

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060618\  
 Data File : BM015486.D  
 Acq On : 06 Jun 2018 13:09  
 Operator : SJ/JU  
 Sample : J3272-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RBR-45901-RBR-47184-RBR-47183

Quant Time: Jun 06 14:02:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 06 14:01:06 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.36  | 152  | 149234   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.19 | 136  | 571444   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.97 | 164  | 290993   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.70 | 188  | 650902   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.80 | 240  | 665034   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.22 | 264  | 682515   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.85  | 112  | 1171335  | 133.51 | ng    | 0.00     |
| 7) Phenol-d6                | 7.50  | 99   | 1400559  | 105.62 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.55  | 82   | 1048878  | 99.84  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.45 | 330  | 634496   | 151.73 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.60 | 172  | 2097241  | 96.77  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.26 | 244  | 3669377  | 127.36 | ng    | 0.00     |

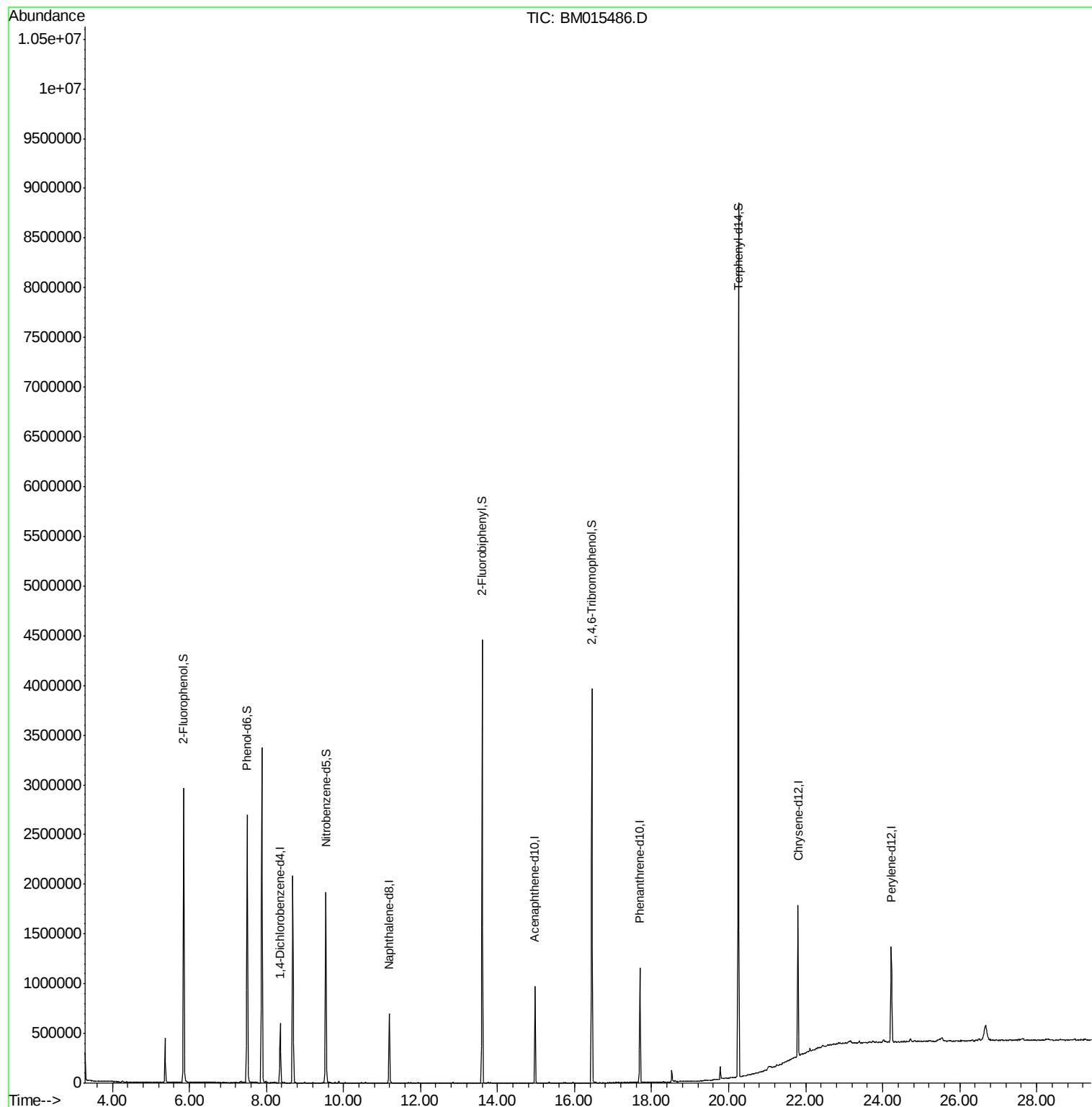
Target Compounds Qvalue

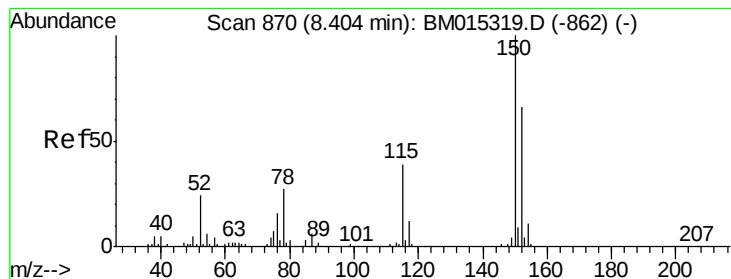
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
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RBR-45901-RBR-47184-RBR-47183

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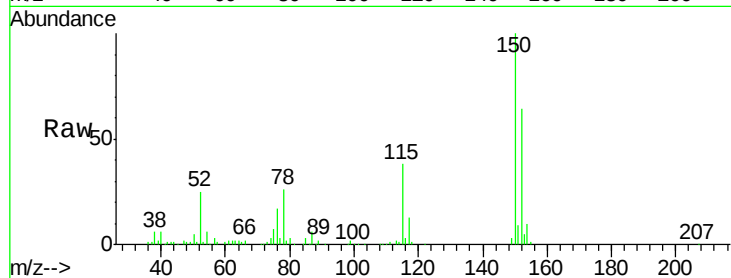


#1

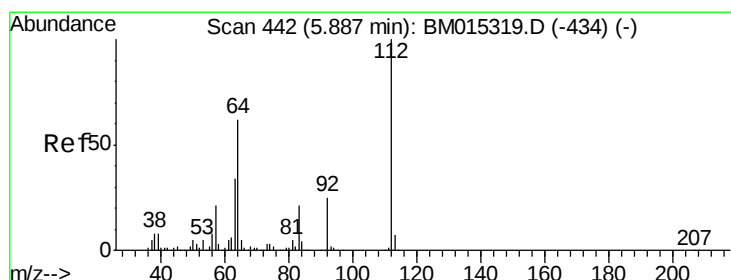
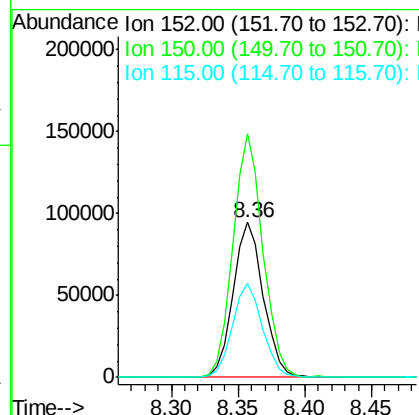
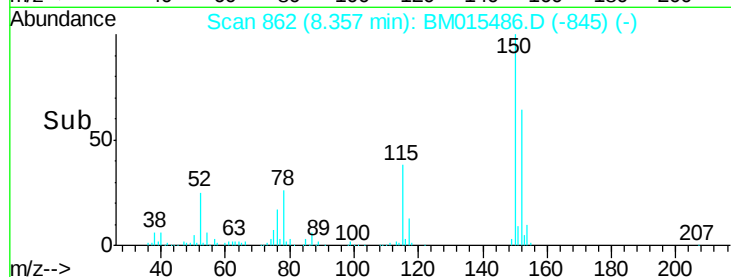
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.36 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: BM015486.D  
Acq: 06 Jun 2018 13:09

Instrument :  
BNA\_M  
ClientSampleId :  
RBR-45901-RBR-47184-RBR-47183

| Tot Ion | 152   | Resp  | 149234 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 152     | 100   |       |        |
| 150     | 156.8 | 119.5 | 179.3  |
| 115     | 60.2  | 43.0  | 64.4   |



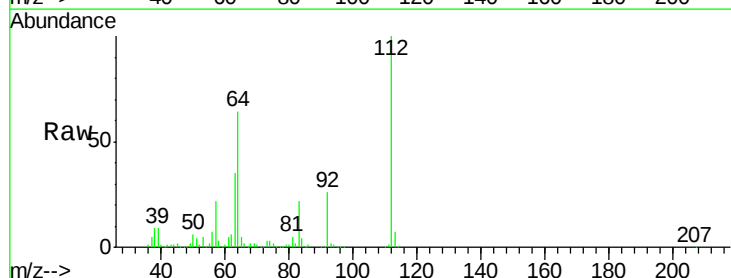
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



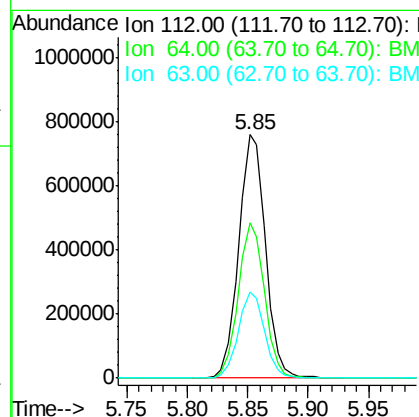
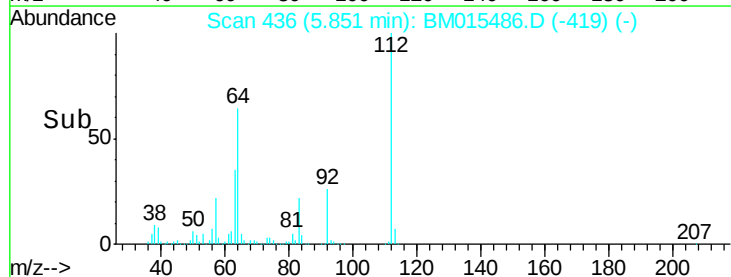
#5

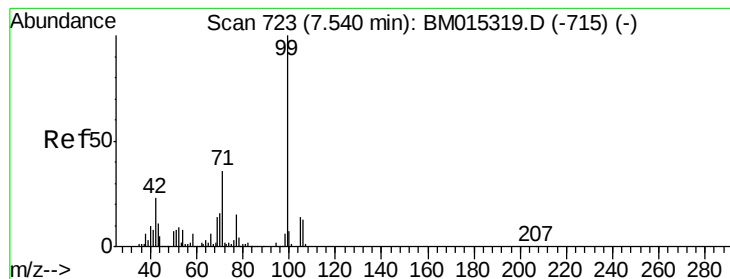
2-Fluorophenol  
Concen: 133.512 ng  
RT: 5.85 min Scan# 436  
Delta R.T. 0.00 min  
Lab File: BM015486.D  
Acq: 06 Jun 2018 13:09

| Tgt Ion | 112   | Resp  | 1171335 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 112     | 100   |       |         |
| 64      | 63.7  | 38.6  | 57.8#   |
| 63      | 35.5  | 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: 105.621 ng

RT: 7.50 min Scan# 717

Delta R.T. 0.00 min

Lab File: BM015486.D

Acq: 06 Jun 2018 13:09

Instrument :

BNA\_M

ClientSampleId :

RBR-45901-RBR-47184-RBR-47183

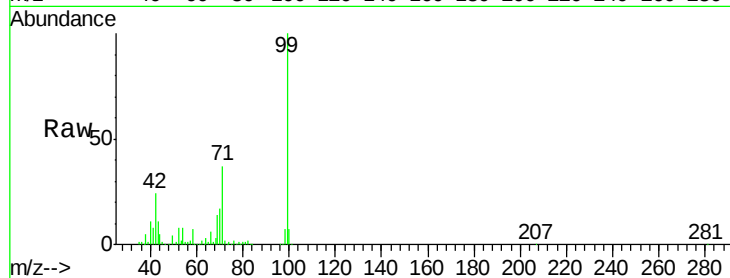
Tot Ion: 99 Resp: 1400559

Ion Ratio Lower Upper

99 100

42 24.3 11.0 16.4#

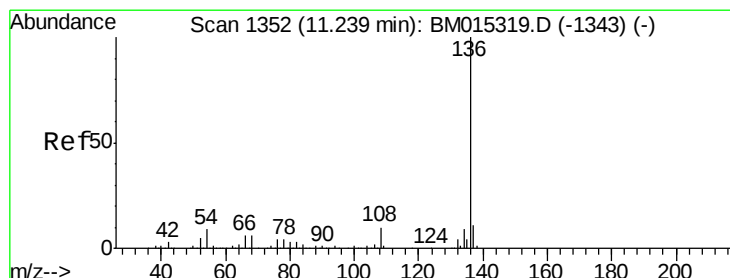
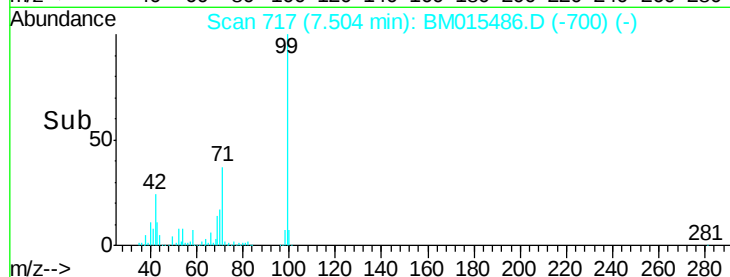
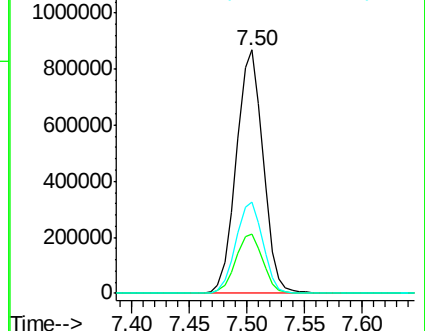
71 37.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015319.D (-715) (-)

Ion 42.00 (41.70 to 42.70): BM015319.D (-715) (-)

Ion 71.00 (70.70 to 71.70): BM015319.D (-715) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.19 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM015486.D

Acq: 06 Jun 2018 13:09

Tgt Ion: 136 Resp: 571444

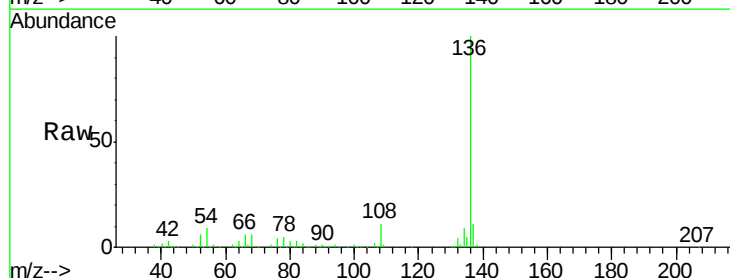
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 8.6 4.6 6.8#

68 5.6 3.7 5.5#

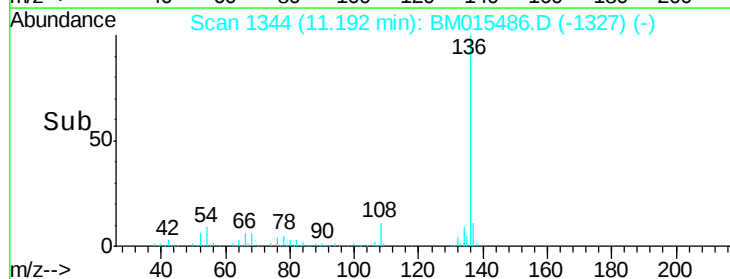
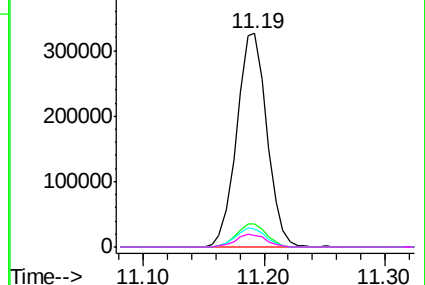


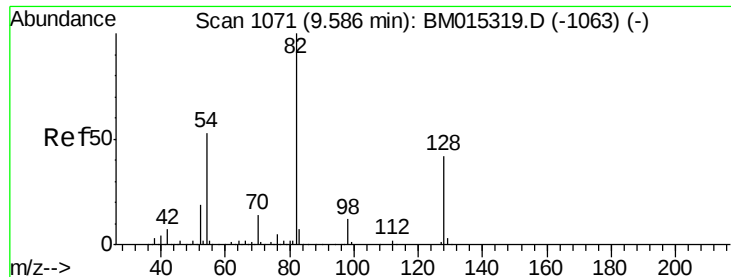
Abundance Ion 136.00 (135.70 to 136.70): BM015319.D (-1343) (-)

Ion 137.00 (136.70 to 137.70): BM015319.D (-1343) (-)

Ion 54.00 (53.70 to 54.70): BM015319.D (-1343) (-)

Ion 68.00 (67.70 to 68.70): BM015319.D (-1343) (-)

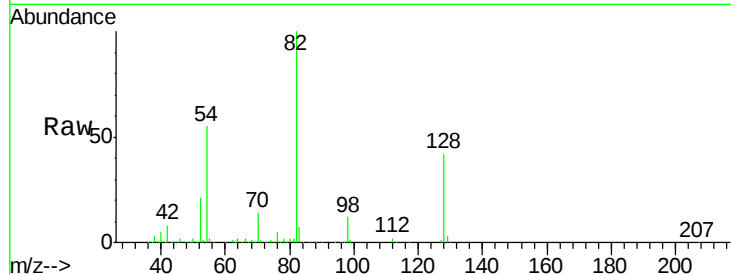




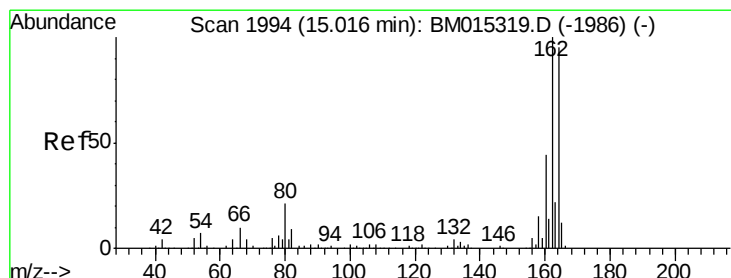
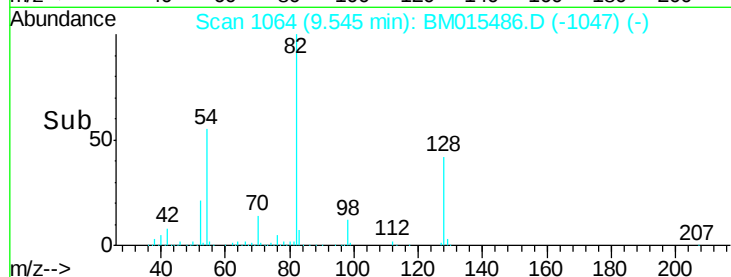
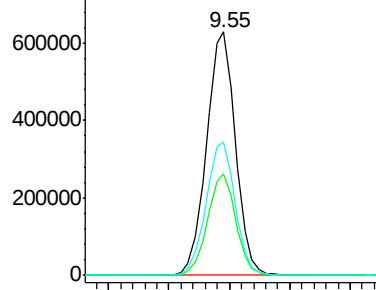
#23  
Nitrobenzene-d5  
Concen: 99.838 ng  
RT: 9.55 min Scan# 1064  
Delta R.T. 0.00 min  
Lab File: BM015486.D  
Acq: 06 Jun 2018 13:09

Instrument :  
BNA\_M  
ClientSampleId :  
RBR-45901-RBR-47184-RBR-47183

Tot Ion: 82 Resp: 1048878  
Ion Ratio Lower Upper  
82 100  
128 42.0 32.8 49.2  
54 54.7 40.6 60.8

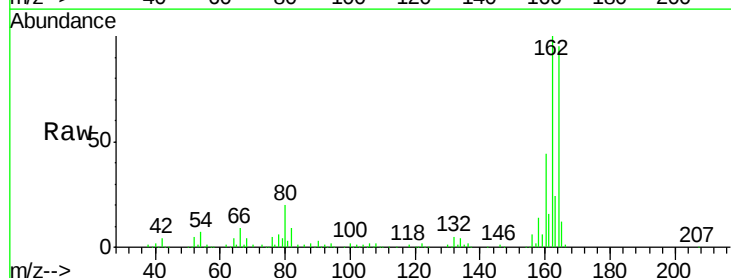


Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BM

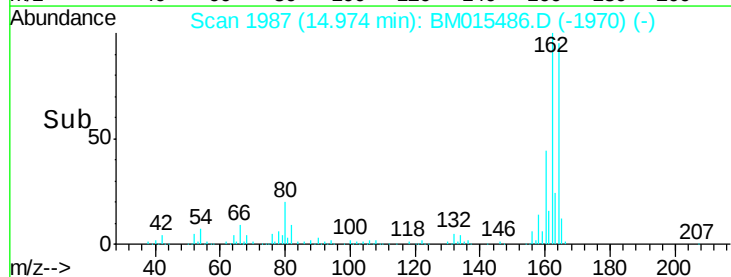
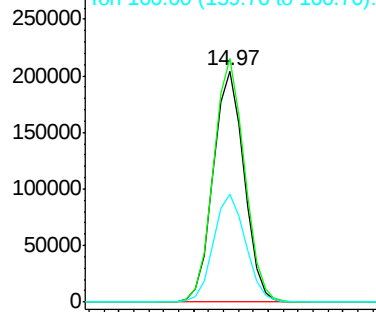


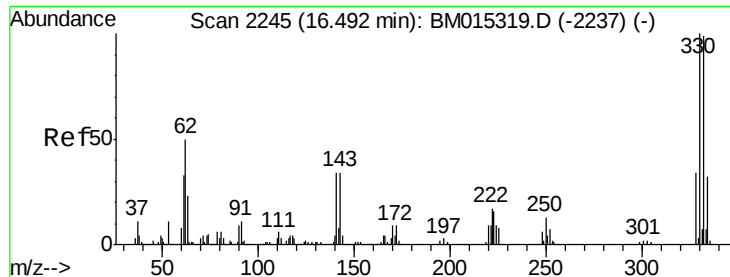
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.97 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: BM015486.D  
Acq: 06 Jun 2018 13:09

Tgt Ion:164 Resp: 290993  
Ion Ratio Lower Upper  
164 100  
162 105.3 82.4 123.6  
160 46.6 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

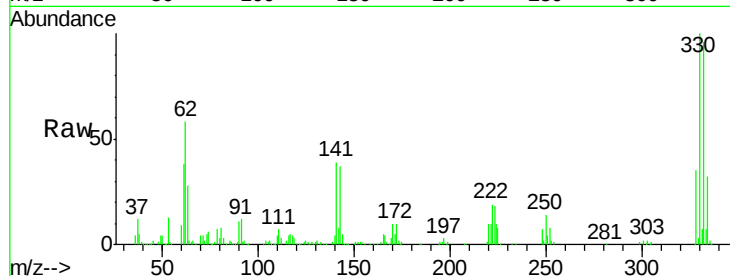




#41  
 2,4,6-Tribromophenol  
 Concen: 151.728 ng  
 RT: 16.45 min Scan# 2238  
 Delta R.T. 0.00 min  
 Lab File: BM015486.D  
 Acq: 06 Jun 2018 13:09

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RBR-45901-RBR-47184-RBR-47183

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 0.0   | 0.0#  |
| 141     | 40.0  | 0.0   | 0.0#  |

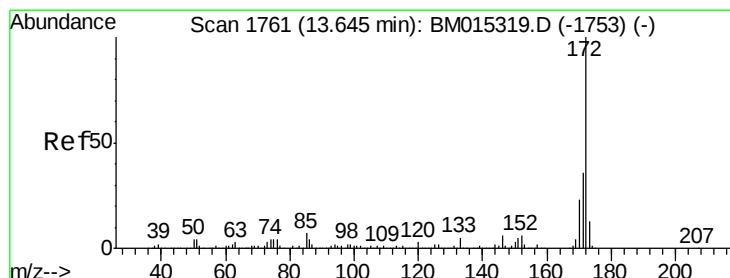
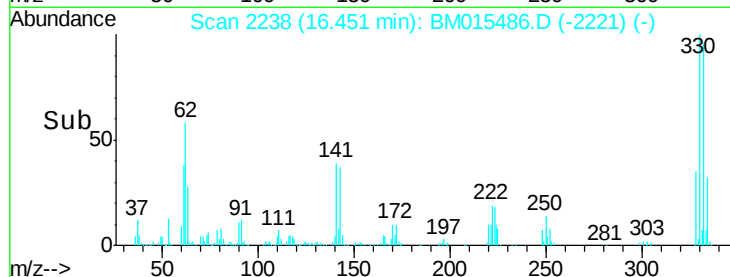
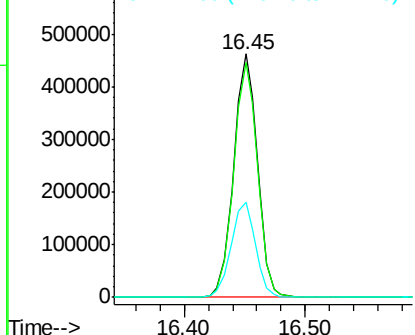


Abundance

Ion 329.80 (329.50 to 330.50): E

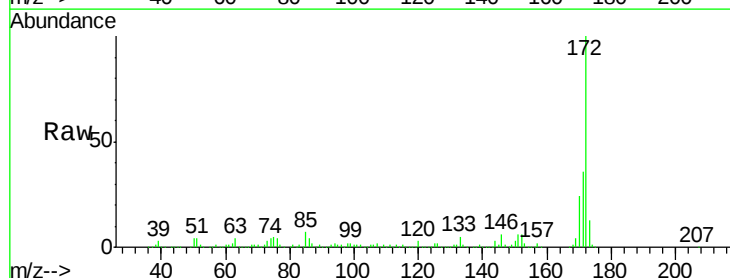
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 96.768 ng  
 RT: 13.60 min Scan# 1754  
 Delta R.T. 0.00 min  
 Lab File: BM015486.D  
 Acq: 06 Jun 2018 13:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 28.5  | 42.7  |
| 170     | 23.6  | 18.8  | 28.2  |

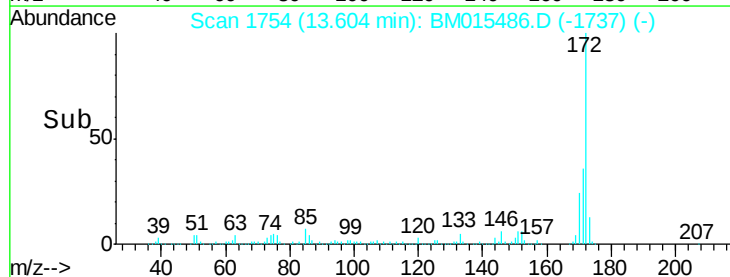
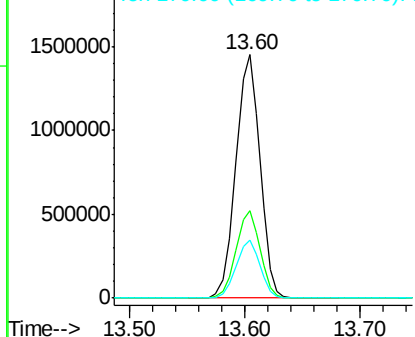


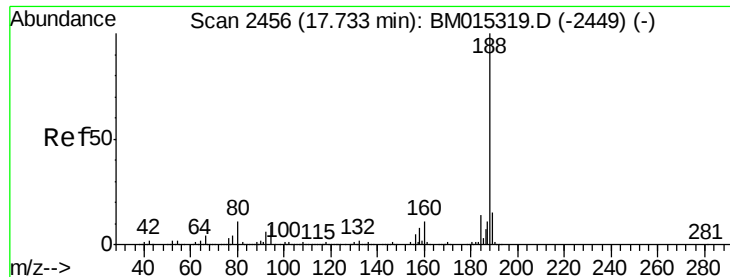
Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.70 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BM015486.D

Acq: 06 Jun 2018 13:09

Instrument :

BNA\_M

ClientSampleId :

RBR-45901-RBR-47184-RBR-47183

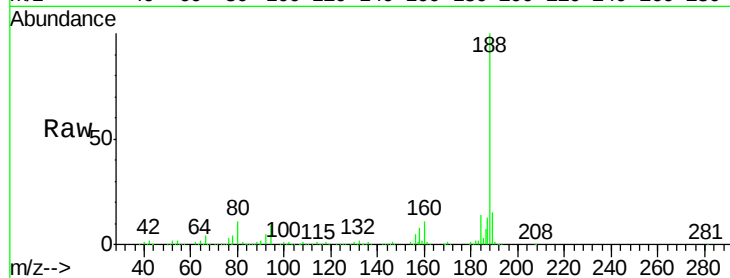
Tot Ion:188 Resp: 650902

Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

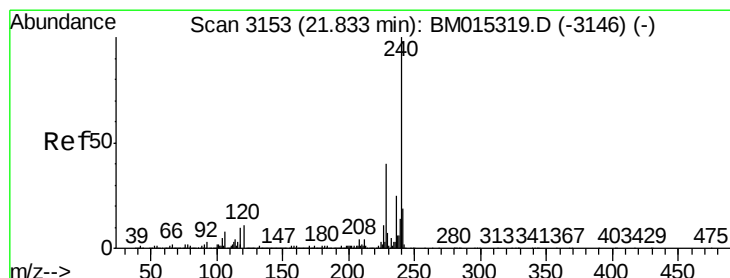
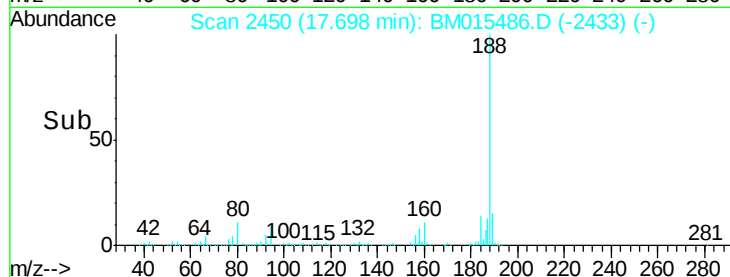
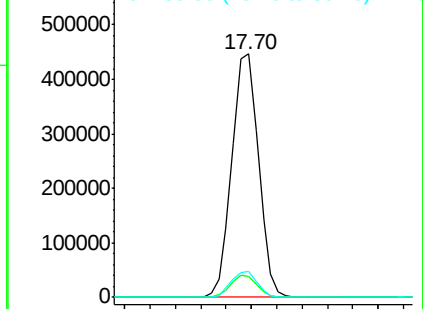
80 10.5 9.3 13.9



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: 21.80 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BM015486.D

Acq: 06 Jun 2018 13:09

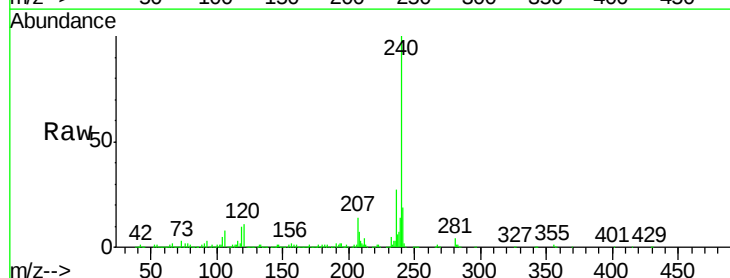
Tgt Ion:240 Resp: 665034

Ion Ratio Lower Upper

240 100

120 10.7 8.2 12.2

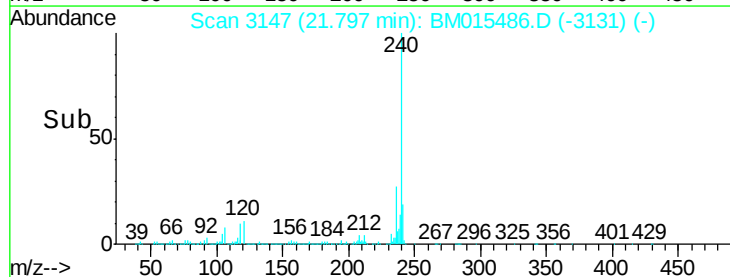
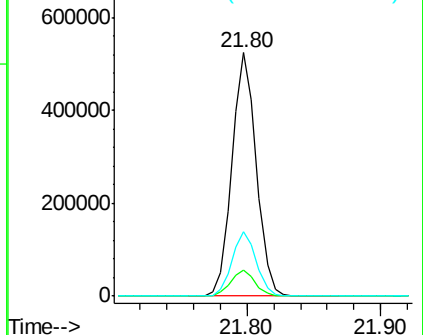
236 26.5 20.0 30.0

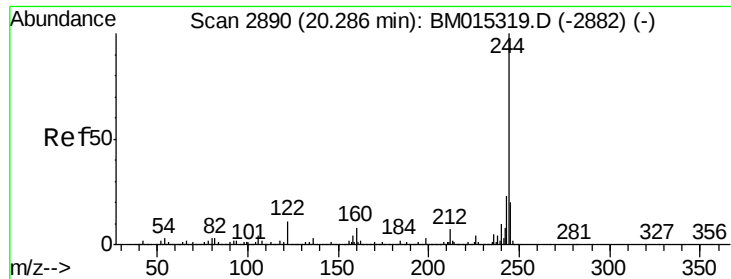


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 127.355 ng

RT: 20.26 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BM015486.D

Acq: 06 Jun 2018 13:09

Instrument :

BNA\_M

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RBR-45901-RBR-47184-RBR-47183

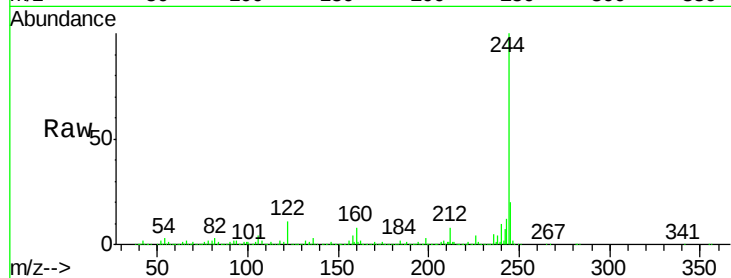
Tot Ion:244 Resp: 3669377

Ion Ratio Lower Upper

244 100

212 7.5 4.9 7.3#

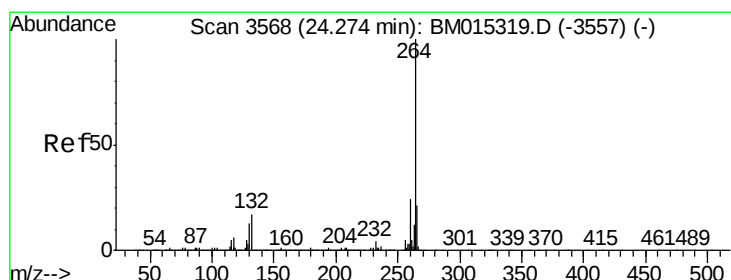
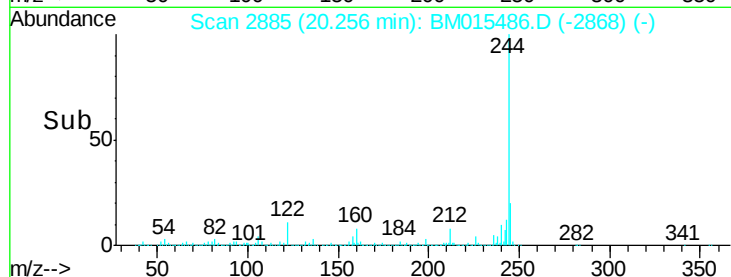
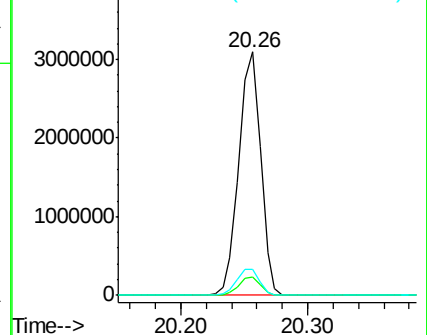
122 10.7 6.2 9.4#



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: 24.22 min Scan# 3559

Delta R.T. -0.01 min

Lab File: BM015486.D

Acq: 06 Jun 2018 13:09

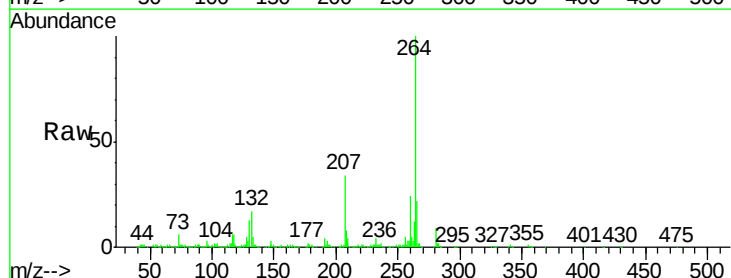
Tgt Ion:264 Resp: 682515

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

265 22.1 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

