

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080917\  
 Data File : BM011188.D  
 Acq On : 09 Aug 2017 23:22  
 Operator : SJ/JU  
 Sample : I4657-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-01-080717-B

Quant Time: Aug 10 01:53:33 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.29  | 152  | 123850   | 20.00  | ng    | -0.10    |
| 21) Naphthalene-d8          | 10.05 | 136  | 422461   | 20.00  | ng    | -0.10    |
| 38) Acenaphthene-d10        | 13.96 | 164  | 259970   | 20.00  | ng    | -0.09    |
| 63) Phenanthrene-d10        | 16.72 | 188  | 641909   | 20.00  | ng    | -0.09    |
| 75) Chrysene-d12            | 20.94 | 240  | 873383   | 20.00  | ng    | -0.08    |
| 86) Perylene-d12            | 23.02 | 264  | 884372   | 20.00  | ng    | -0.12    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.94  | 112  | 1096928  | 149.72 | ng    | -0.09    |
| 7) Phenol-d6                | 6.50  | 99   | 1331405  | 127.90 | ng    | -0.09    |
| 23) Nitrobenzene-d5         | 8.45  | 82   | 1385643  | 123.10 | ng    | -0.09    |
| 41) 2,4,6-Tribromophenol    | 15.47 | 330  | 627770   | 150.66 | ng    | -0.09    |
| 44) 2-Fluorobiphenyl        | 12.57 | 172  | 2236790  | 107.91 | ng    | -0.09    |
| 78) Terphenyl-d14           | 19.39 | 244  | 3890375  | 88.24  | ng    | -0.08    |

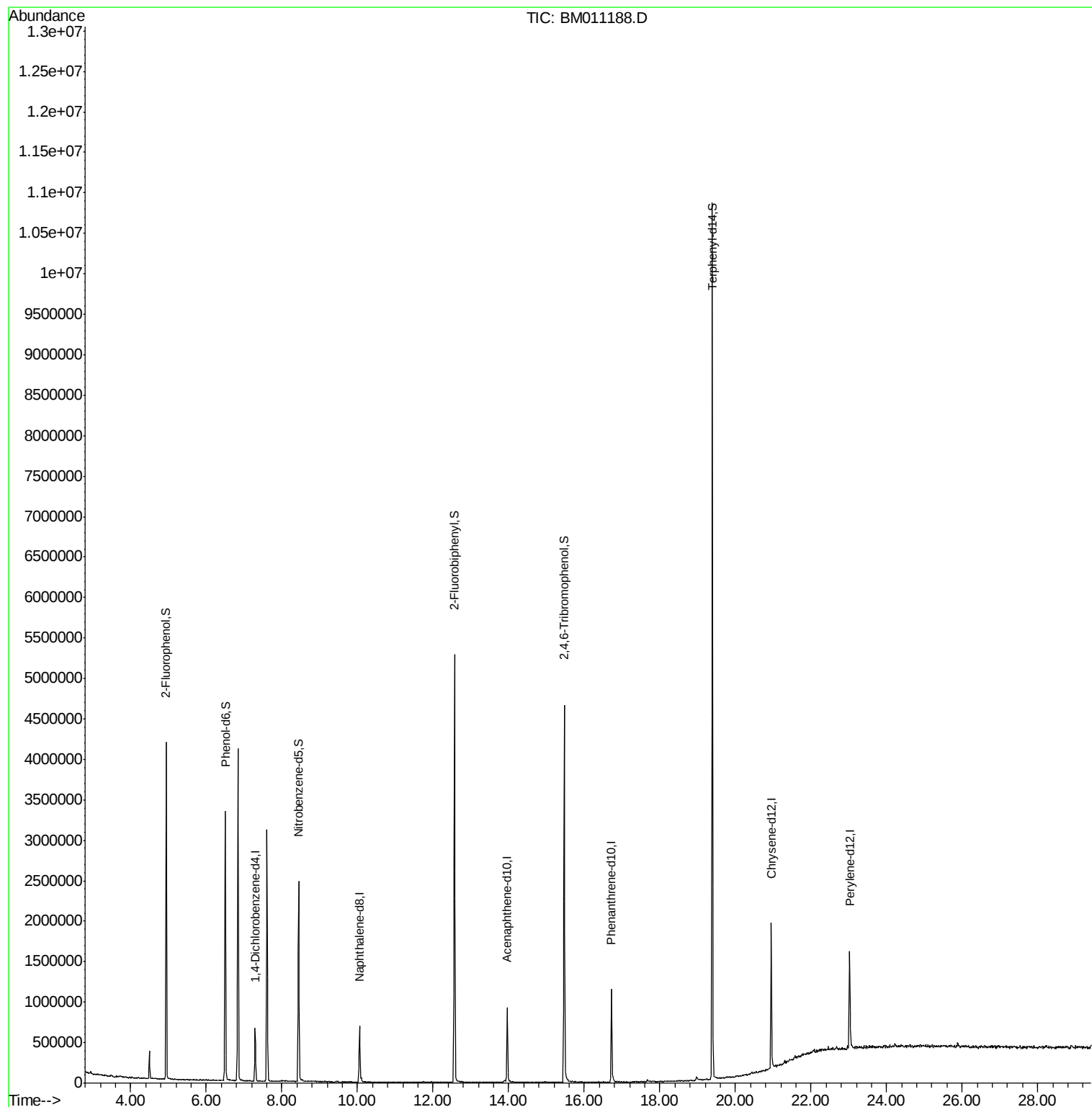
Target Compounds Qvalue

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

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QLast Update : Wed Jul 26 17:29:06 2017  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.29 min Scan# 766

Delta R.T. -0.10 min

Lab File: BM011188.D

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Instrument :

BNA\_M

ClientSampleId :

CL-01-080717-B

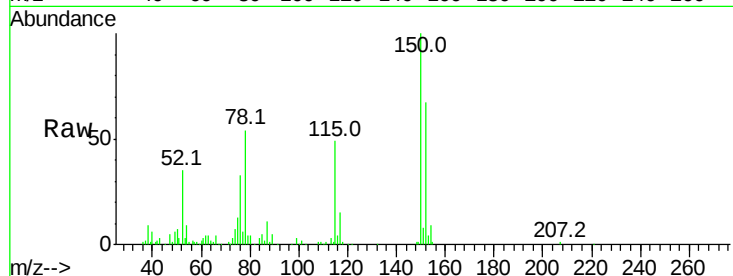
Tot Ion:152 Resp: 123850

Ion Ratio Lower Upper

152 100

150 150.0 119.5 179.3

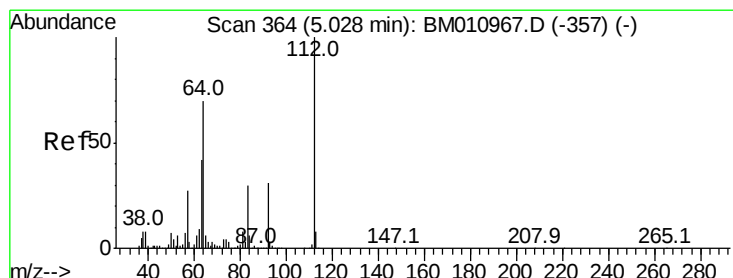
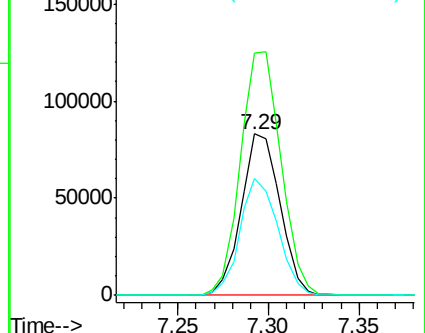
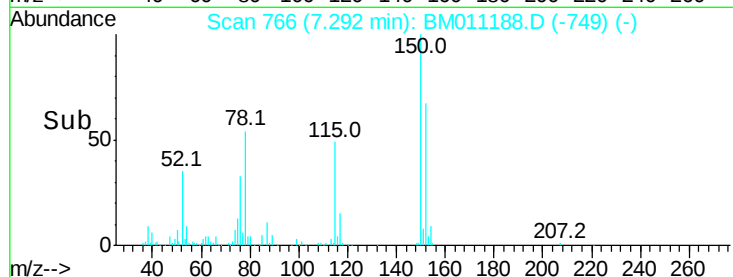
115 72.8 43.0 64.4#



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: 149.721 ng

RT: 4.94 min Scan# 366

Delta R.T. -0.09 min

Lab File: BM011188.D

Acq: 09 Aug 2017 23:22

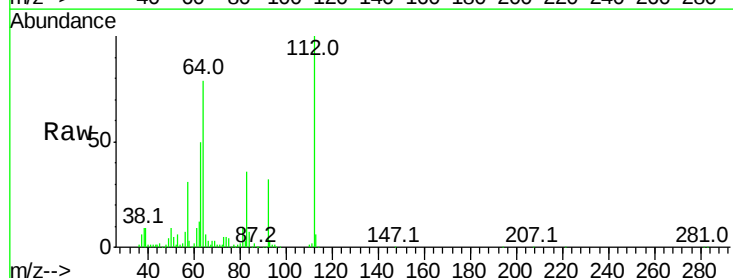
Tgt Ion:112 Resp: 1096928

Ion Ratio Lower Upper

112 100

64 78.9 38.6 57.8#

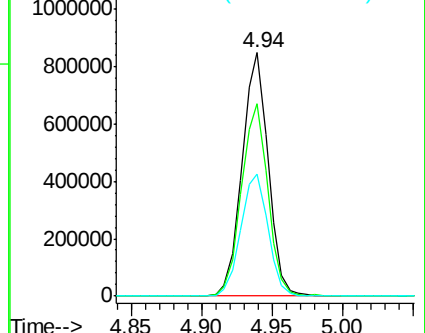
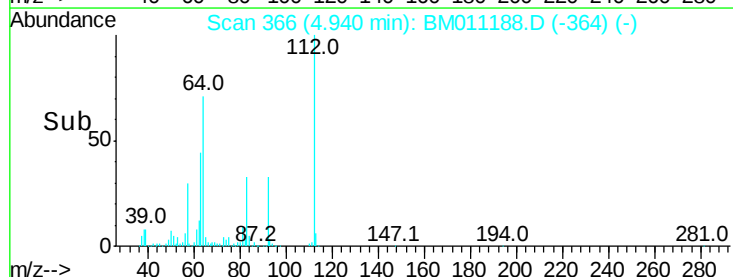
63 50.0 19.3 28.9#

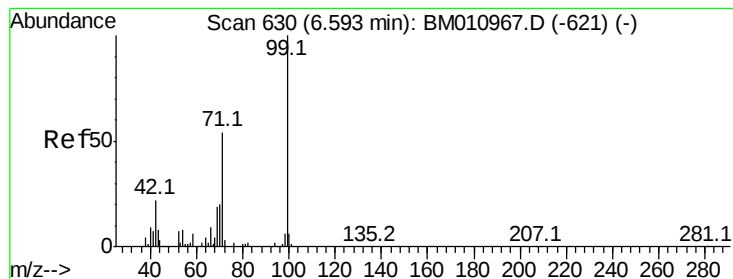


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 127.902 ng

RT: 6.50 min Scan# 632

Delta R.T. -0.09 min

Lab File: BM011188.D

Acq: 09 Aug 2017 23:22

Instrument :

BNA\_M

ClientSampleId :

CL-01-080717-B

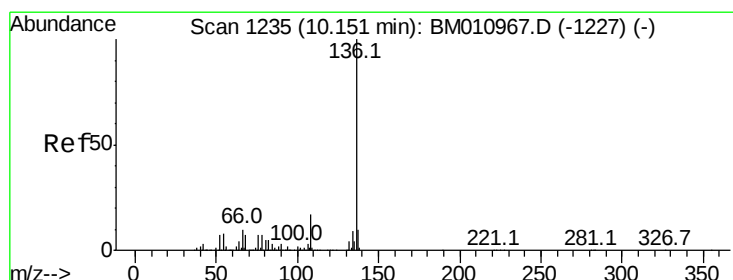
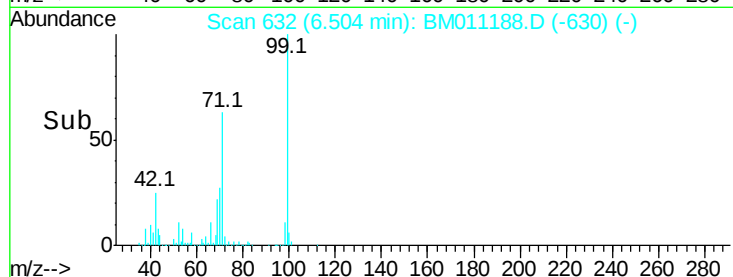
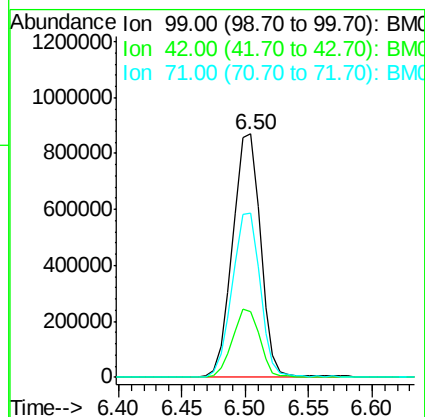
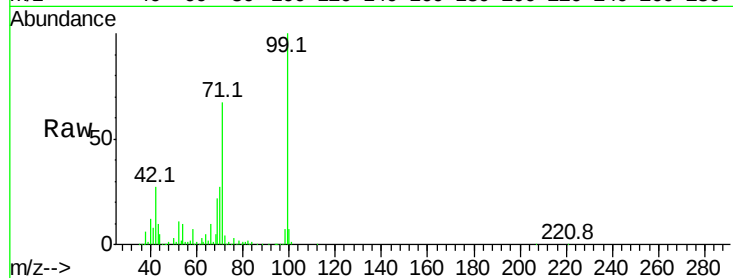
Tot Ion: 99 Resp: 1331405

Ion Ratio Lower Upper

99 100

42 27.2 11.0 16.4#

71 67.2 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.05 min Scan# 1235

Delta R.T. -0.10 min

Lab File: BM011188.D

Acq: 09 Aug 2017 23:22

Tgt Ion: 136 Resp: 422461

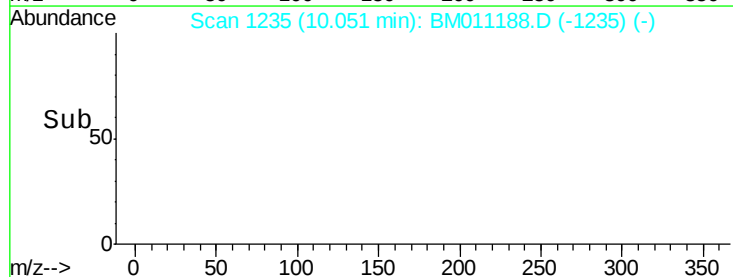
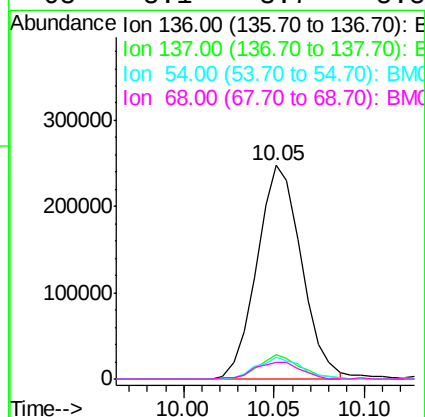
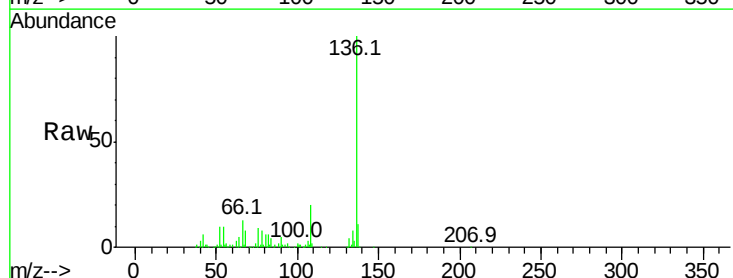
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 10.0 4.6 6.8#

68 8.1 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 123.101 ng

RT: 8.45 min Scan# 962

Delta R.T. -0.09 min

Lab File: BM011188.D

Acq: 09 Aug 2017 23:22

Instrument :

BNA\_M

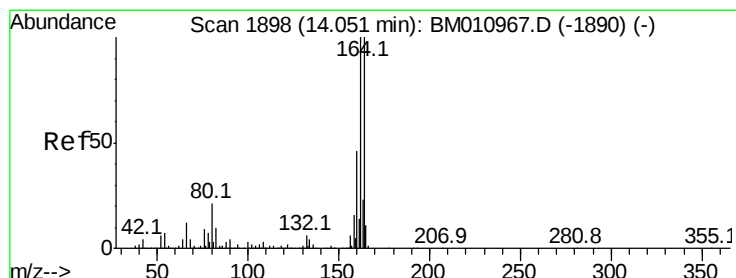
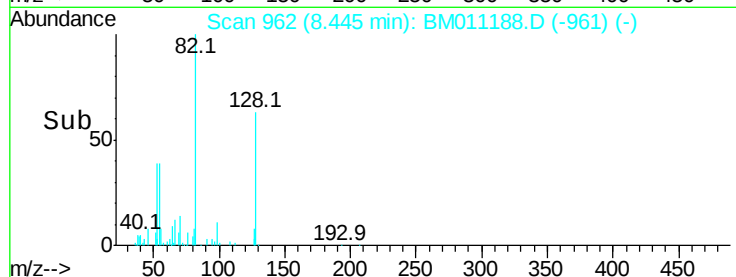
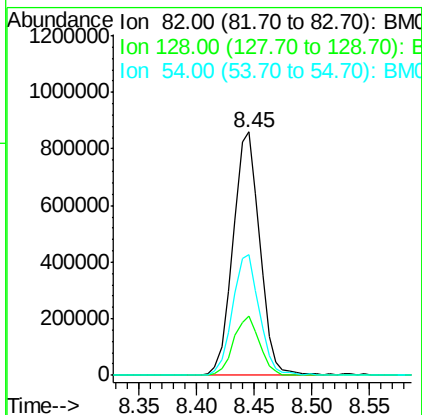
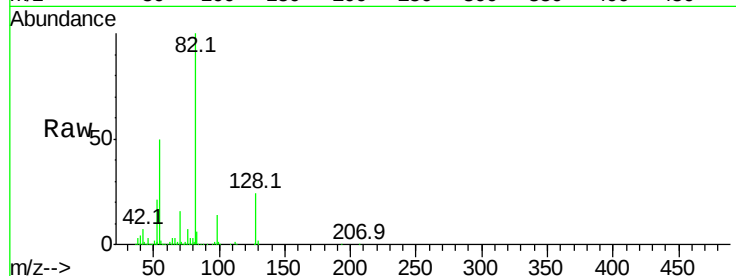
ClientSampleId :

CL-01-080717-B

Tot Ion: 82 Resp: 1385643

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 82  | 100  |      |       |
| 128 | 24.3 | 32.8 | 49.2# |
| 54  | 49.8 | 40.6 | 60.8  |



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.96 min Scan# 1900

Delta R.T. -0.09 min

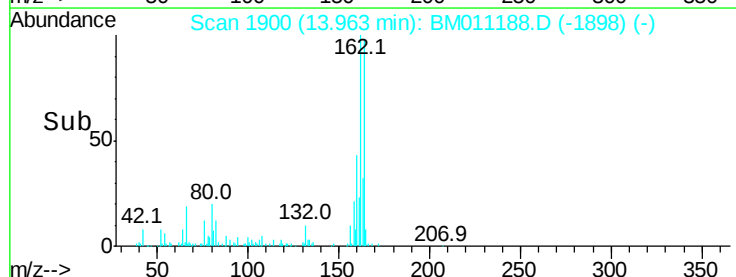
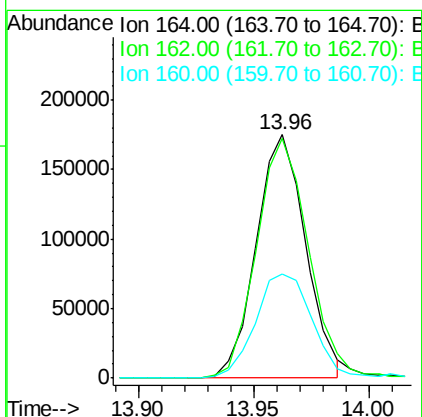
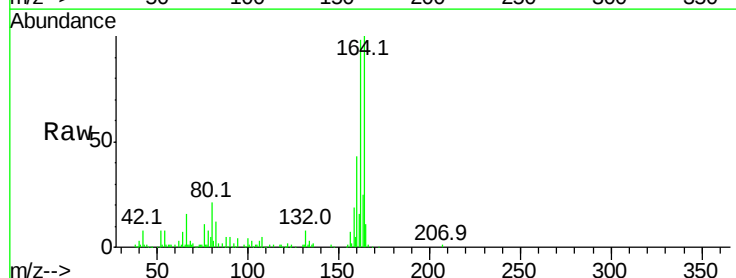
Lab File: BM011188.D

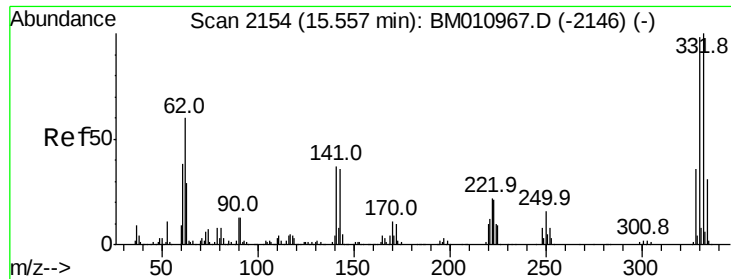
Acq: 09 Aug 2017 23:22

Tgt Ion:164 Resp: 259970

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 164 | 100  |      |       |
| 162 | 98.3 | 82.4 | 123.6 |
| 160 | 42.6 | 35.8 | 53.6  |

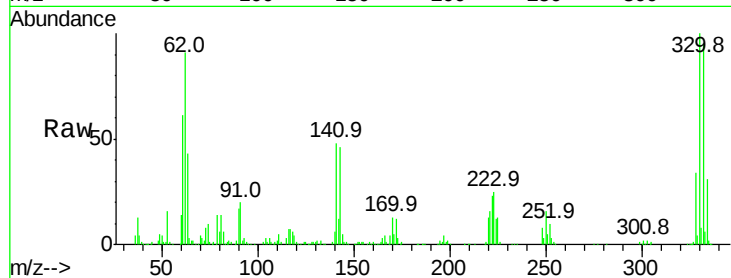




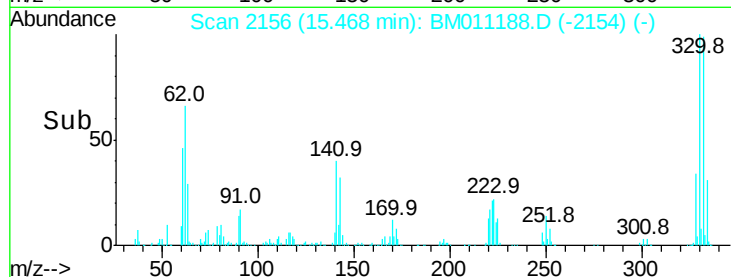
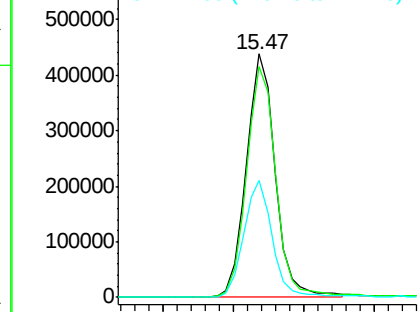
#41  
 2,4,6-Tribromophenol  
 Concen: 150.661 ng  
 RT: 15.47 min Scan# 2156  
 Delta R.T. -0.09 min  
 Lab File: BM011188.D  
 Acq: 09 Aug 2017 23:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-01-080717-B

Tot Ion:330 Resp: 627770  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 0.0 0.0#  
 141 46.9 0.0 0.0#

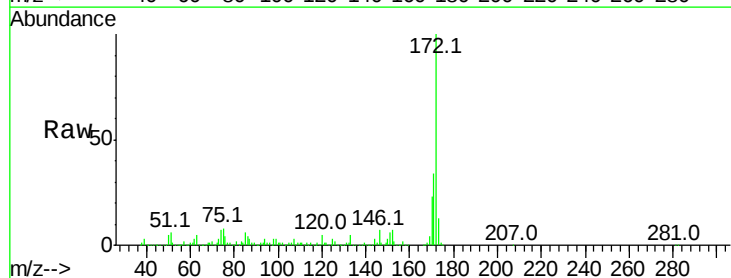


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

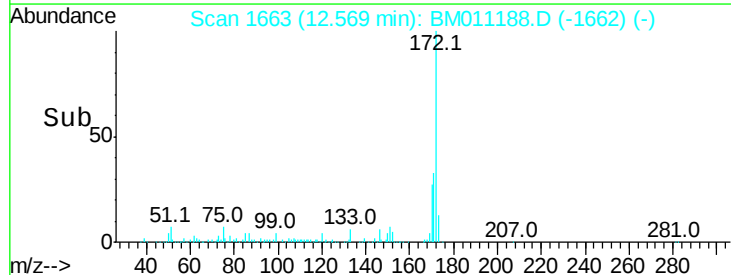
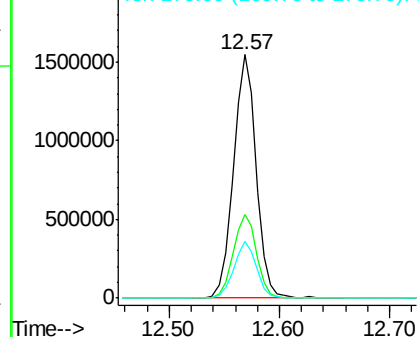


#44  
 2-Fluorobiphenyl  
 Concen: 107.906 ng  
 RT: 12.57 min Scan# 1663  
 Delta R.T. -0.09 min  
 Lab File: BM011188.D  
 Acq: 09 Aug 2017 23:22

Tgt Ion:172 Resp: 2236790  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 28.5 42.7  
 170 23.3 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

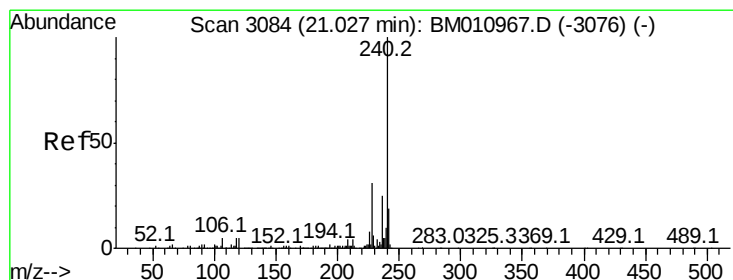
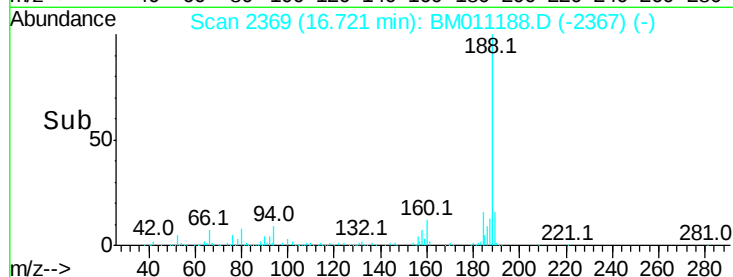
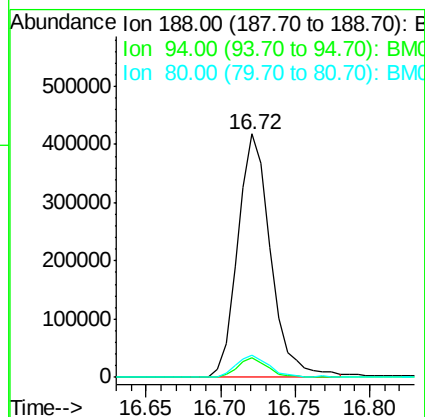
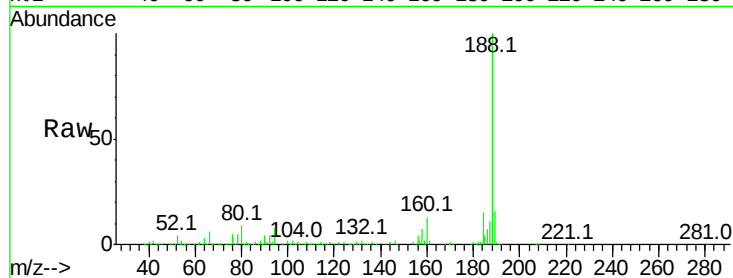




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.72 min Scan# 2369  
Delta R.T. -0.09 min  
Lab File: BM011188.D  
Acq: 09 Aug 2017 23:22

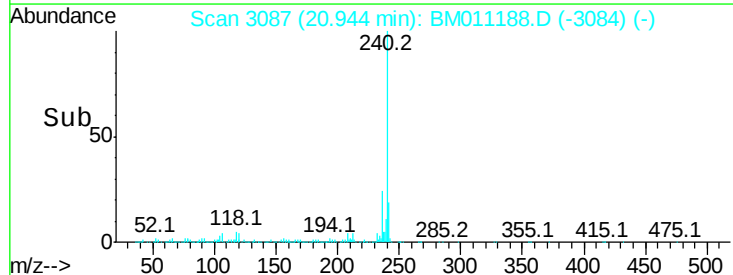
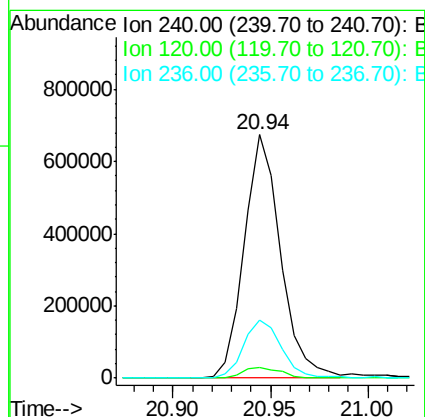
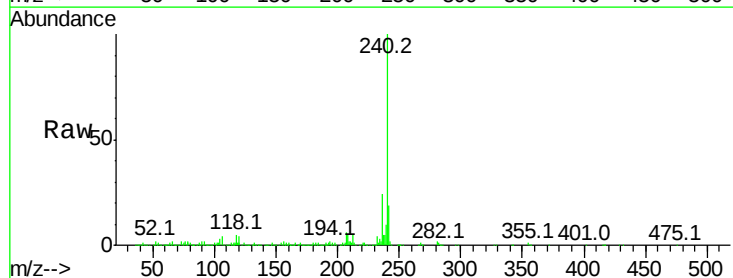
Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-080717-B

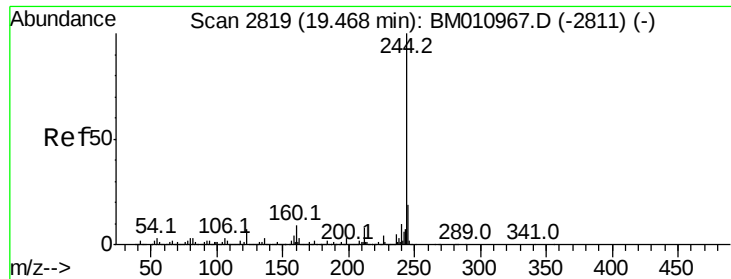
Tot Ion:188 Resp: 641909  
Ion Ratio Lower Upper  
188 100  
94 8.3 8.7 13.1#  
80 9.3 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 20.94 min Scan# 3087  
Delta R.T. -0.08 min  
Lab File: BM011188.D  
Acq: 09 Aug 2017 23:22

Tgt Ion:240 Resp: 873383  
Ion Ratio Lower Upper  
240 100  
120 4.1 8.2 12.2#  
236 24.1 20.0 30.0





#78

Terphenyl-d14

Concen: 88.235 ng

RT: 19.39 min Scan# 2823

Delta R.T. -0.08 min

Lab File: BM011188.D

Acq: 09 Aug 2017 23:22

Instrument :

BNA\_M

ClientSampleId :

CL-01-080717-B

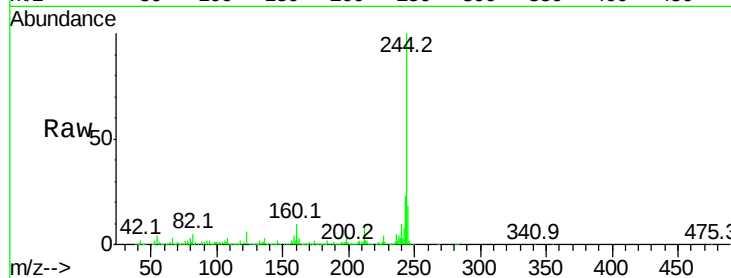
Tot Ion:244 Resp: 3890375

Ion Ratio Lower Upper

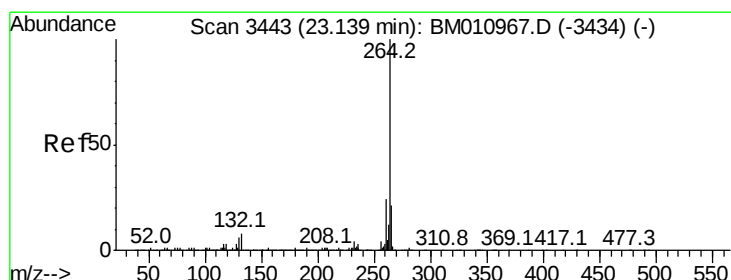
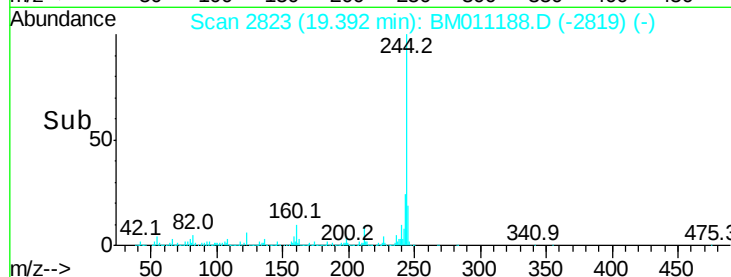
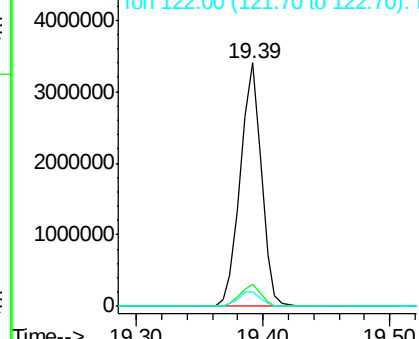
244 100

212 8.9 4.9 7.3#

122 6.1 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: 23.02 min Scan# 3440

Delta R.T. -0.12 min

Lab File: BM011188.D

Acq: 09 Aug 2017 23:22

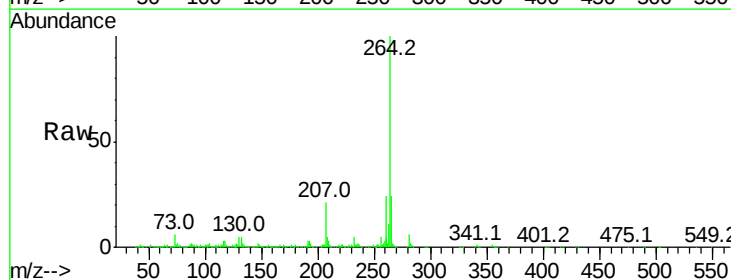
Tgt Ion:264 Resp: 884372

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 23.9 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

