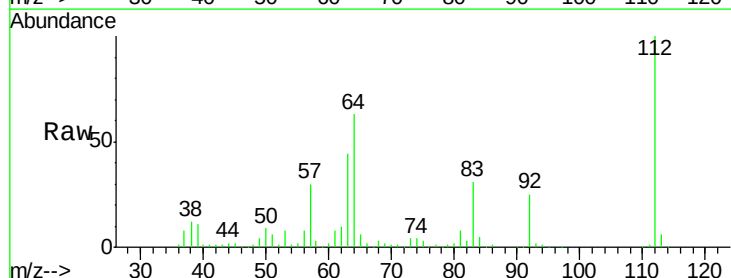
Tgt Ion:112 Resp: 563080

Ion Ratio Lower Upper

112 100

64 63.2 38.6 57.8#

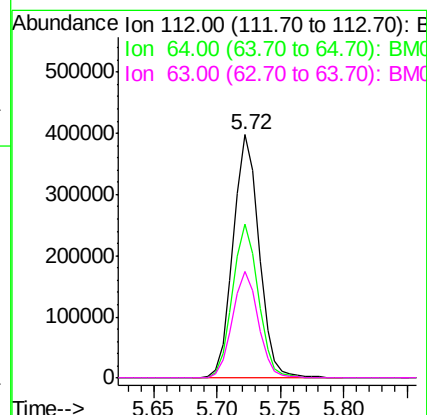
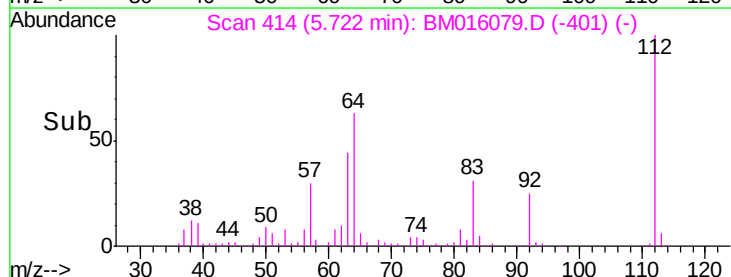
63 43.6 19.3 28.9#

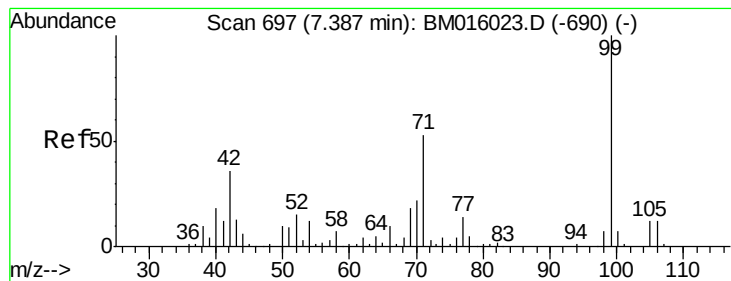


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: N.D. ng

RT: 7.37 min Scan# 694

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA\_M

ClientSampleId :

PB111458BL

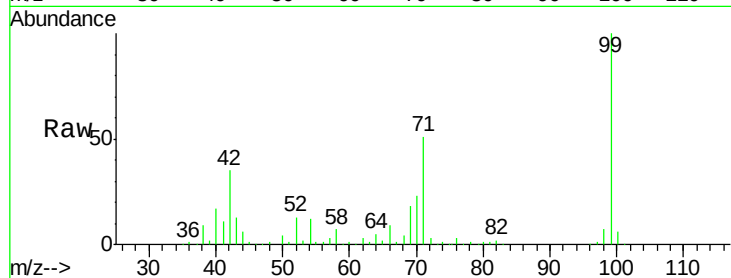
Tgt Ion: 99 Resp: 661466

Ion Ratio Lower Upper

99 100

42 35.1 11.0 16.4#

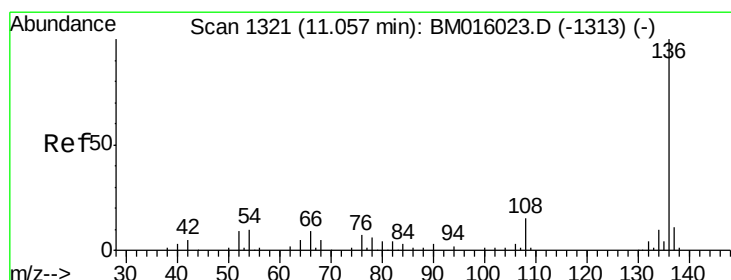
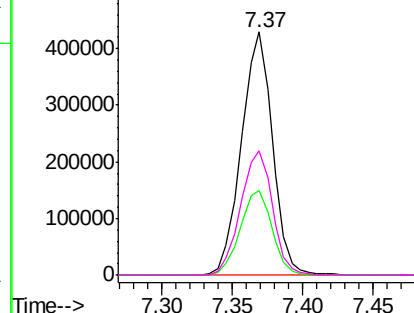
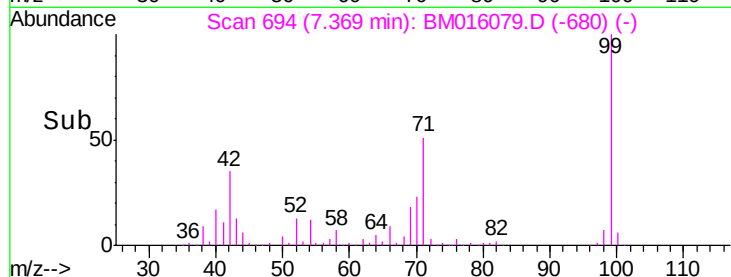
71 50.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016079.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016079.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016079.D (-680) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.03 min Scan# 1316

Delta R.T. -0.03 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Tgt Ion: 136 Resp: 238120

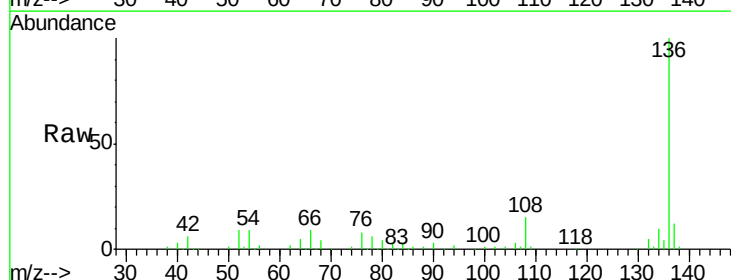
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 9.2 4.6 6.8#

68 4.1 3.7 5.5

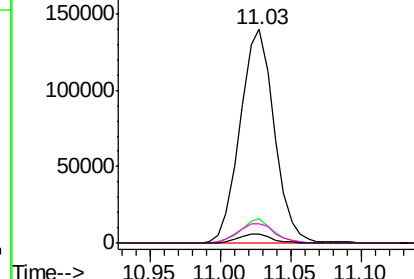
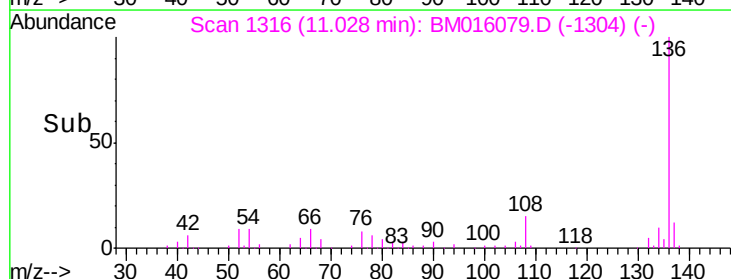


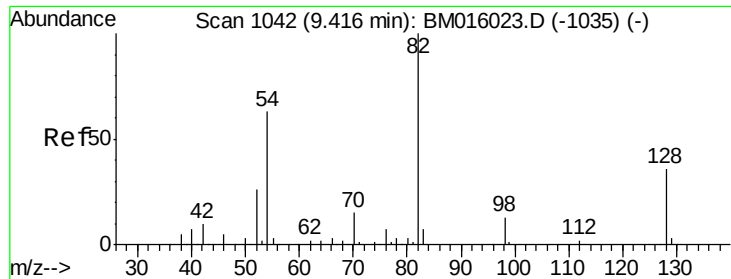
Abundance Ion 136.00 (135.70 to 136.70): BM016079.D (-1304) (-)

Ion 137.00 (136.70 to 137.70): BM016079.D (-1304) (-)

Ion 54.00 (53.70 to 54.70): BM016079.D (-1304) (-)

Ion 68.00 (67.70 to 68.70): BM016079.D (-1304) (-)

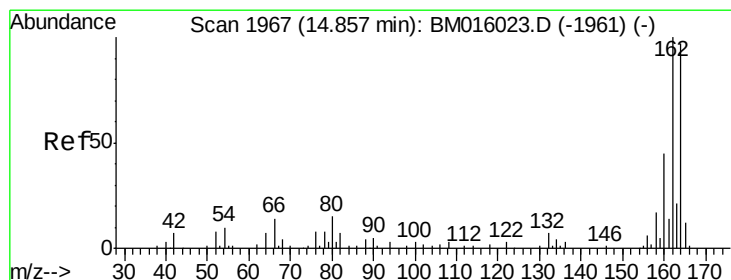
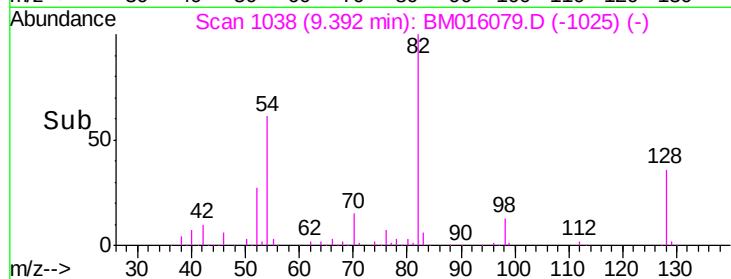
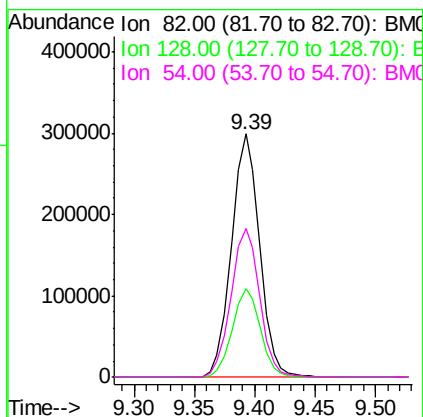
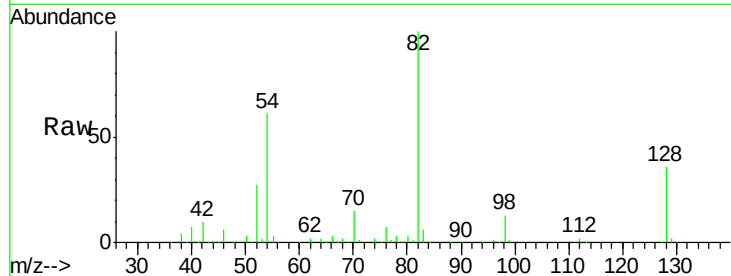




#23  
Nitrobenzene-d5  
Concen: N.D. ng  
RT: 9.39 min Scan# 1038  
Delta R.T. -0.02 min  
Lab File: BM016079.D  
Acq: 26 Jul 2018 19:22

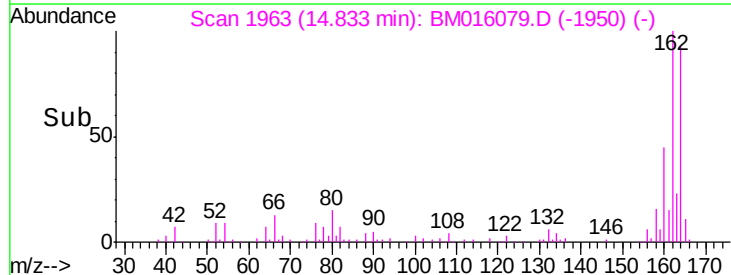
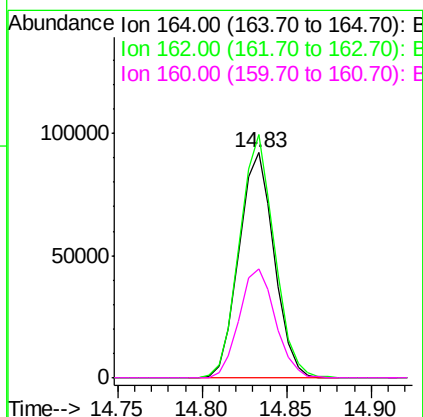
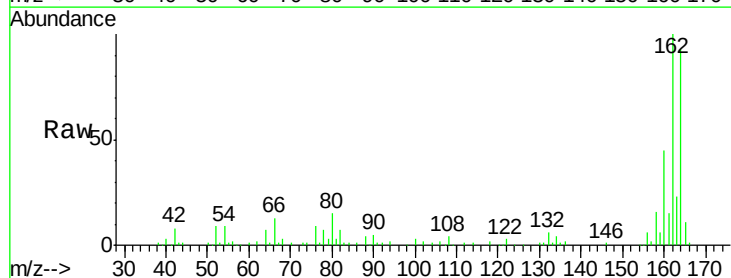
Instrument :  
BNA\_M  
ClientSampleId :  
PB111458BL

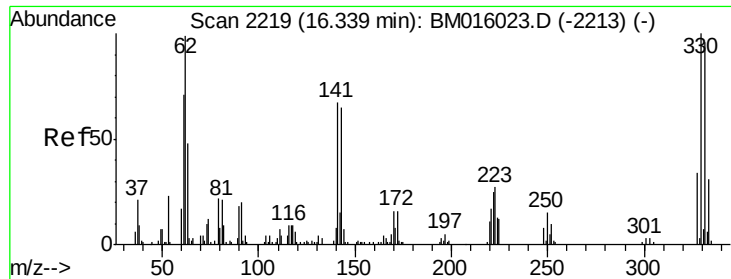
Tgt Ion: 82 Resp: 487552  
Ion Ratio Lower Upper  
82 100  
128 36.4 32.8 49.2  
54 61.2 40.6 60.8#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.83 min Scan# 1963  
Delta R.T. -0.02 min  
Lab File: BM016079.D  
Acq: 26 Jul 2018 19:22

Tgt Ion: 164 Resp: 133772  
Ion Ratio Lower Upper  
164 100  
162 108.1 82.4 123.6  
160 48.4 35.8 53.6

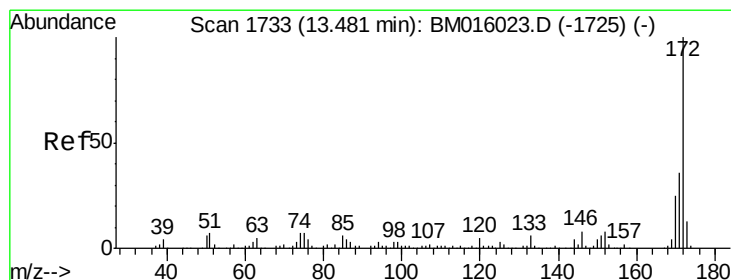
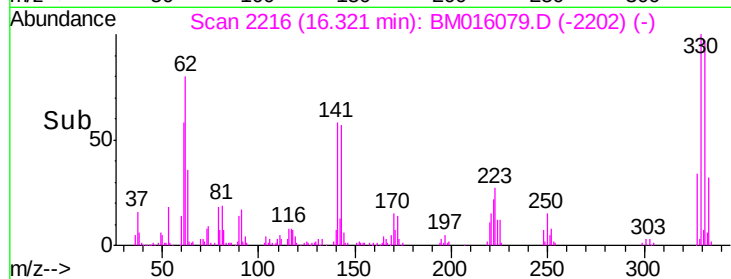
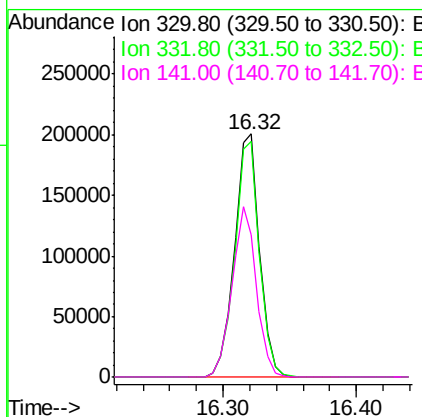
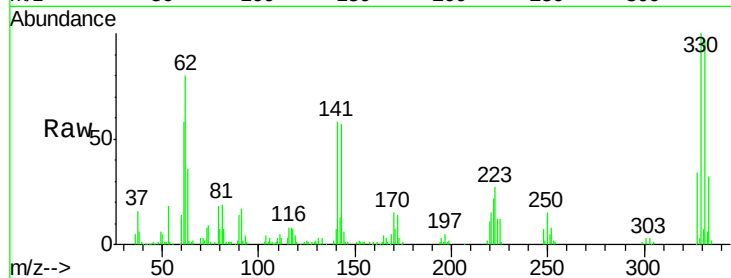




#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.32 min Scan# 2216  
 Delta R.T. -0.02 min  
 Lab File: BM016079.D  
 Acq: 26 Jul 2018 19:22

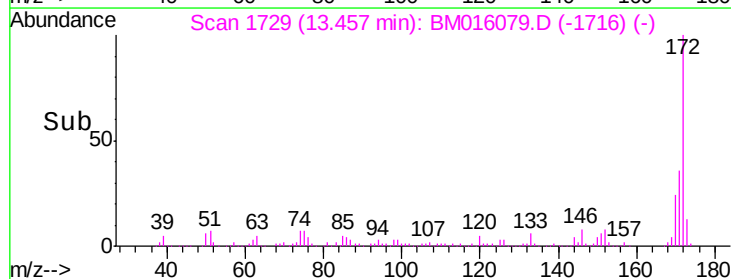
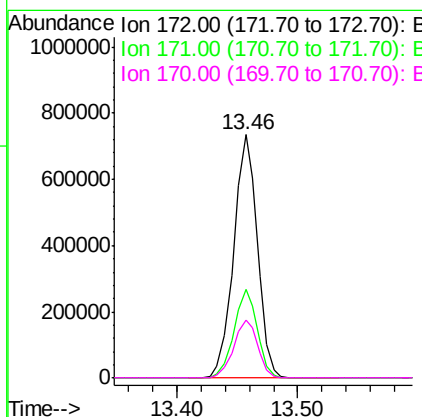
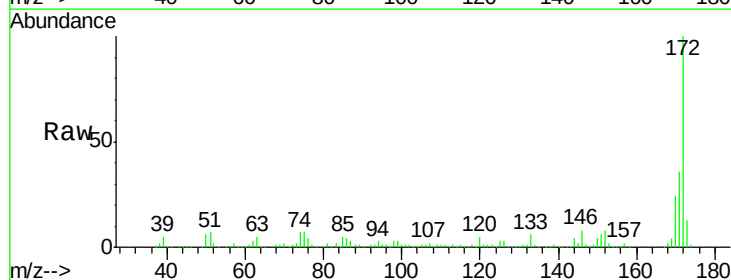
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB111458BL

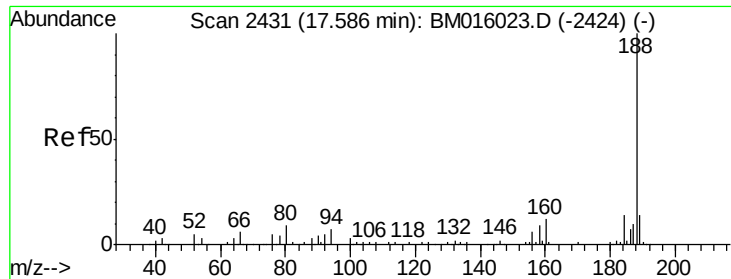
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 0.0   | 0.0#  |
| 141     | 68.9  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.46 min Scan# 1729  
 Delta R.T. -0.02 min  
 Lab File: BM016079.D  
 Acq: 26 Jul 2018 19:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 28.5  | 42.7  |
| 170     | 23.9  | 18.8  | 28.2  |

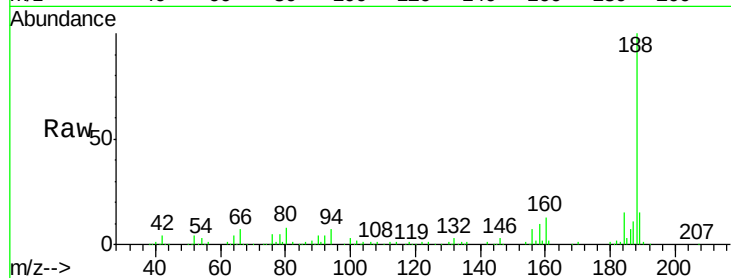




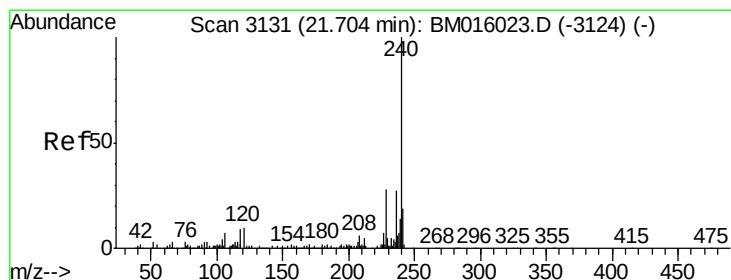
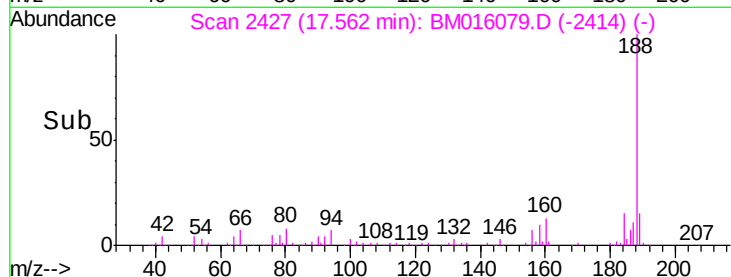
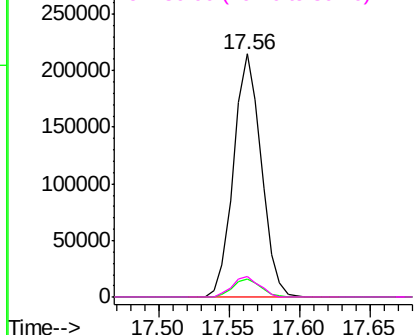
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.56 min Scan# 2427  
Delta R.T. -0.02 min  
Lab File: BM016079.D  
Acq: 26 Jul 2018 19:22

Instrument :  
BNA\_M  
ClientSampleId :  
PB111458BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.4   | 8.7   | 13.1# |
| 80      | 8.4   | 9.3   | 13.9# |

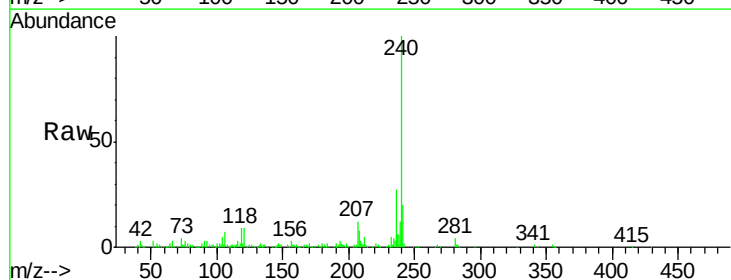


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0

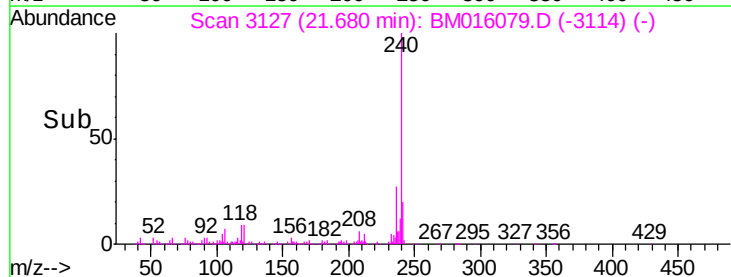
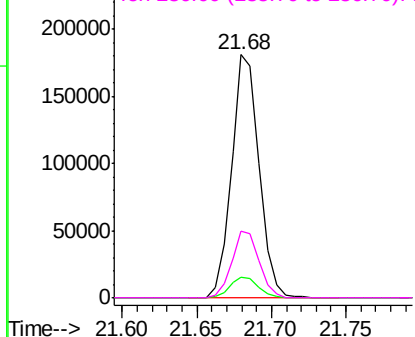


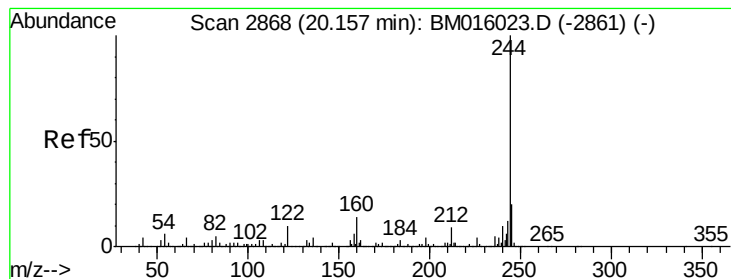
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3127  
Delta R.T. -0.02 min  
Lab File: BM016079.D  
Acq: 26 Jul 2018 19:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.8   | 8.2   | 12.2  |
| 236     | 27.4  | 20.0  | 30.0  |



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





#78

Terphenyl-d14

Concen: Below ng

RT: 20.14 min Scan# 2865

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA\_M

ClientSampleId :

PB111458BL

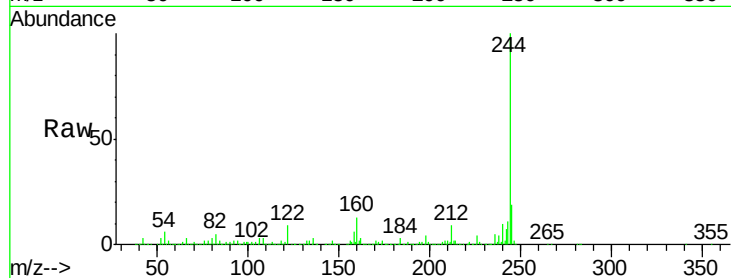
Tgt Ion:244 Resp: 1605453

Ion Ratio Lower Upper

244 100

212 9.3 4.9 7.3#

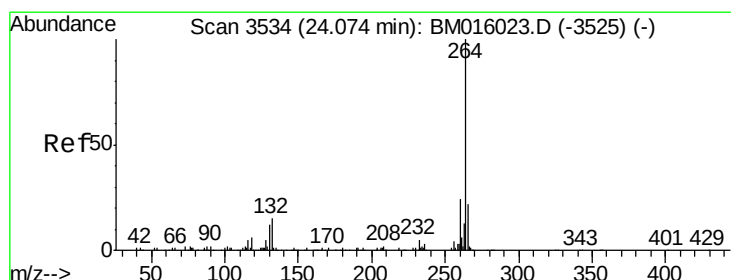
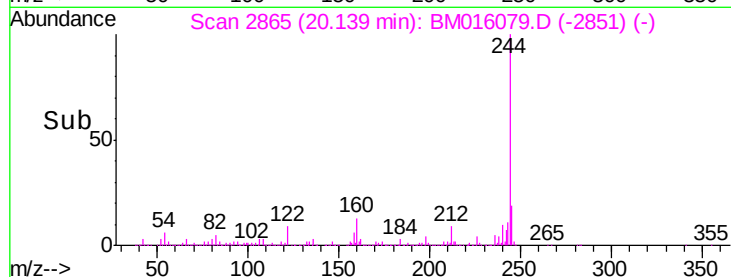
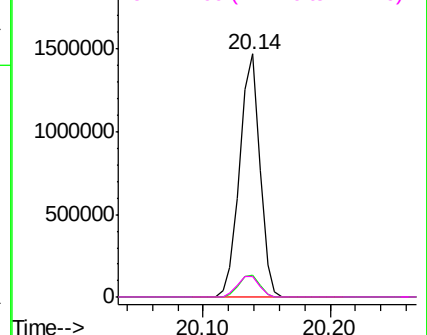
122 8.8 6.2 9.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.04 min Scan# 3529

Delta R.T. -0.03 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

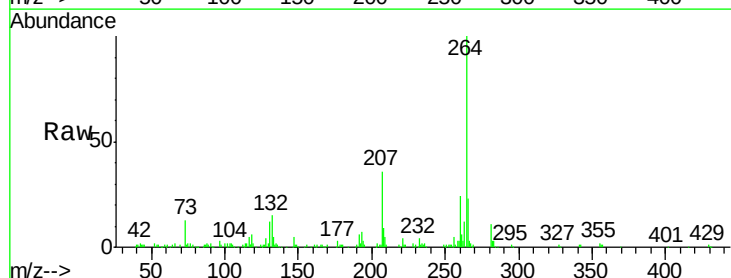
Tgt Ion:264 Resp: 188994

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

265 22.6 17.3 25.9



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

