

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052517\  
 Data File : BM010243.D  
 Acq On : 26 May 2017 06:46  
 Operator : SJ/MA  
 Sample : I3331-17  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-23COMP

Quant Time: May 26 08:05:53 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM051917.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 07:20:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.94  | 152  | 111966   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.75 | 136  | 365599   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.57 | 164  | 229596   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.32 | 188  | 611898   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.48 | 240  | 936104   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.84 | 264  | 929296   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 897239   | 144.71 | ng    | 0.00     |
| 7) Phenol-d6                | 7.13  | 99   | 982459   | 123.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.13  | 82   | 774734   | 114.33 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.07 | 330  | 582676   | 167.10 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.20 | 172  | 1902218  | 106.51 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.92 | 244  | 4130186  | 100.32 | ng    | 0.00     |

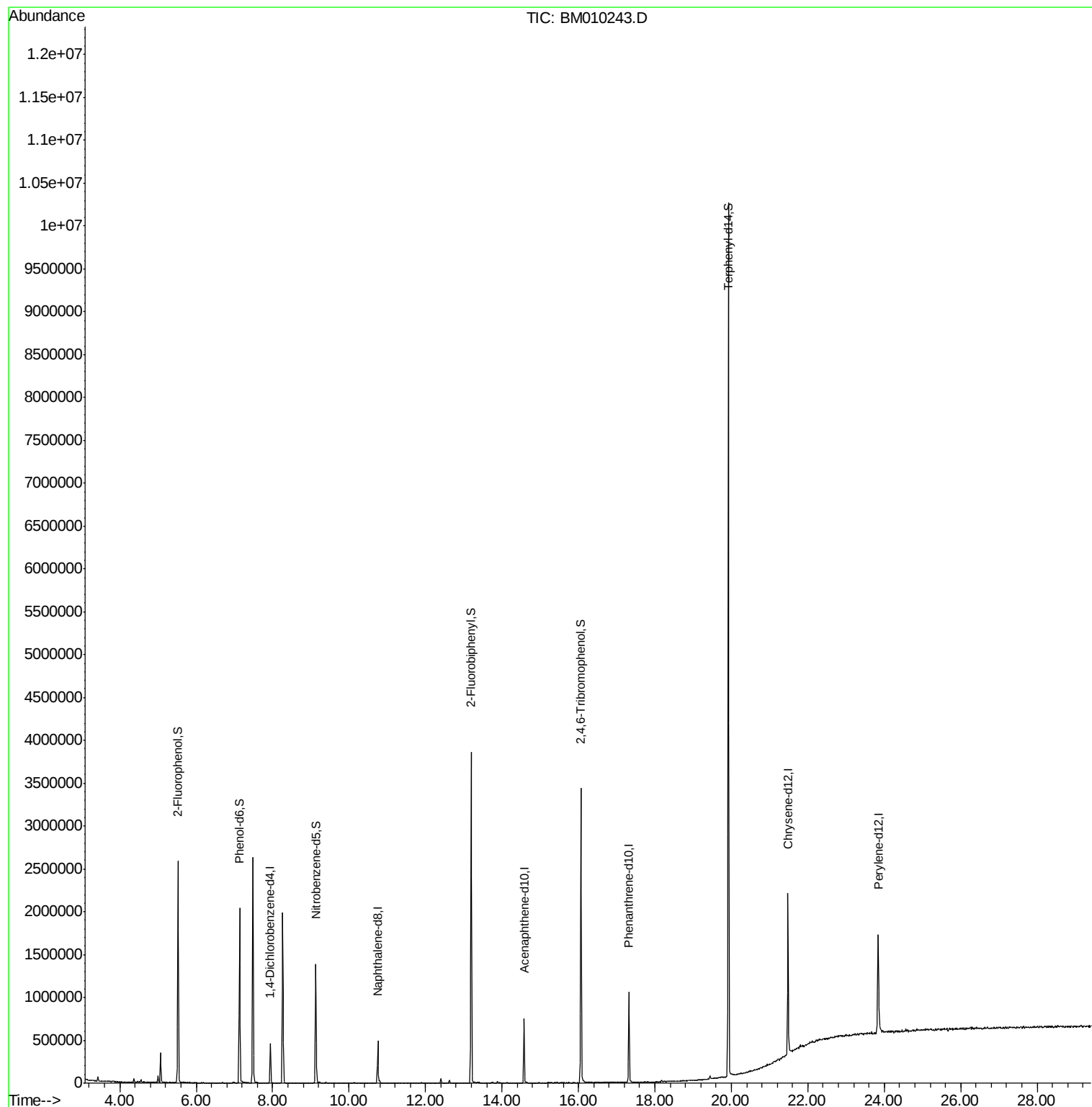
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

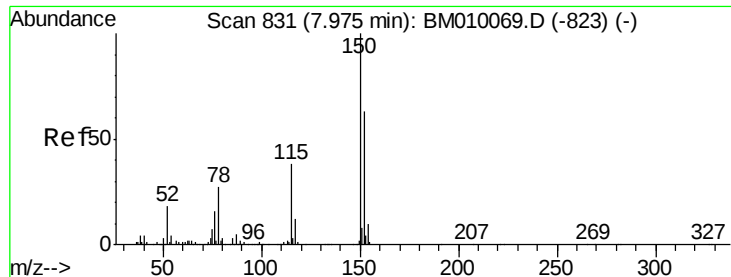
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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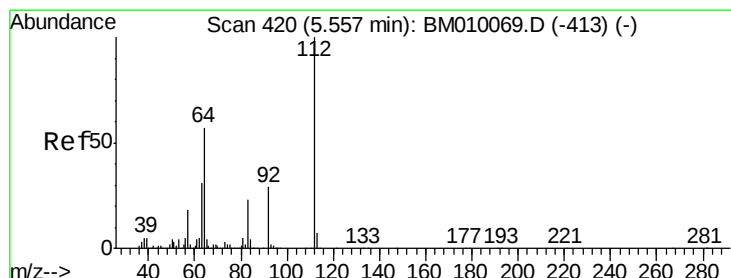
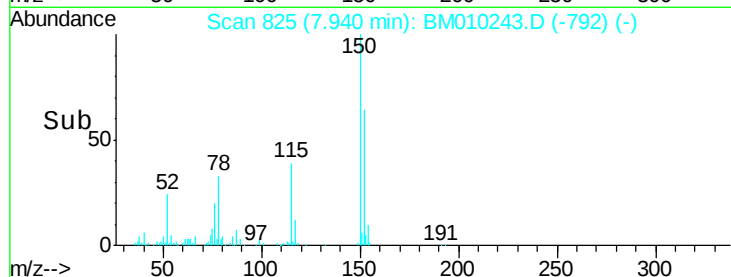
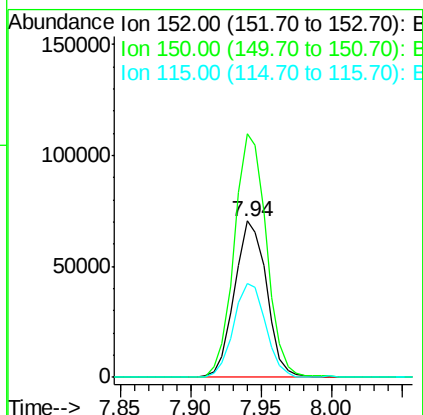
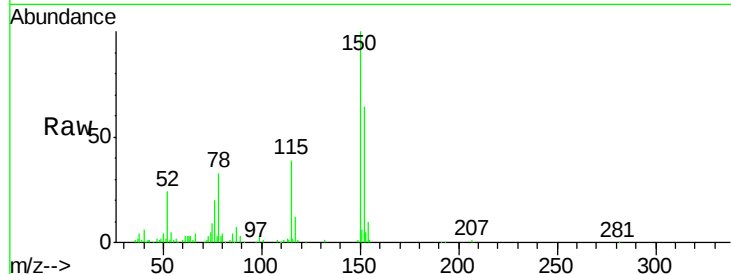


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.94 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: BM010243.D  
Acq: 26 May 2017 06:46

Instrument :  
BNA\_M  
ClientSampleId :  
SB-23COMP

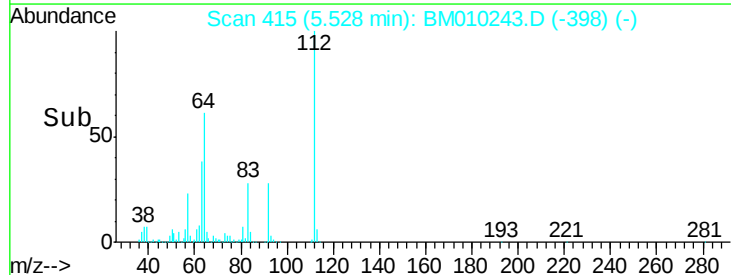
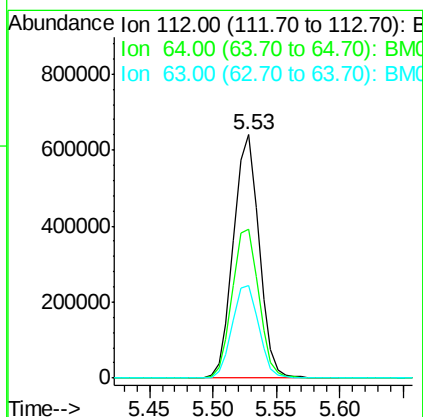
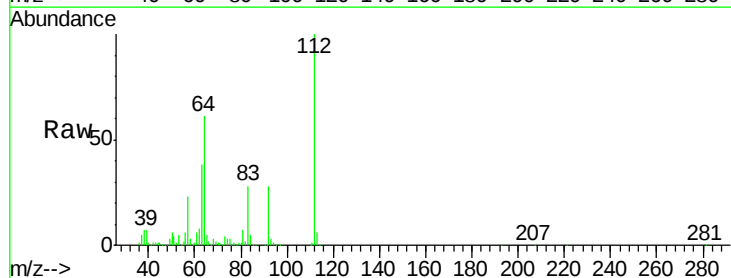
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.0 | 119.5 | 179.3 |
| 115     | 60.2  | 43.0  | 64.4  |

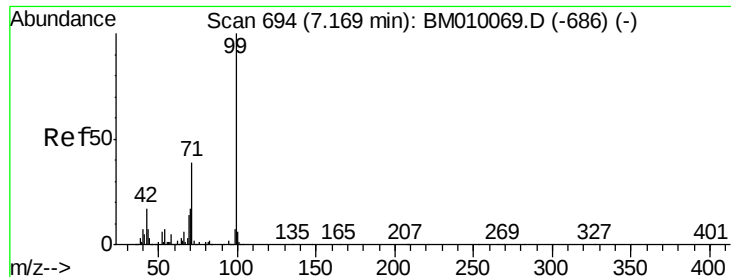


#5

2-Fluorophenol  
Concen: 144.71 ng  
RT: 5.53 min Scan# 415  
Delta R.T. 0.00 min  
Lab File: BM010243.D  
Acq: 26 May 2017 06:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 38.6  | 57.8# |
| 63      | 38.0  | 19.3  | 28.9# |





#7

Phenol-d6

Concen: 123.14 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.01 min

Lab File: BM010243.D

Acq: 26 May 2017 06:46

Instrument :

BNA\_M

ClientSampleId :

SB-23COMP

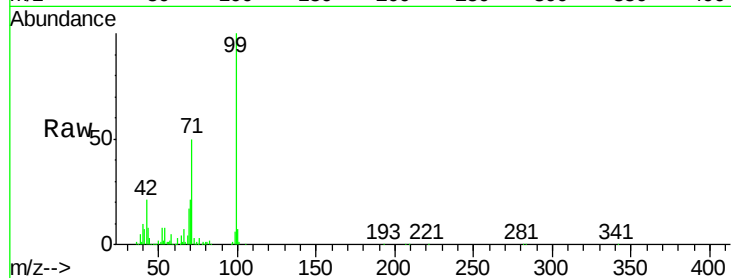
Tgt Ion: 99 Resp: 982459

Ion Ratio Lower Upper

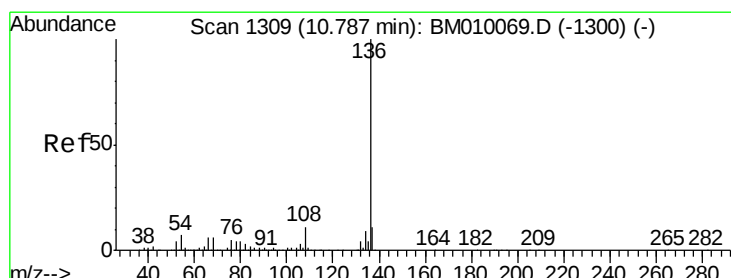
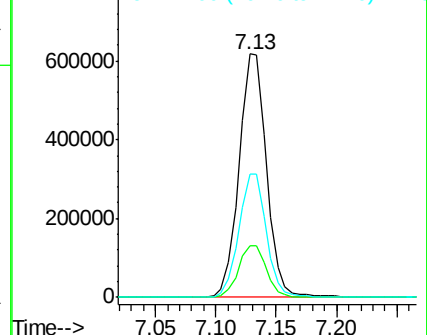
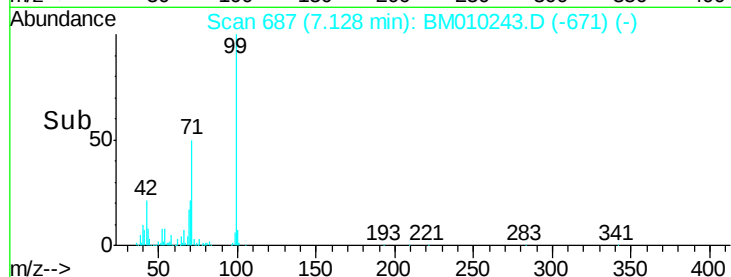
99 100

42 21.4 11.0 16.4#

71 50.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010243.D (-671) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BM010243.D

Acq: 26 May 2017 06:46

Tgt Ion: 136 Resp: 365599

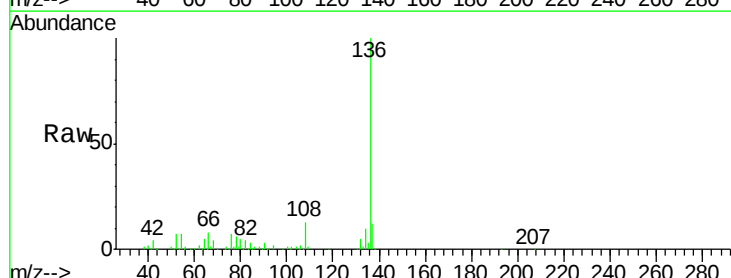
Ion Ratio Lower Upper

136 100

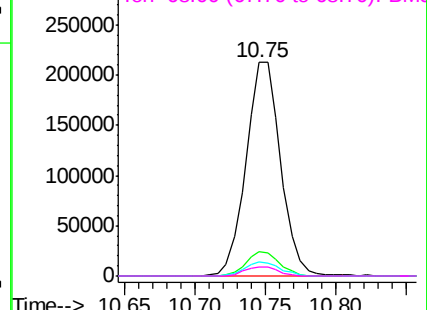
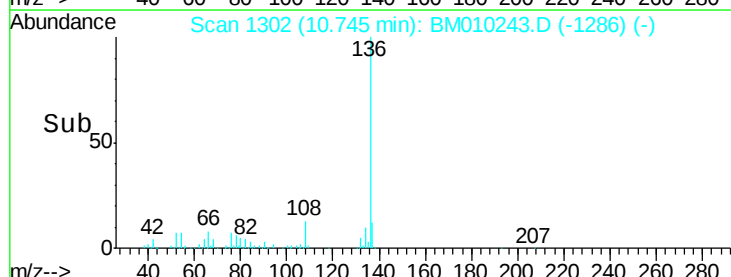
137 11.7 8.7 13.1

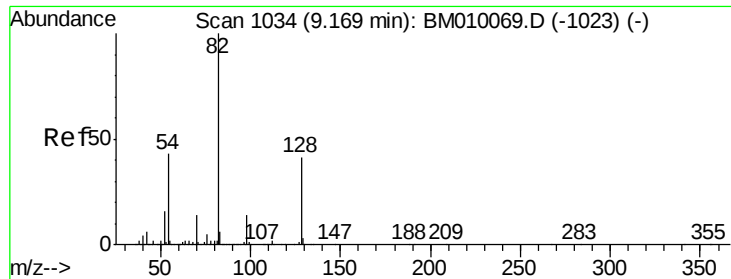
54 6.6 4.6 6.8

68 4.2 3.7 5.5



Abundance Ion 136.00 (135.70 to 136.70): BM010243.D (-1286) (-)

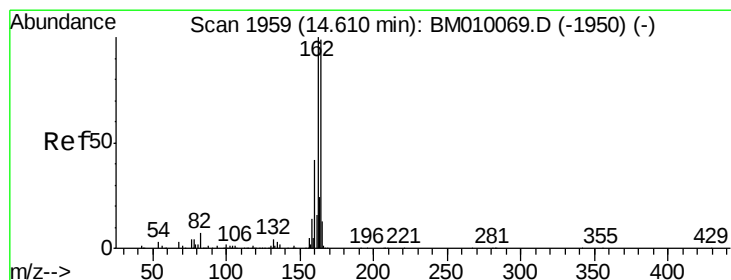
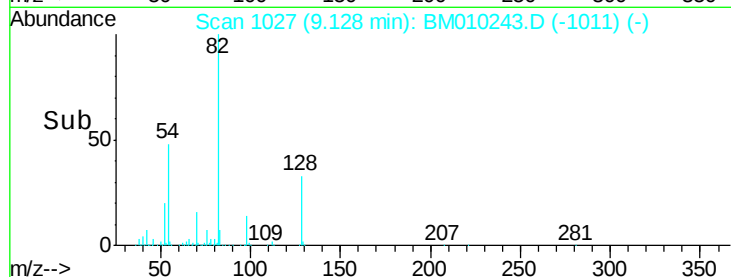
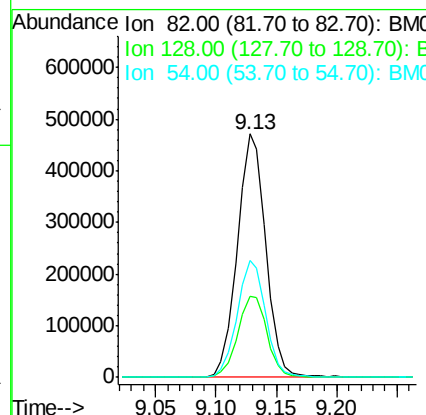
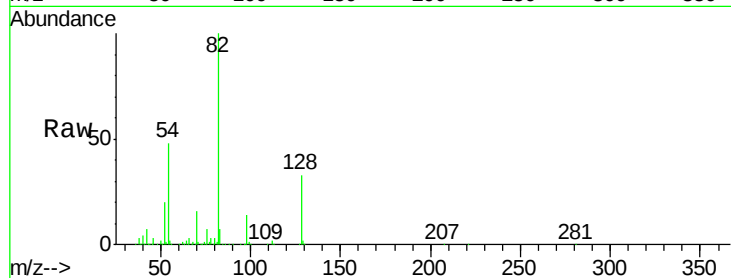




#23  
 Nitrobenzene-d5  
 Concen: 114.33 ng  
 RT: 9.13 min Scan# 1027  
 Delta R.T. -0.01 min  
 Lab File: BM010243.D  
 Acq: 26 May 2017 06:46

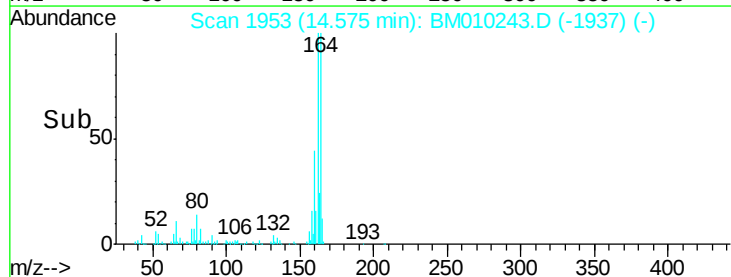
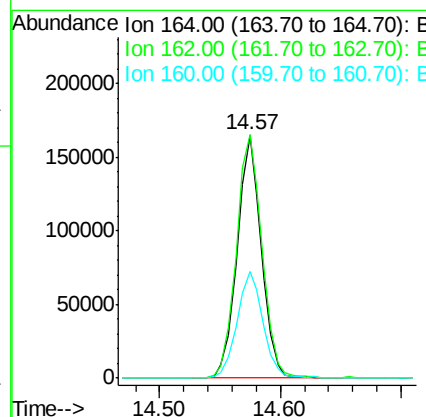
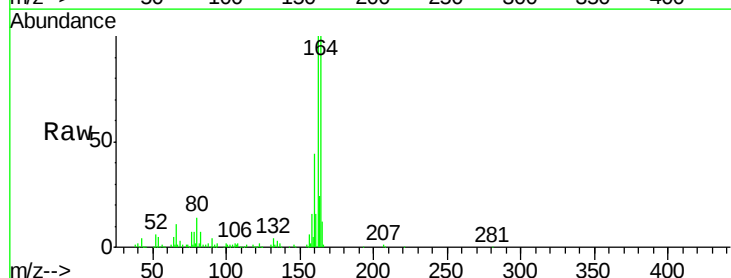
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-23COMP

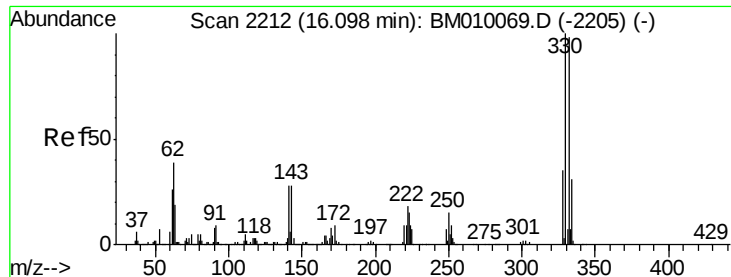
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.2  | 32.8  | 49.2  |
| 54      | 48.3  | 40.6  | 60.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.57 min Scan# 1953  
 Delta R.T. -0.01 min  
 Lab File: BM010243.D  
 Acq: 26 May 2017 06:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.3 | 82.4  | 123.6 |
| 160     | 44.2  | 35.8  | 53.6  |

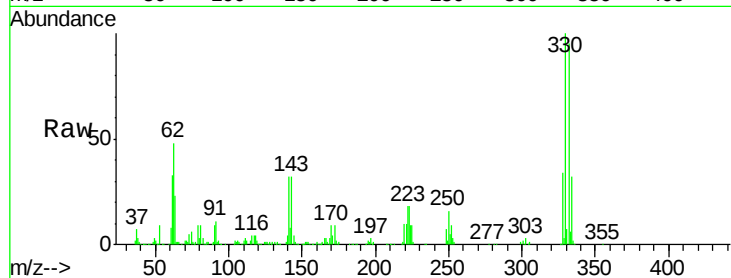




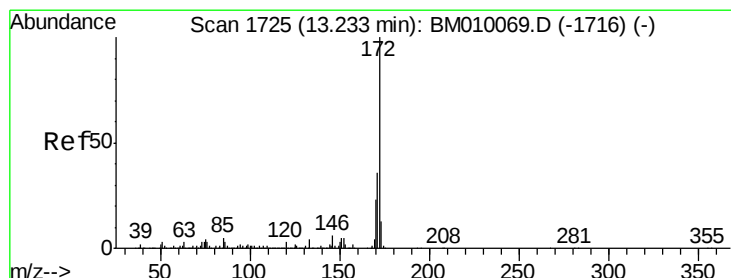
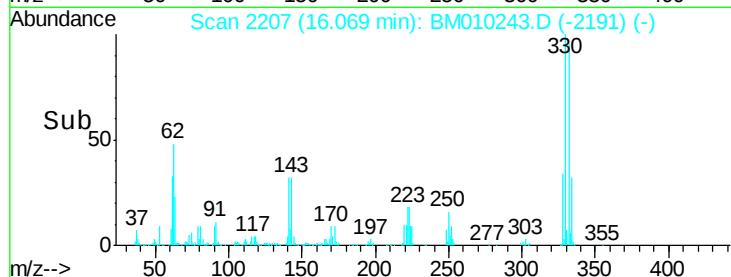
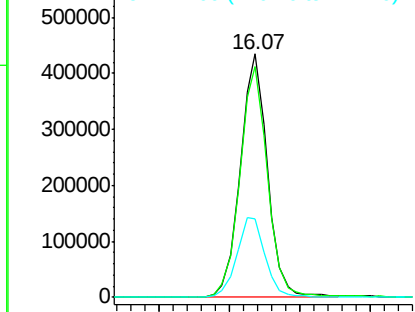
#41  
 2,4,6-Tribromophenol  
 Concen: 167.10 ng  
 RT: 16.07 min Scan# 2207  
 Delta R.T. -0.01 min  
 Lab File: BM010243.D  
 Acq: 26 May 2017 06:46

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-23COMP

Tgt Ion:330 Resp: 582676  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 0.0 0.0#  
 141 34.3 0.0 0.0#

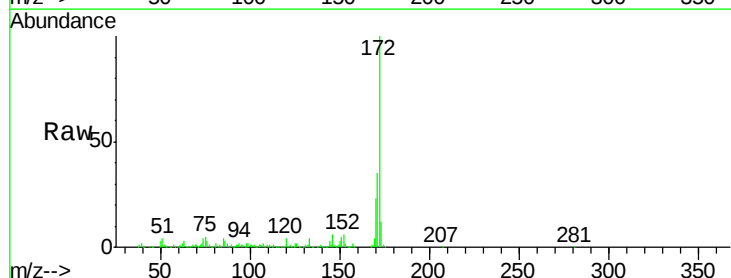


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

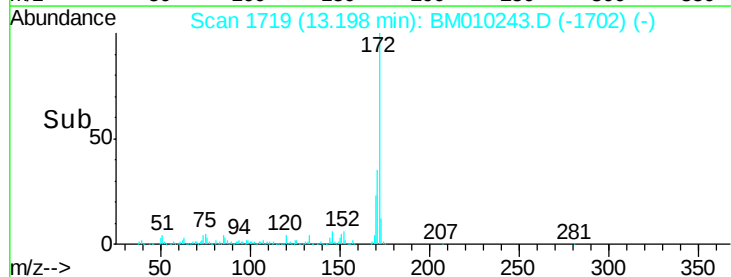
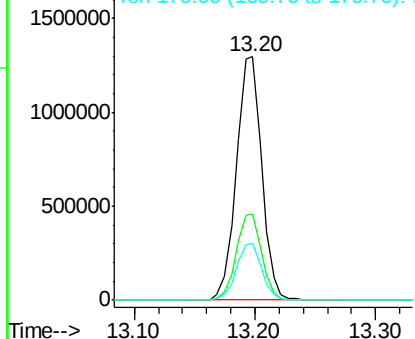


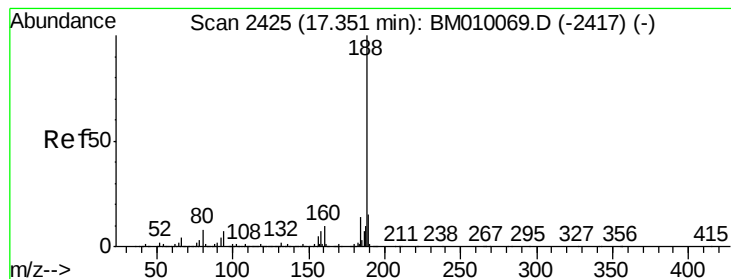
#44  
 2-Fluorobiphenyl  
 Concen: 106.51 ng  
 RT: 13.20 min Scan# 1719  
 Delta R.T. 0.00 min  
 Lab File: BM010243.D  
 Acq: 26 May 2017 06:46

Tgt Ion:172 Resp: 1902218  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 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: 20.00 ng

RT: 17.32 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BM010243.D

Acq: 26 May 2017 06:46

Instrument :

BNA\_M

ClientSampled :

SB-23COMP

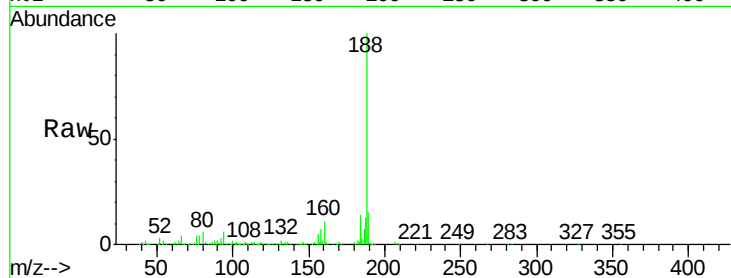
Tgt Ion:188 Resp: 611898

Ion Ratio Lower Upper

188 100

94 5.7 8.7 13.1#

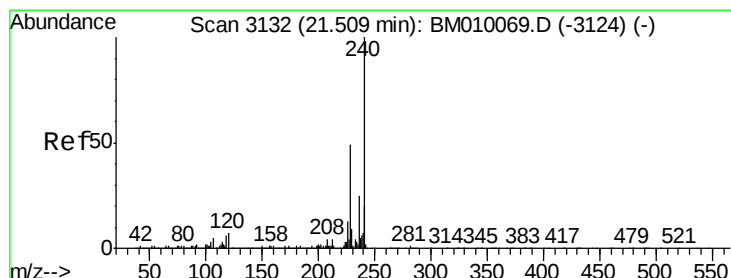
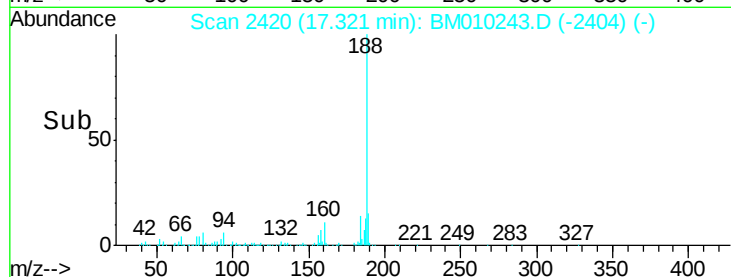
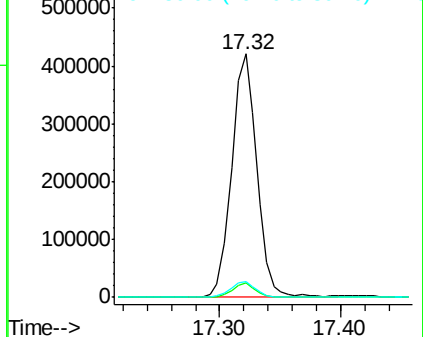
80 6.4 9.3 13.9#



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: 20.00 ng

RT: 21.48 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BM010243.D

Acq: 26 May 2017 06:46

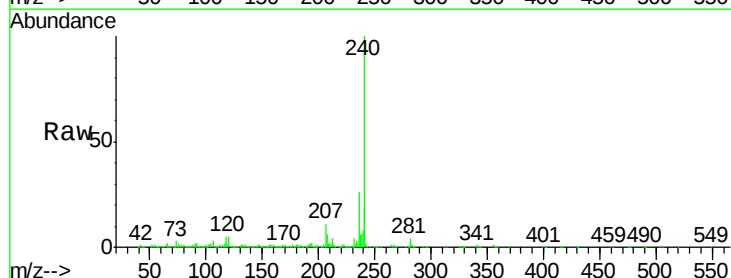
Tgt Ion:240 Resp: 936104

Ion Ratio Lower Upper

240 100

120 4.6 8.2 12.2#

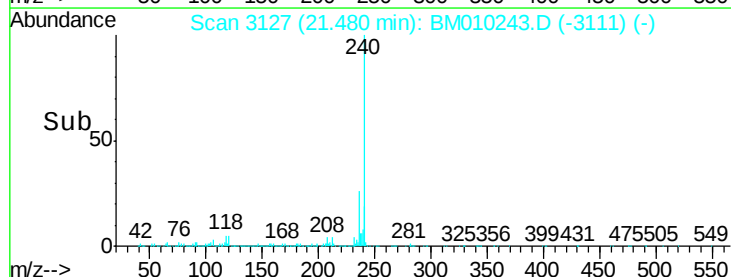
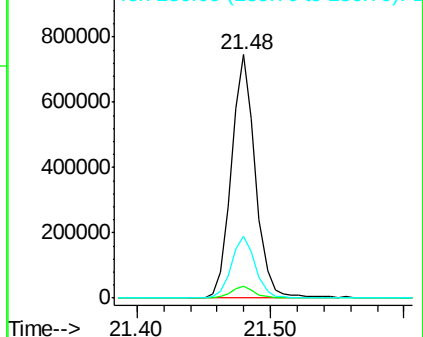
236 25.5 20.0 30.0

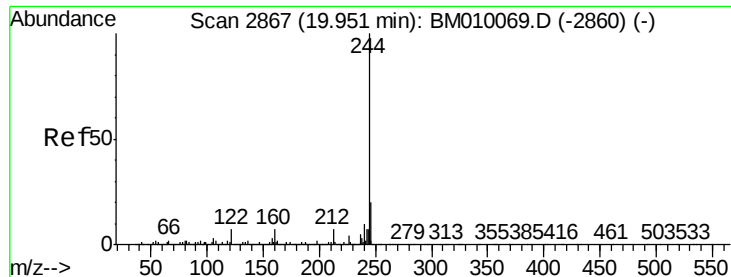


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

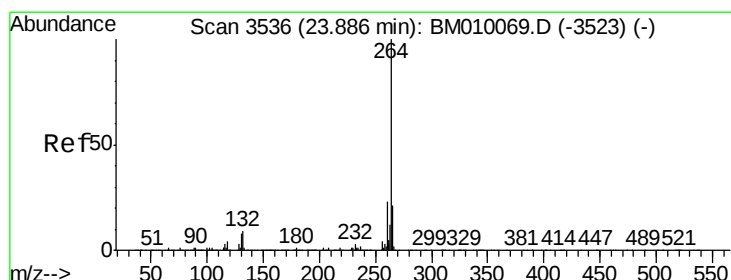
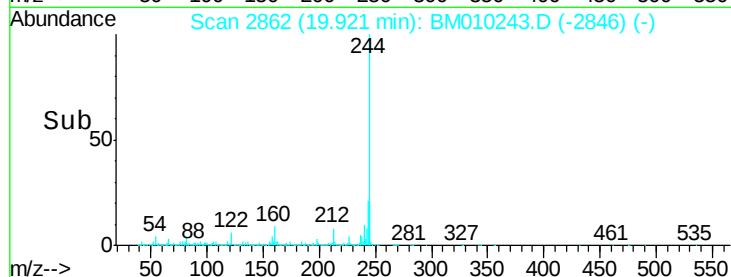
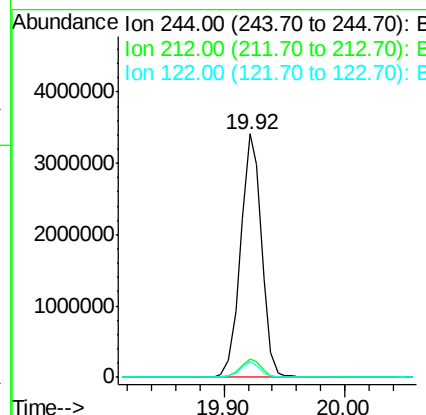
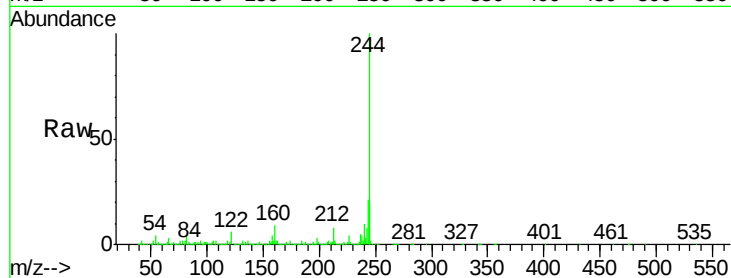




#78  
 Terphenyl-d14  
 Concen: 100.32 ng  
 RT: 19.92 min Scan# 2862  
 Delta R.T. -0.01 min  
 Lab File: BM010243.D  
 Acq: 26 May 2017 06:46

Instrument :  
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Tgt Ion:244 Resp: 4130186  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 4.9 7.3#  
 122 6.2 6.2 9.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.84 min Scan# 3528  
 Delta R.T. -0.01 min  
 Lab File: BM010243.D  
 Acq: 26 May 2017 06:46

Tgt Ion:264 Resp: 929296  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 18.6 27.8  
 265 22.4 17.3 25.9

