

Data Path : Z:\HPCHEM1\BNA M\DATA\BM083117\  
 Data File : BM011381.D  
 Acq On : 31 Aug 2017 20:44  
 Operator : SJ/JU  
 Sample : I5001-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EB-2017-08-26

Quant Time: Sep 01 06:51:11 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 31 18:39:59 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 575610   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 2411476  | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.62 | 164  | 1361673  | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.36 | 188  | 3077233  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.52 | 240  | 3409320  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.91 | 264  | 2919565  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 2269291  | 66.36  | ng    | 0.00     |
| 7) Phenol-d6                | 7.14  | 99   | 1816928  | 38.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 3451026  | 94.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.10 | 330  | 2228306  | 141.44 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 8512752  | 90.12  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.97 | 244  | 11558229 | 84.12  | ng    | 0.00     |

Target Compounds Qvalue

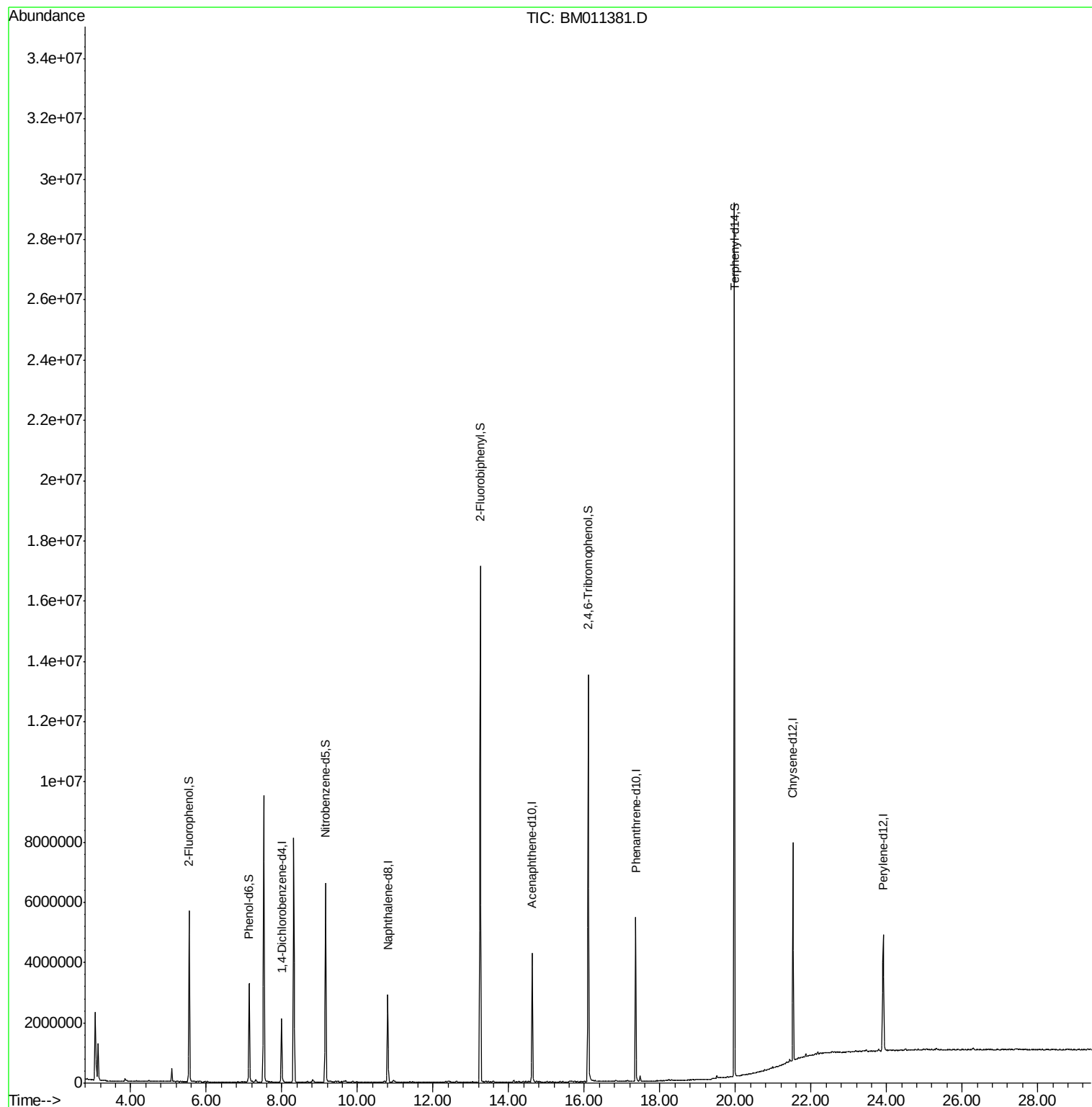
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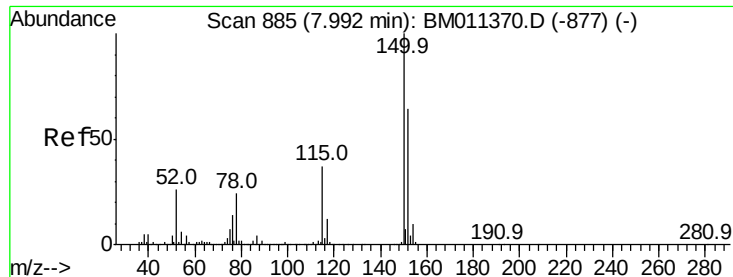
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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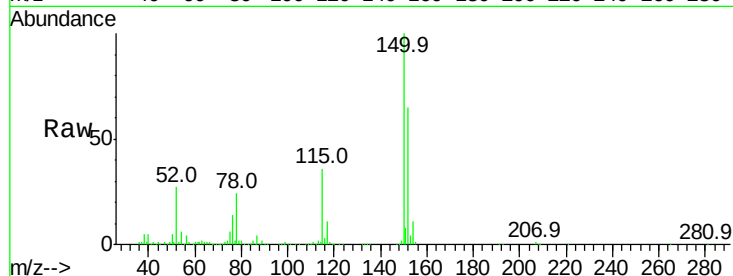


#1

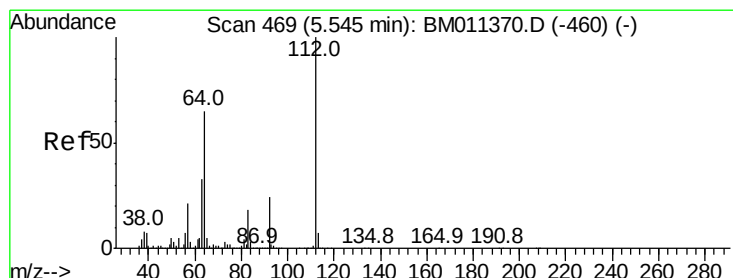
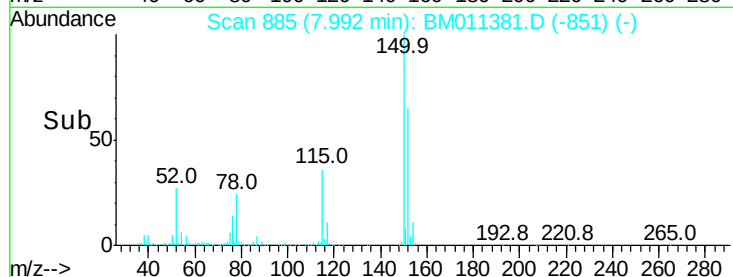
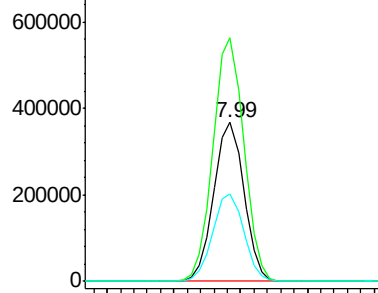
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 885  
Delta R.T. 0.00 min  
Lab File: BM011381.D  
Acq: 31 Aug 2017 20:44

Instrument :  
BNA\_M  
ClientSampleId :  
EB-2017-08-26

Tot Ion:152 Resp: 575610  
Ion Ratio Lower Upper  
152 100  
150 153.1 119.5 179.3  
115 55.1 43.0 64.4



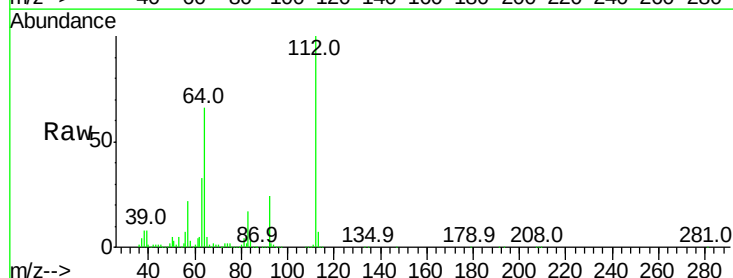
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



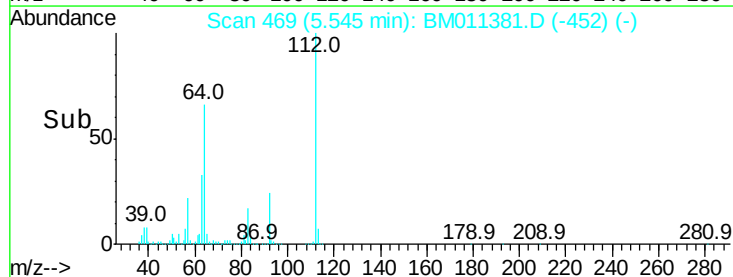
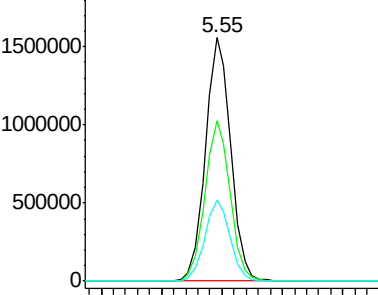
#5

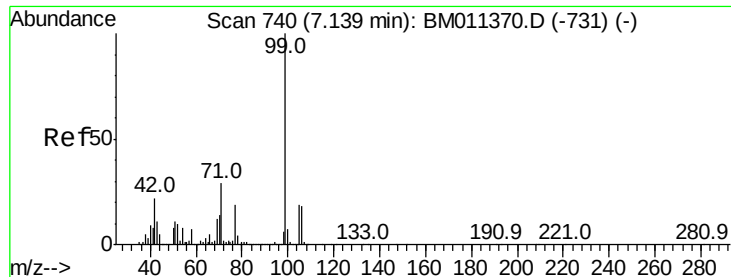
2-Fluorophenol  
Concen: 66.362 ng  
RT: 5.55 min Scan# 469  
Delta R.T. 0.00 min  
Lab File: BM011381.D  
Acq: 31 Aug 2017 20:44

Tgt Ion:112 Resp: 2269291  
Ion Ratio Lower Upper  
112 100  
64 65.9 38.6 57.8#  
63 33.2 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: 38.318 ng

RT: 7.14 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM011381.D

Acq: 31 Aug 2017 20:44

Instrument :

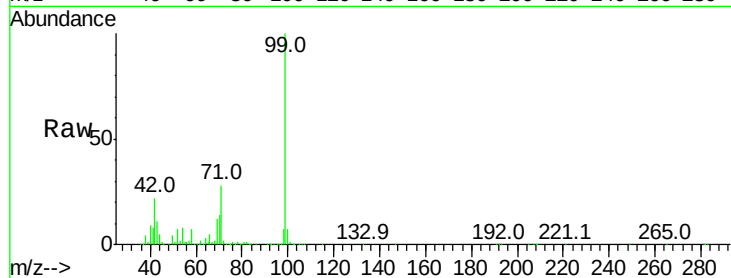
BNA\_M

ClientSampleId :

EB-2017-08-26

Tot Ion: 99 Resp: 1816928

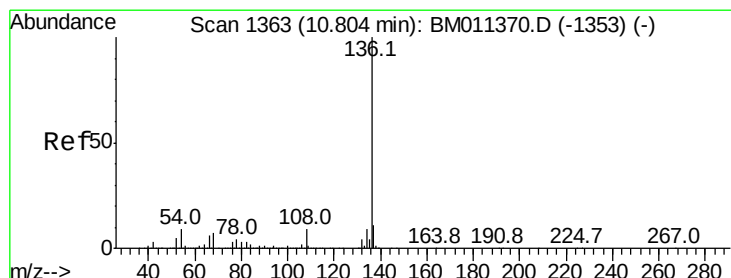
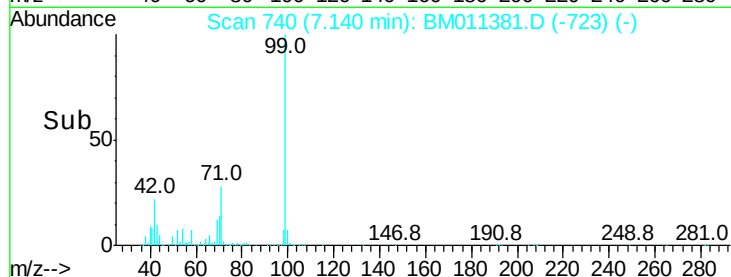
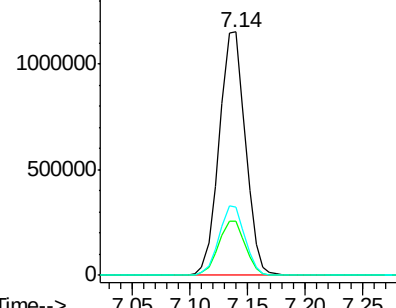
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.3  | 11.0  | 16.4# |
| 71  | 27.9  | 23.4  | 35.2  |



Abundance Ion 99.00 (98.70 to 99.70): BM011370.D (-731) (-)

Ion 42.00 (41.70 to 42.70): BM011370.D (-731) (-)

Ion 71.00 (70.70 to 71.70): BM011370.D (-731) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1362

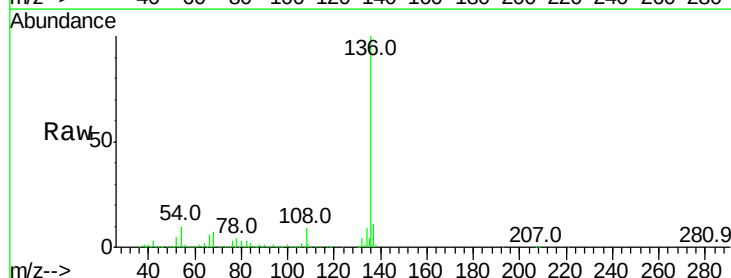
Delta R.T. -0.01 min

Lab File: BM011381.D

Acq: 31 Aug 2017 20:44

Tgt Ion: 136 Resp: 2411476

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.7   | 13.1  |
| 54  | 9.8   | 4.6   | 6.8#  |
| 68  | 7.0   | 3.7   | 5.5#  |

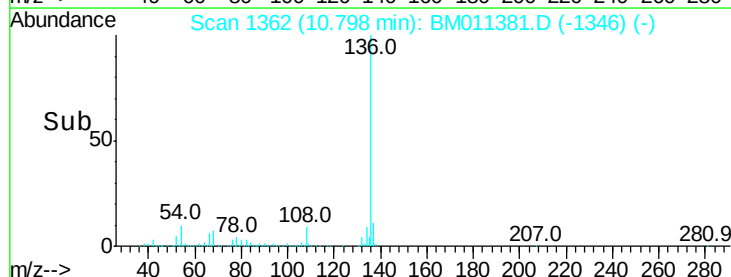
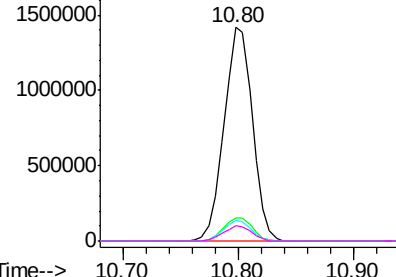


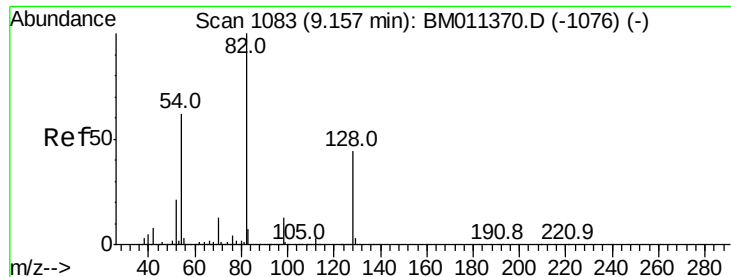
Abundance Ion 136.00 (135.70 to 136.70): BM011370.D (-1353) (-)

Ion 137.00 (136.70 to 137.70): BM011370.D (-1353) (-)

Ion 54.00 (53.70 to 54.70): BM011370.D (-1353) (-)

Ion 68.00 (67.70 to 68.70): BM011370.D (-1353) (-)

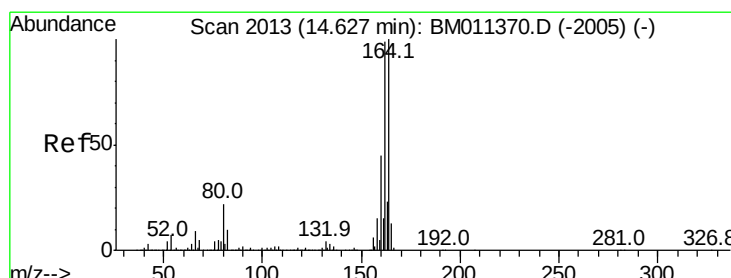
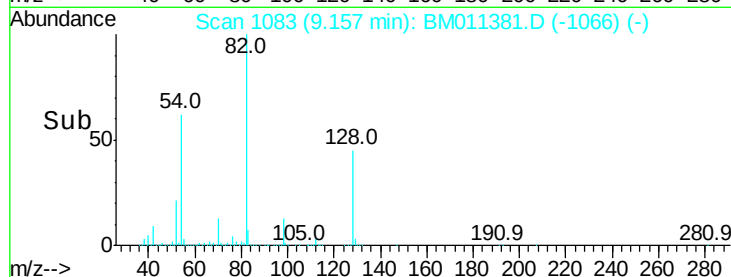
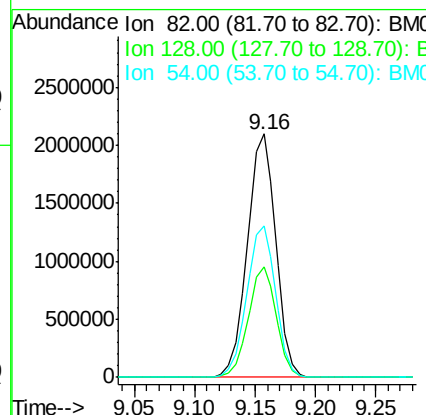
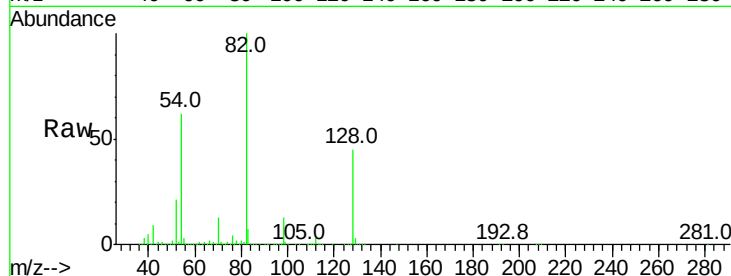




#23  
 Nitrobenzene-d5  
 Concen: 94.306 ng  
 RT: 9.16 min Scan# 1083  
 Delta R.T. 0.00 min  
 Lab File: BM011381.D  
 Acq: 31 Aug 2017 20:44

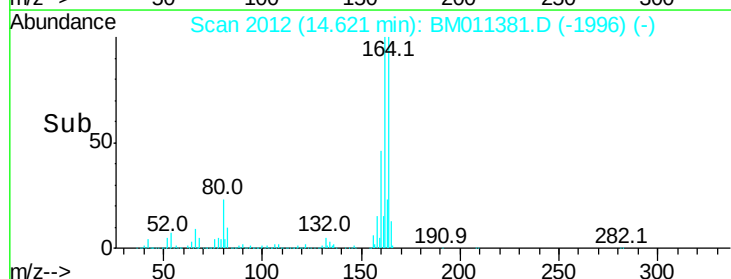
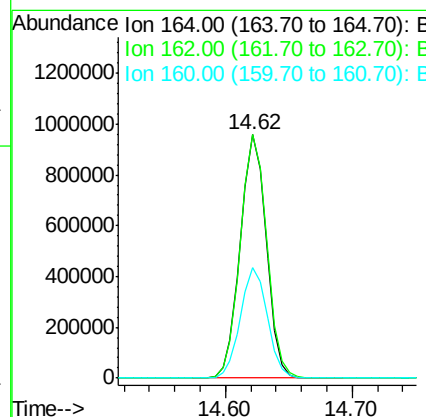
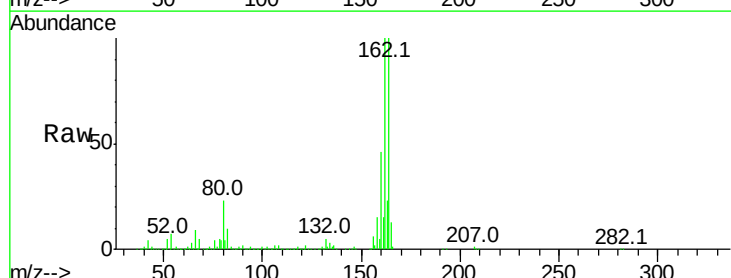
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EB-2017-08-26

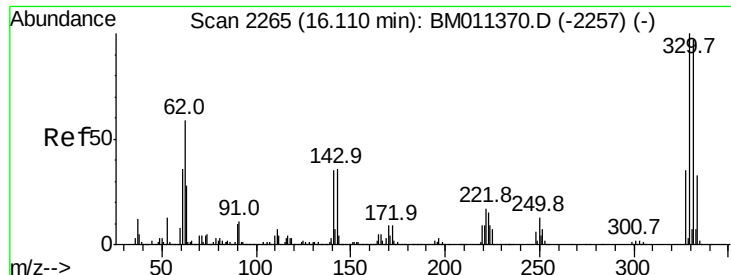
Tot Ion: 82 Resp: 3451026  
 Ion Ratio Lower Upper  
 82 100  
 128 45.5 32.8 49.2  
 54 62.3 40.6 60.8#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.62 min Scan# 2012  
 Delta R.T. -0.01 min  
 Lab File: BM011381.D  
 Acq: 31 Aug 2017 20:44

Tgt Ion:164 Resp: 1361673  
 Ion Ratio Lower Upper  
 164 100  
 162 100.2 82.4 123.6  
 160 45.6 35.8 53.6

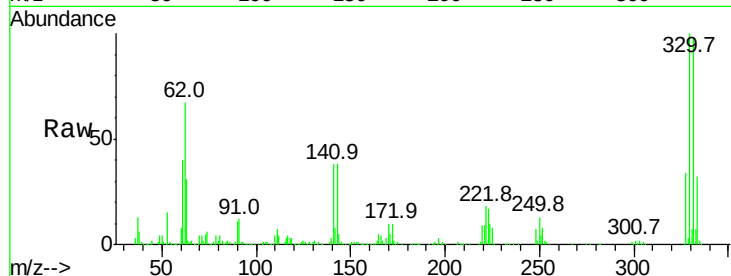




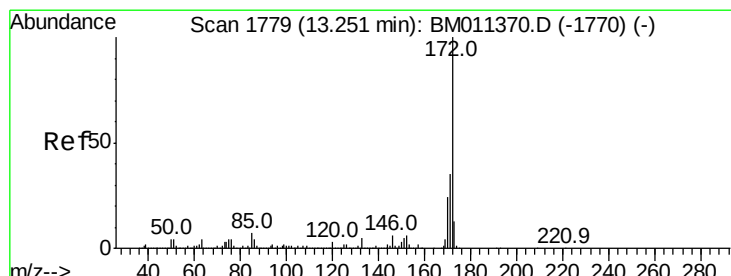
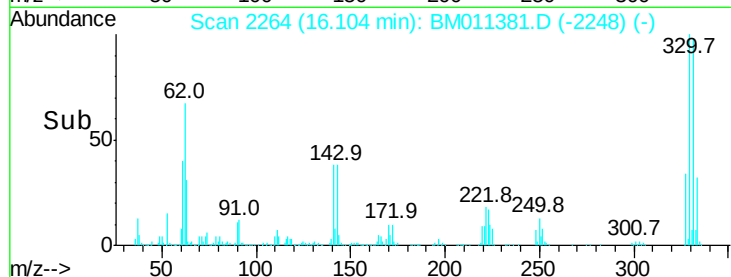
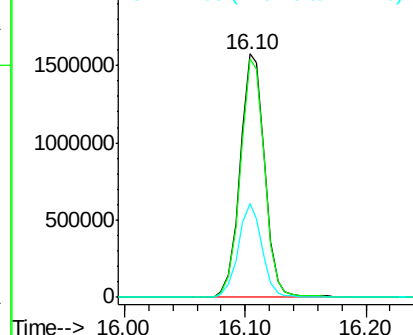
#41  
 2,4,6-Tribromophenol  
 Concen: 141.444 ng  
 RT: 16.10 min Scan# 2264  
 Delta R.T. -0.01 min  
 Lab File: BM011381.D  
 Acq: 31 Aug 2017 20:44

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EB-2017-08-26

Tot Ion:330 Resp: 2228306  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 0.0 0.0#  
 141 37.4 0.0 0.0#

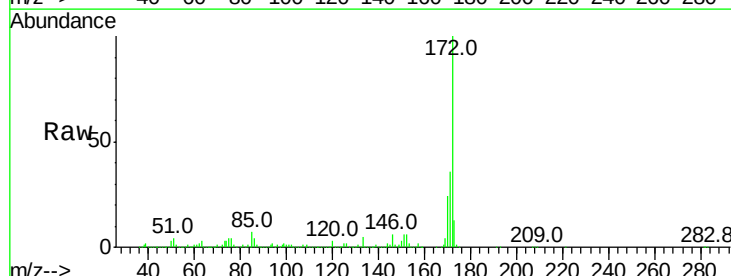


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

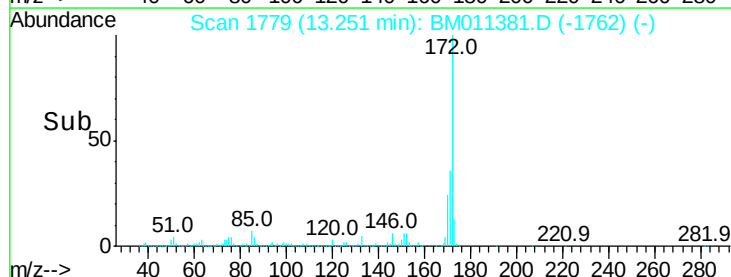
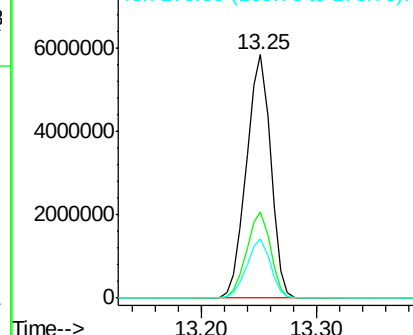


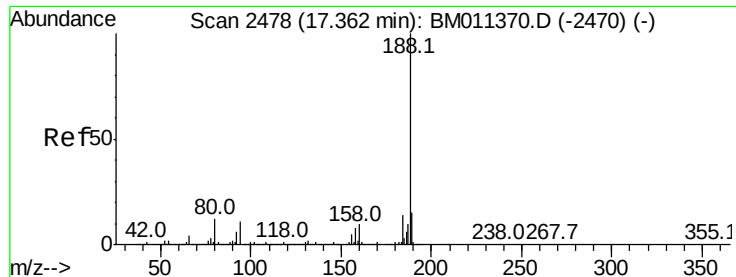
#44  
 2-Fluorobiphenyl  
 Concen: 90.117 ng  
 RT: 13.25 min Scan# 1779  
 Delta R.T. 0.00 min  
 Lab File: BM011381.D  
 Acq: 31 Aug 2017 20:44

Tgt Ion:172 Resp: 8512752  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.5 42.7  
 170 24.4 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

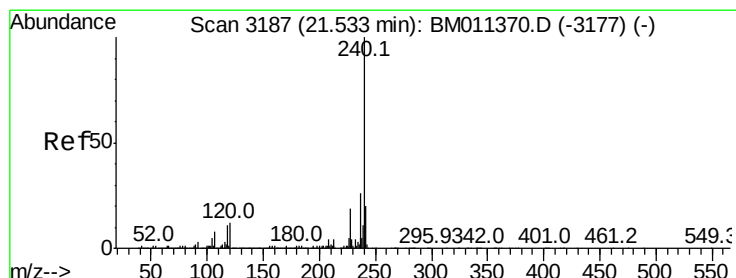
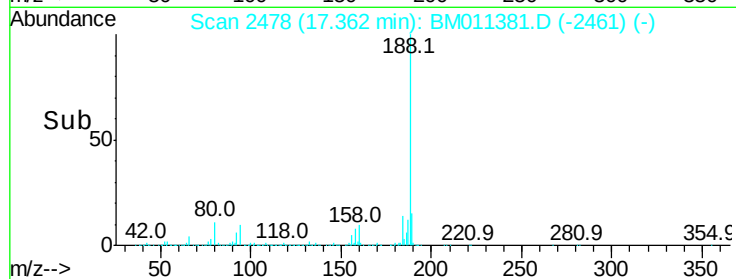
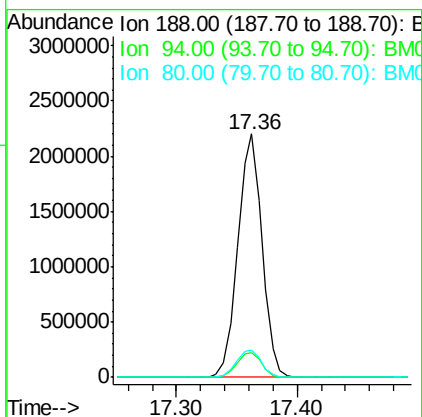
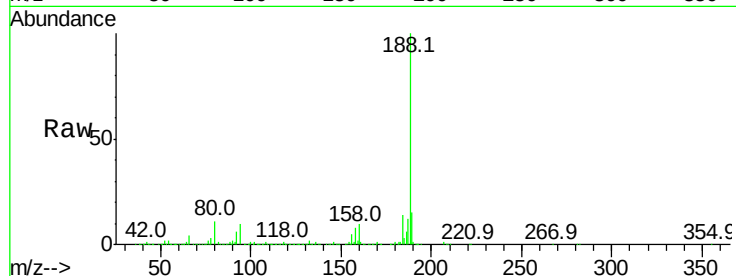




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.36 min Scan# 2478  
Delta R.T. 0.00 min  
Lab File: BM011381.D  
Acq: 31 Aug 2017 20:44

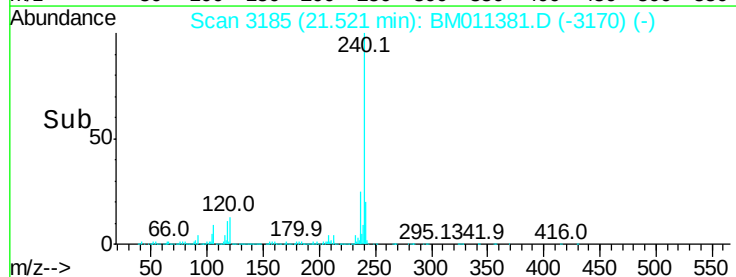
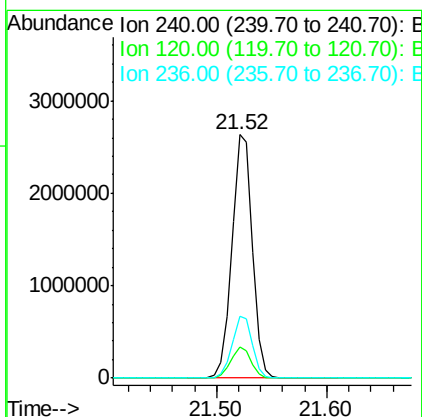
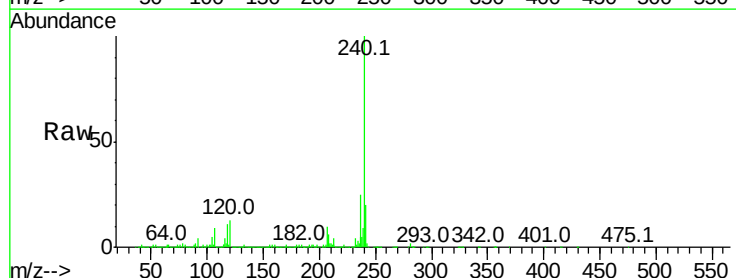
Instrument :  
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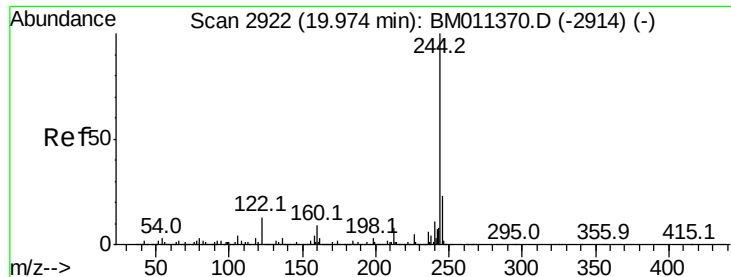
Tot Ion:188 Resp: 3077233  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.7 13.1  
80 11.2 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.52 min Scan# 3185  
Delta R.T. -0.01 min  
Lab File: BM011381.D  
Acq: 31 Aug 2017 20:44

Tgt Ion:240 Resp: 3409320  
Ion Ratio Lower Upper  
240 100  
120 12.9 8.2 12.2#  
236 25.3 20.0 30.0

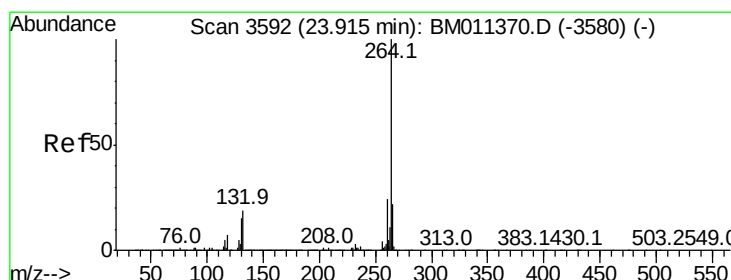
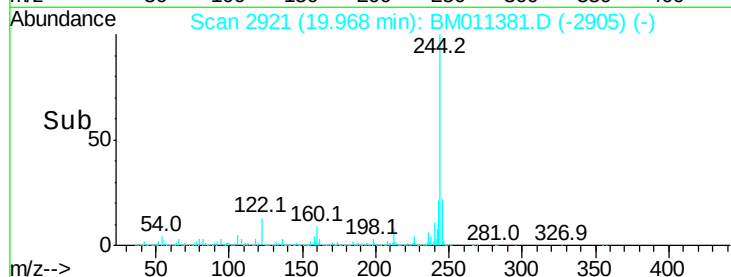
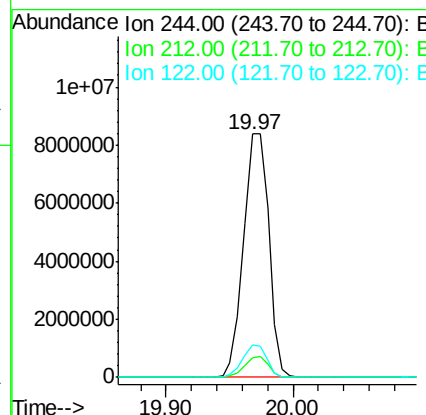
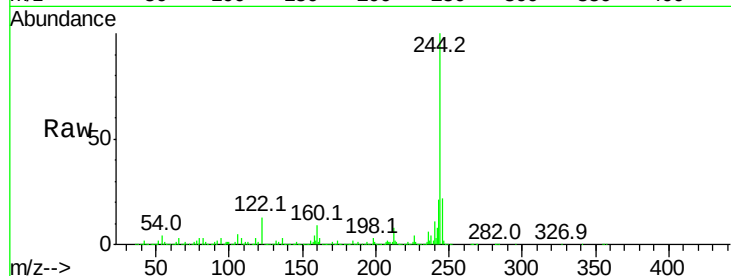




#78  
 Terphenyl-d14  
 Concen: 84.118 ng  
 RT: 19.97 min Scan# 2921  
 Delta R.T. -0.01 min  
 Lab File: BM011381.D  
 Acq: 31 Aug 2017 20:44

Instrument :  
 BNA\_M  
 ClientSampled :  
 EB-2017-08-26

Tot Ion:244 Resp:11558229  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 4.9 7.3#  
 122 13.1 6.2 9.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.91 min Scan# 3591  
 Delta R.T. -0.01 min  
 Lab File: BM011381.D  
 Acq: 31 Aug 2017 20:44

Tgt Ion:264 Resp: 2919565  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.6 27.8  
 265 22.2 17.3 25.9

