

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060618\  
 Data File : BM015502.D  
 Acq On : 06 Jun 2018 23:02  
 Operator : SJ/JU  
 Sample : J3304-06  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 FS-CON

Quant Time: Jun 07 03:19:18 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  | 136148   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.19 | 136  | 505493   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.97 | 164  | 256995   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.69 | 188  | 534971   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 567328   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.21 | 264  | 589426   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.85  | 112  | 1119673  | 139.89 | ng    | 0.00     |
| 7) Phenol-d6                | 7.50  | 99   | 1282069  | 105.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.54  | 82   | 1055572  | 113.58 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.45 | 330  | 559403   | 151.47 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.60 | 172  | 2141917  | 111.90 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.25 | 244  | 3243257  | 131.95 | ng    | 0.00     |

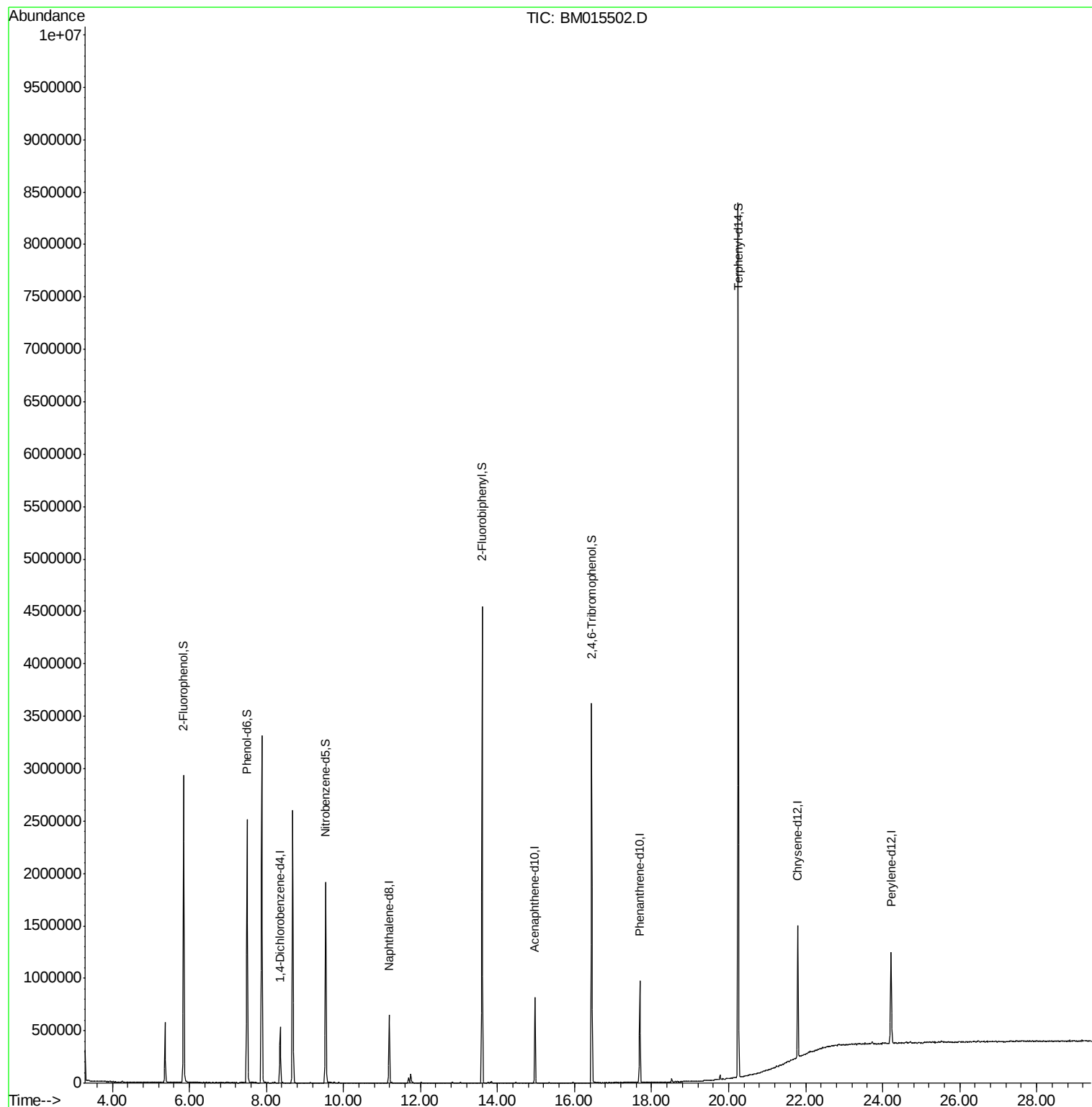
Target Compounds Qvalue

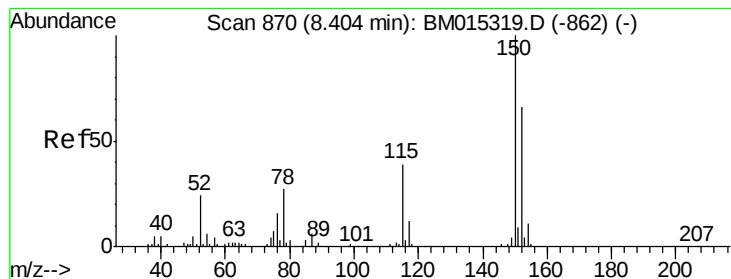
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM015502.D

Acq: 06 Jun 2018 23:02

Instrument :

BNA\_M

ClientSampleId :

FS-CON

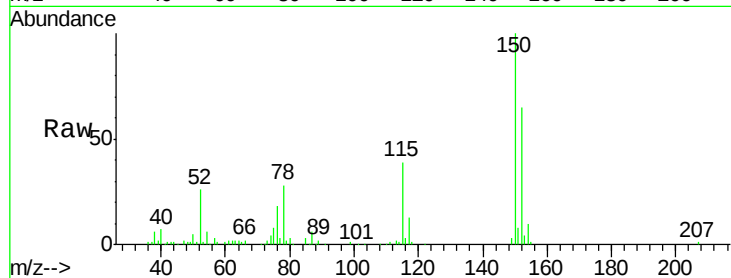
Tot Ion:152 Resp: 136148

Ion Ratio Lower Upper

152 100

150 154.3 119.5 179.3

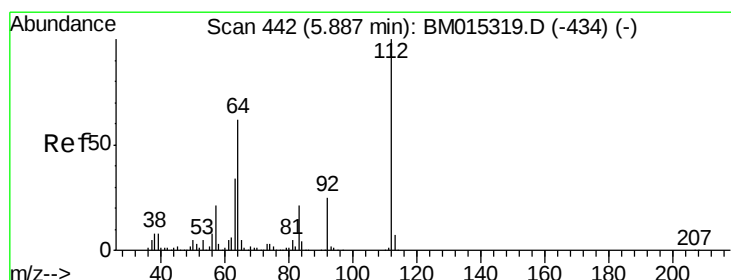
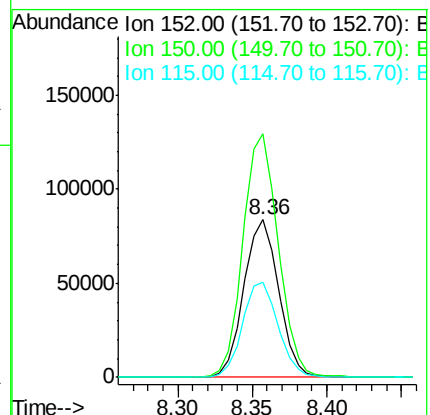
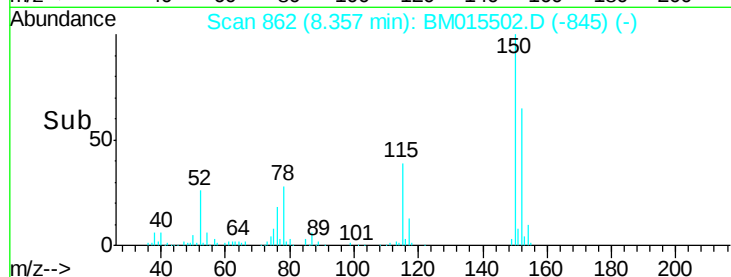
115 60.4 43.0 64.4



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: 139.890 ng

RT: 5.85 min Scan# 436

Delta R.T. 0.00 min

Lab File: BM015502.D

Acq: 06 Jun 2018 23:02

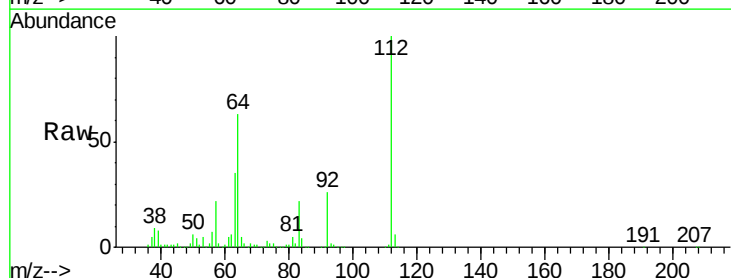
Tgt Ion:112 Resp: 1119673

Ion Ratio Lower Upper

112 100

64 63.3 38.6 57.8#

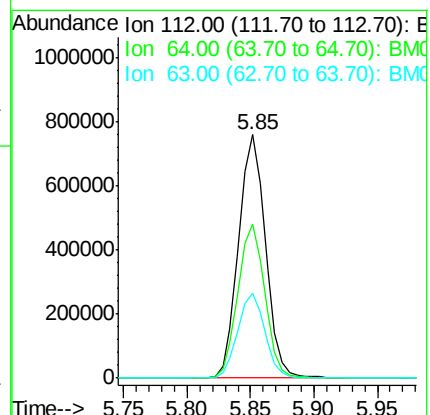
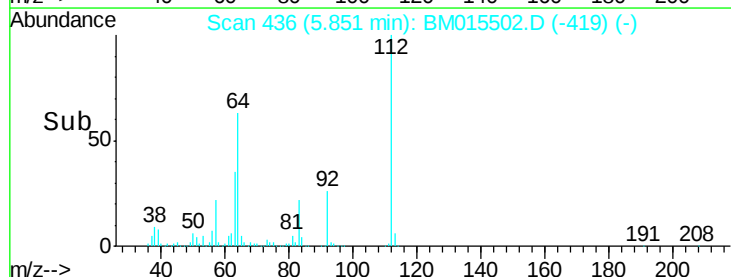
63 35.0 19.3 28.9#

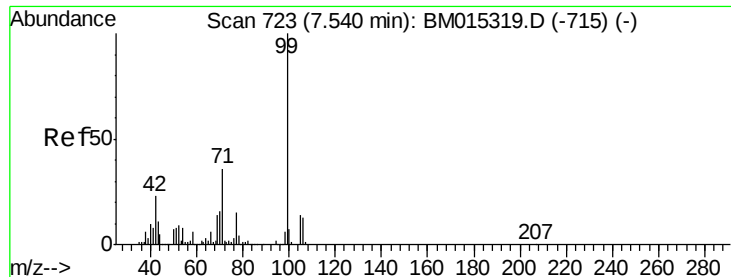


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 105.978 ng

RT: 7.50 min Scan# 716

Delta R.T. -0.01 min

Lab File: BM015502.D

Acq: 06 Jun 2018 23:02

Instrument :

BNA\_M

ClientSampleId :

FS-CON

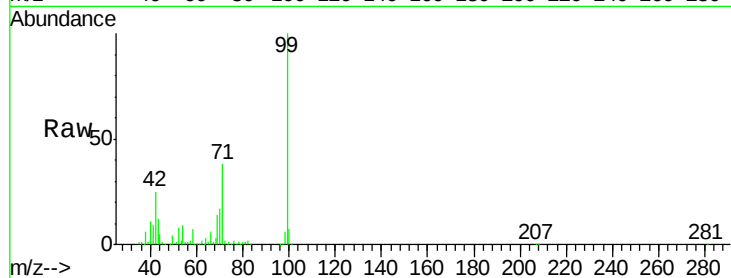
Tot Ion: 99 Resp: 1282069

Ion Ratio Lower Upper

99 100

42 24.7 11.0 16.4#

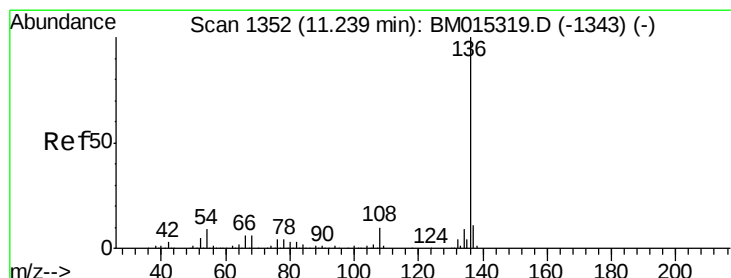
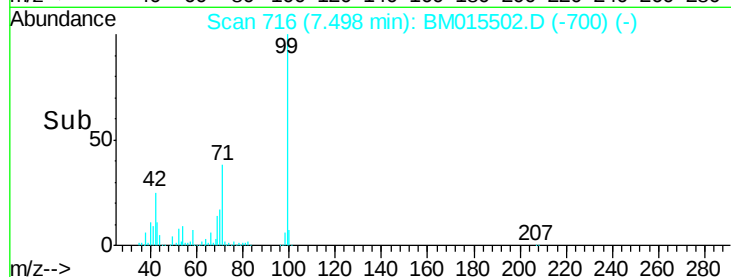
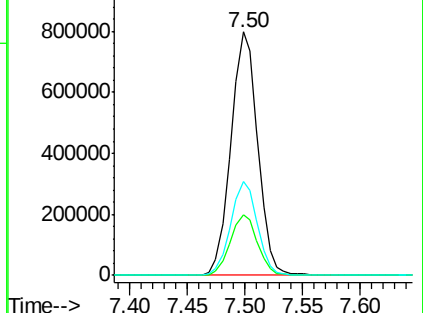
71 38.4 23.4 35.2#



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# 1343

Delta R.T. -0.01 min

Lab File: BM015502.D

Acq: 06 Jun 2018 23:02

Tgt Ion: 136 Resp: 505493

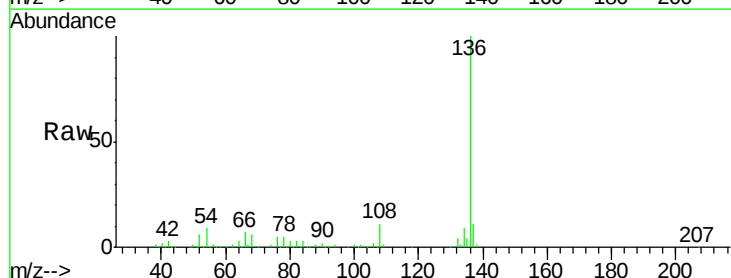
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.0 4.6 6.8#

68 6.3 3.7 5.5#

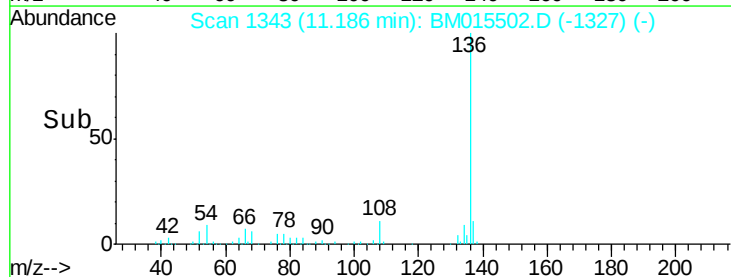
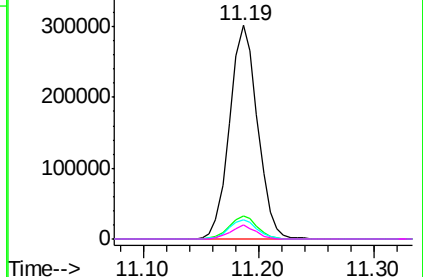


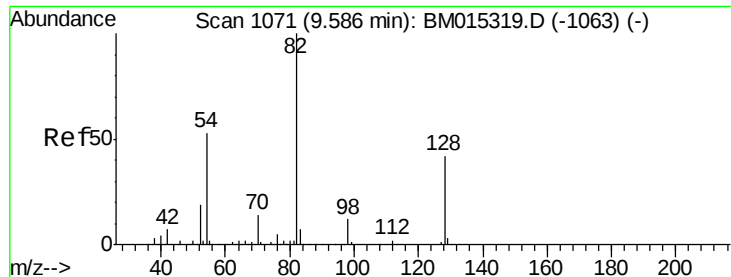
Abundance Ion 136.00 (135.70 to 136.70): BM015319.D (-1343) (-)

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) (-)

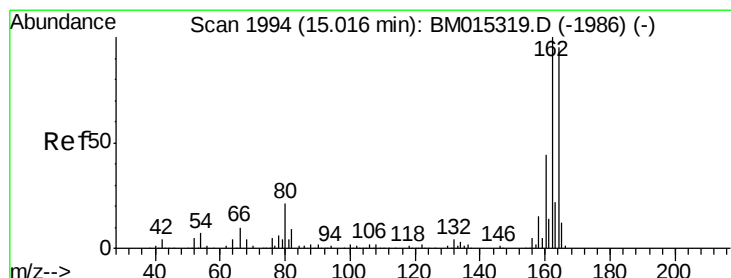
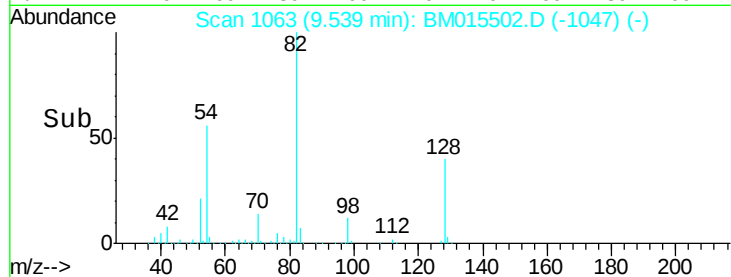
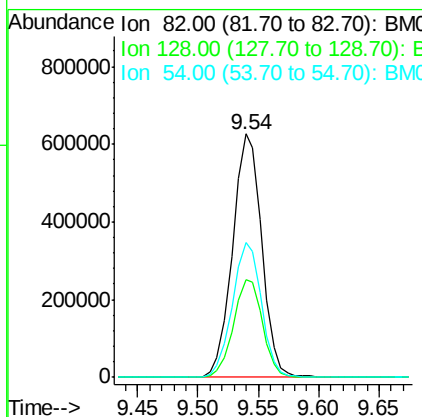
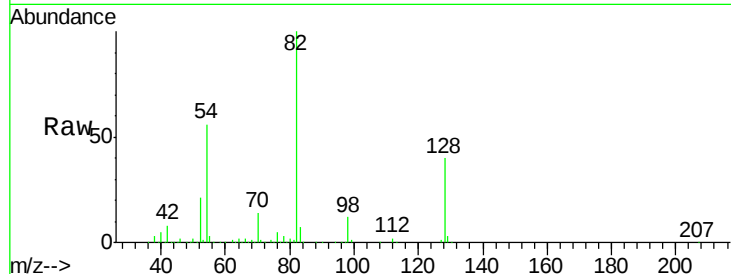




#23  
 Nitrobenzene-d5  
 Concen: 113.584 ng  
 RT: 9.54 min Scan# 1063  
 Delta R.T. -0.01 min  
 Lab File: BM015502.D  
 Acq: 06 Jun 2018 23:02

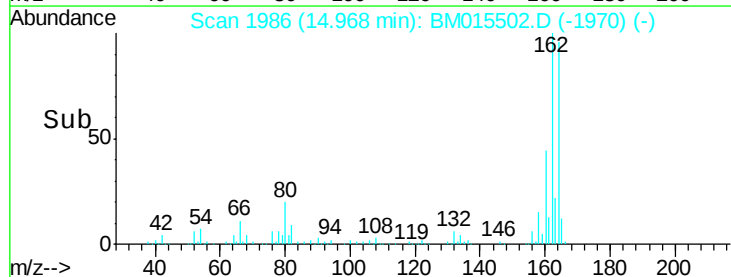
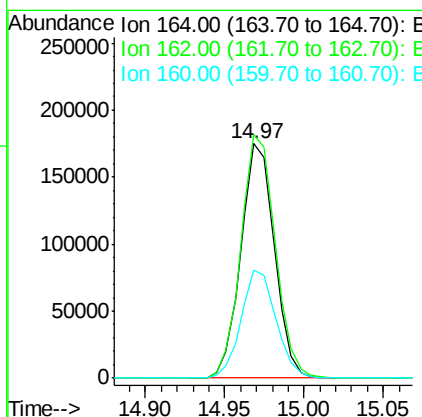
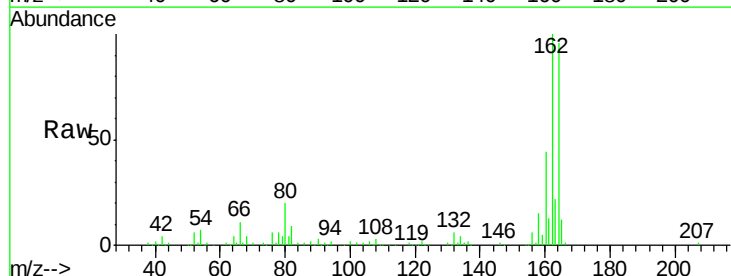
Instrument :  
 BNA\_M  
 ClientSampled :  
 FS-CON

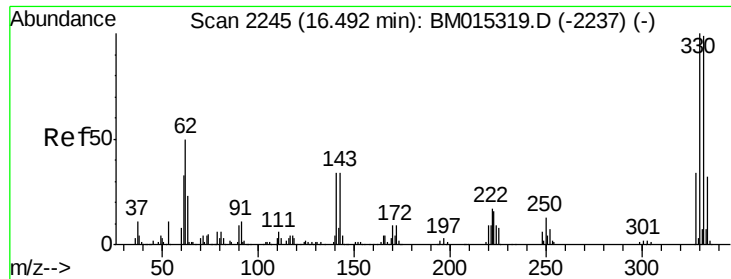
Tot Ion: 82 Resp: 1055572  
 Ion Ratio Lower Upper  
 82 100  
 128 40.3 32.8 49.2  
 54 55.5 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.97 min Scan# 1986  
 Delta R.T. -0.01 min  
 Lab File: BM015502.D  
 Acq: 06 Jun 2018 23:02

Tgt Ion: 164 Resp: 256995  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 82.4 123.6  
 160 45.9 35.8 53.6

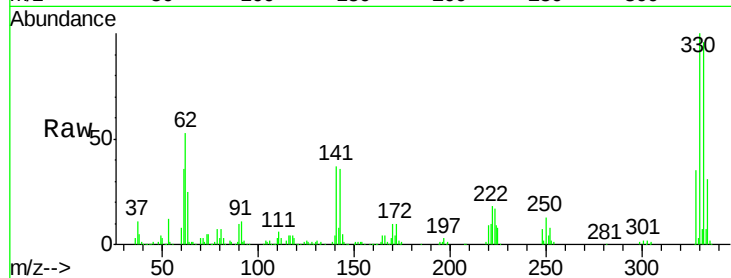




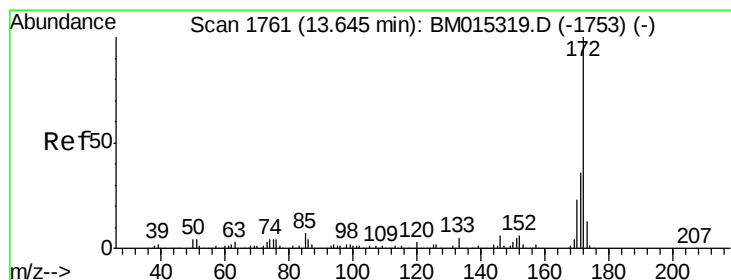
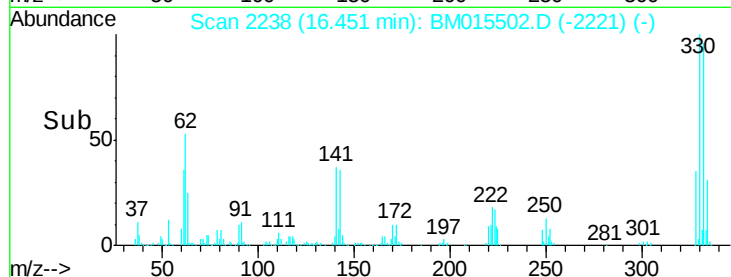
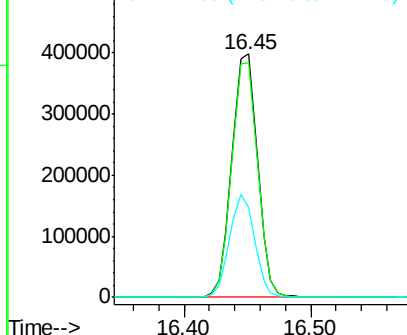
#41  
 2,4,6-Tribromophenol  
 Concen: 151.468 ng  
 RT: 16.45 min Scan# 2238  
 Delta R.T. 0.00 min  
 Lab File: BM015502.D  
 Acq: 06 Jun 2018 23:02

Instrument :  
 BNA\_M  
 ClientSampleId :  
 FS-CON

Tot Ion:330 Resp: 559403  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 0.0 0.0#  
 141 41.3 0.0 0.0#

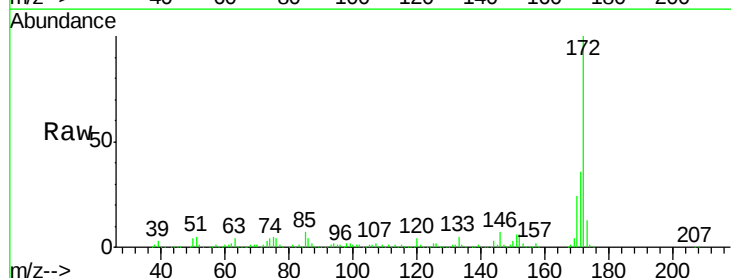


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

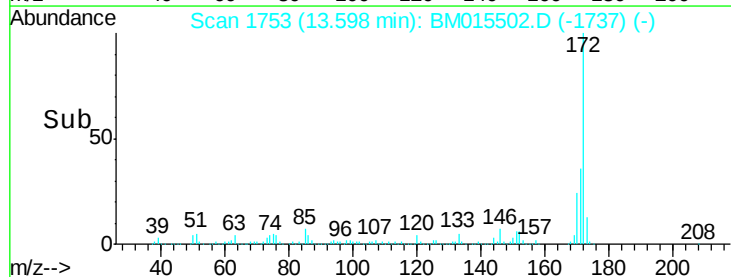
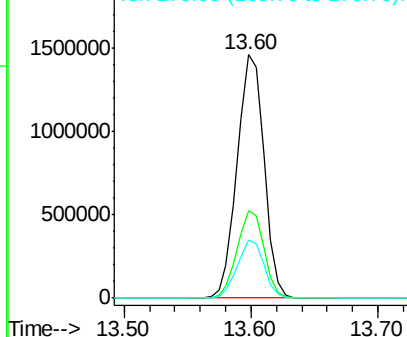


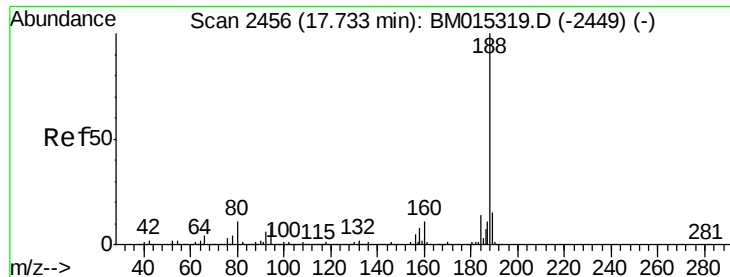
#44  
 2-Fluorobiphenyl  
 Concen: 111.904 ng  
 RT: 13.60 min Scan# 1753  
 Delta R.T. -0.01 min  
 Lab File: BM015502.D  
 Acq: 06 Jun 2018 23:02

Tgt Ion:172 Resp: 2141917  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.5 42.7  
 170 23.7 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

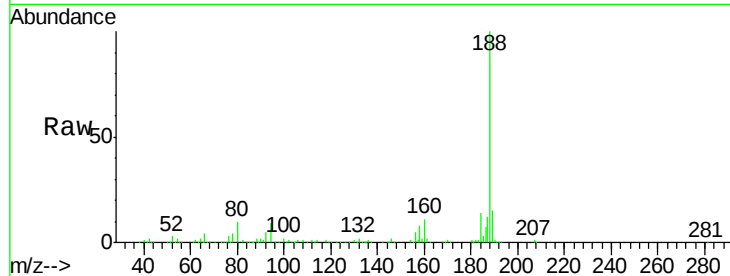




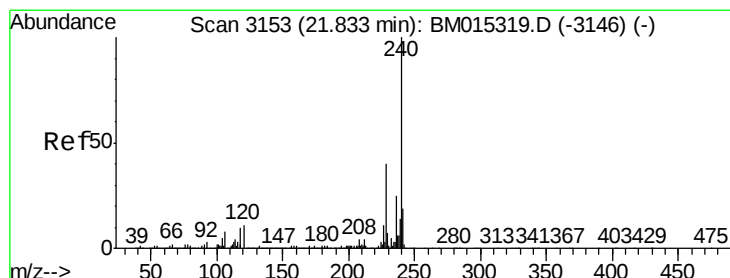
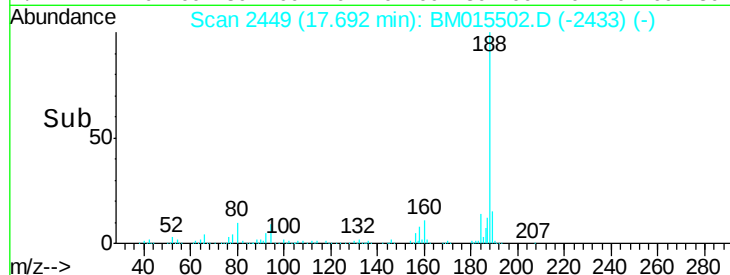
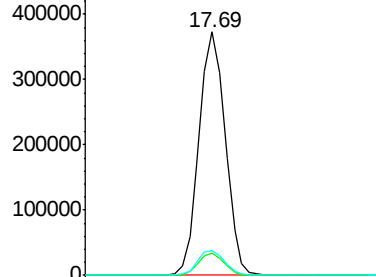
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.69 min Scan# 2449  
Delta R.T. -0.01 min  
Lab File: BM015502.D  
Acq: 06 Jun 2018 23:02

Instrument :  
BNA\_M  
ClientSampled :  
FS-CON

Tot Ion:188 Resp: 534971  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.7 13.1  
80 10.0 9.3 13.9

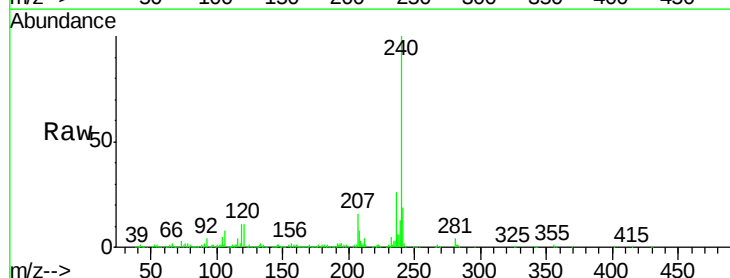


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

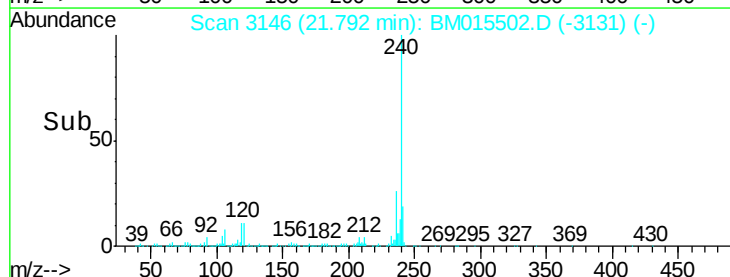
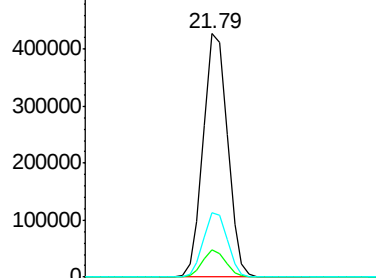


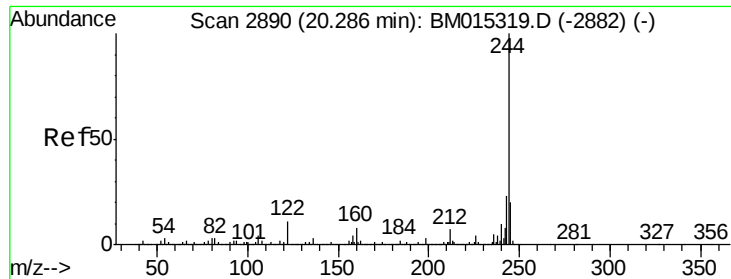
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.79 min Scan# 3146  
Delta R.T. -0.01 min  
Lab File: BM015502.D  
Acq: 06 Jun 2018 23:02

Tgt Ion:240 Resp: 567328  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.2 12.2  
236 26.2 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: 131.952 ng

RT: 20.25 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BM015502.D

Acq: 06 Jun 2018 23:02

Instrument :

BNA\_M

ClientSampleId :

FS-CON

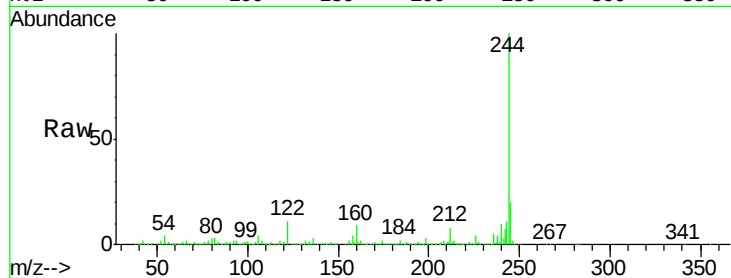
Tot Ion:244 Resp: 3243257

Ion Ratio Lower Upper

244 100

212 7.7 4.9 7.3#

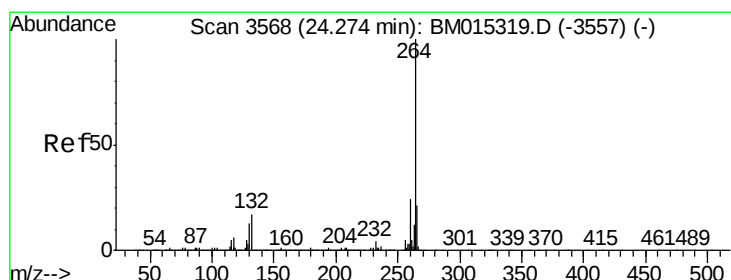
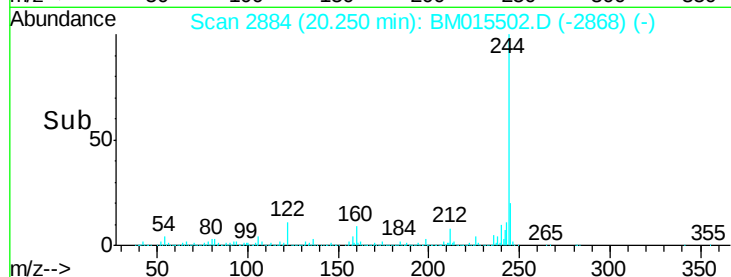
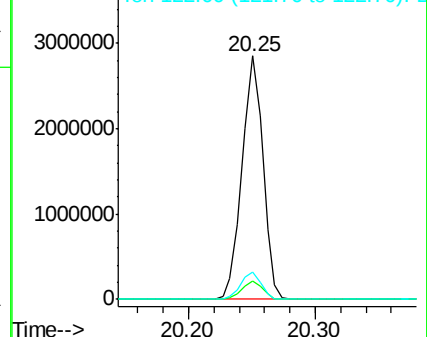
122 11.4 6.2 9.4#



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: 24.21 min Scan# 3558

Delta R.T. -0.01 min

Lab File: BM015502.D

Acq: 06 Jun 2018 23:02

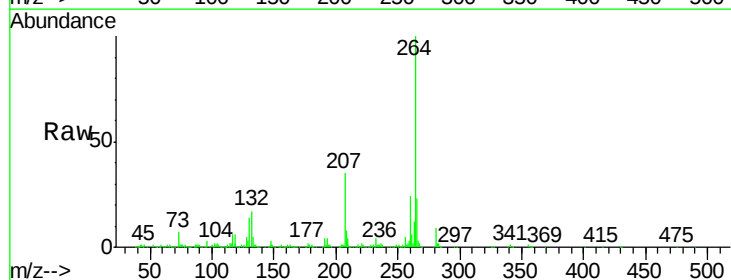
Tgt Ion:264 Resp: 589426

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

