

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051917\  
 Data File : BM010088.D  
 Acq On : 20 May 2017 02:37  
 Operator : SJ/MA  
 Sample : I3202-24  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-10COMP

Quant Time: May 20 04:53:40 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 19 14:14:03 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.97  | 152  | 170351   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.78 | 136  | 572932   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.60 | 164  | 142374   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.34 | 188  | 578559   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.50 | 240  | 109876   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.87 | 264  | 1054     | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 1389861  | 147.34 | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 942147   | 77.62  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 1106047  | 104.15 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.09 | 330  | 798194   | 369.13 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.22 | 172  | 2786520  | 251.61 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.94 | 244  | 3039627  | 629.03 | ng    | 0.00     |

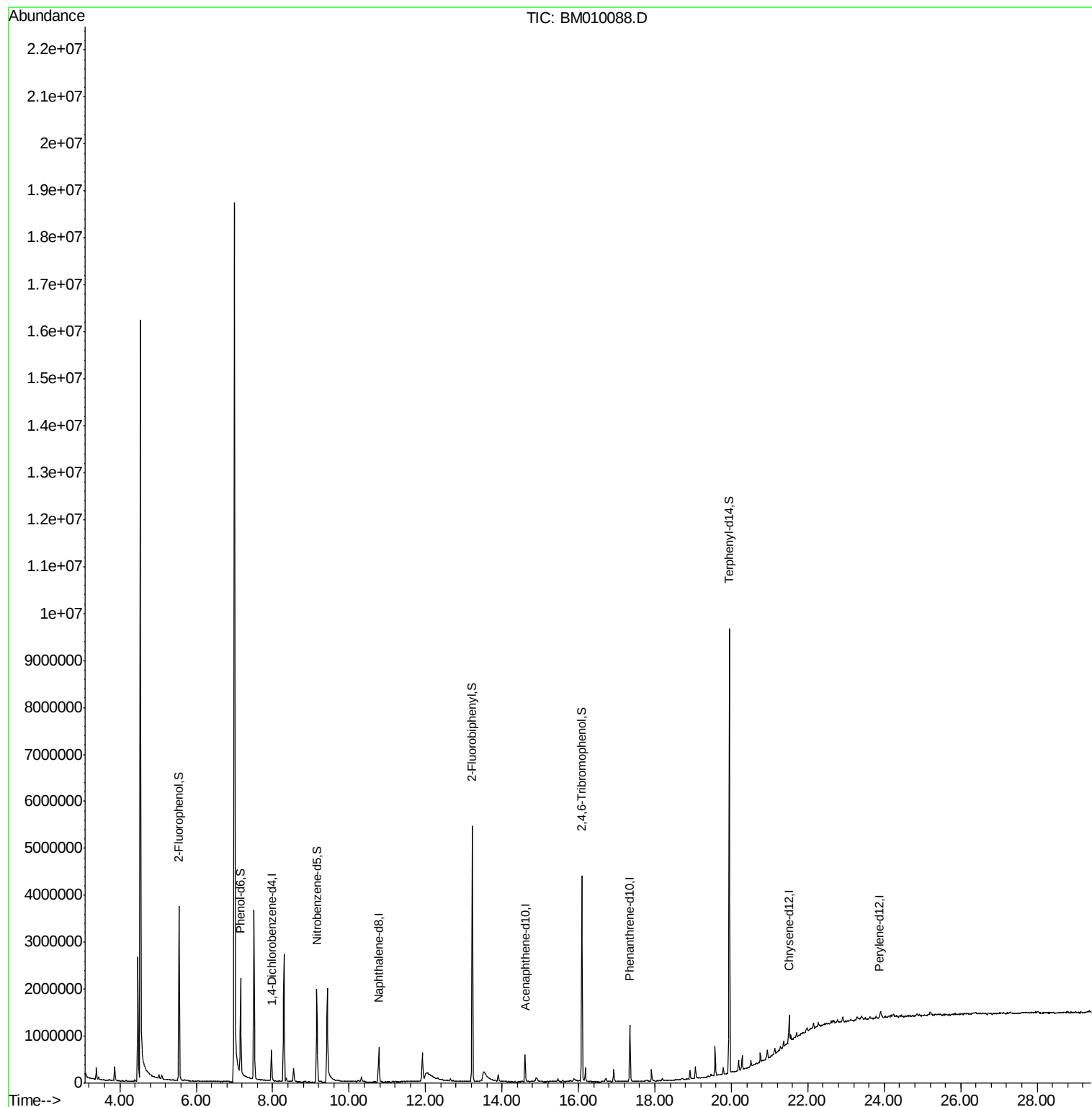
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

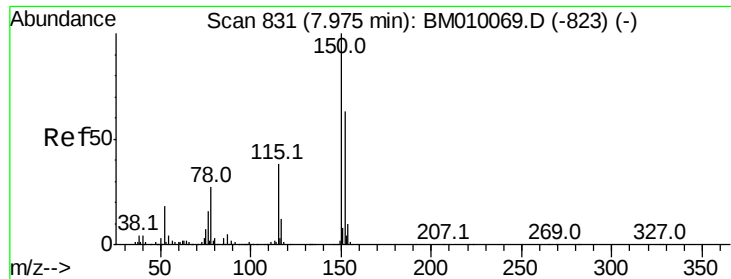
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

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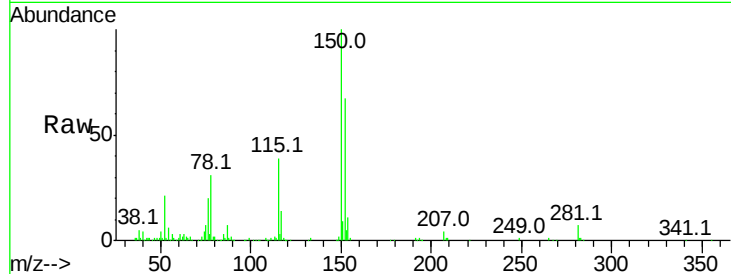


#1

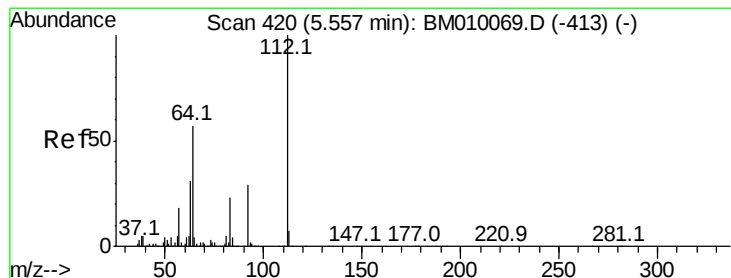
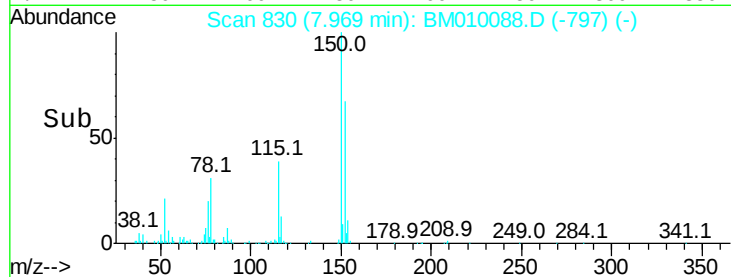
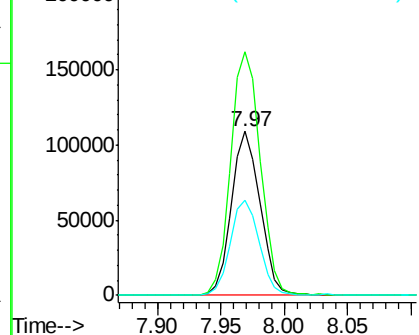
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.97 min Scan# 830  
 Delta R.T. -0.01 min  
 Lab File: BM010088.D  
 Acq: 20 May 2017 02:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-10COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.5 | 119.5 | 179.3 |
| 115     | 58.2  | 43.0  | 64.4  |



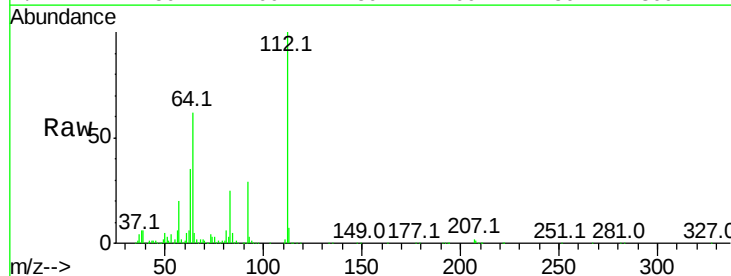
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



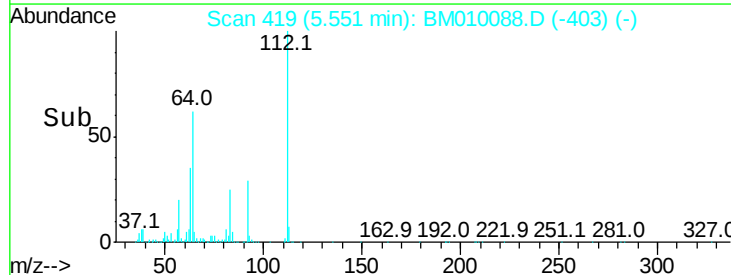
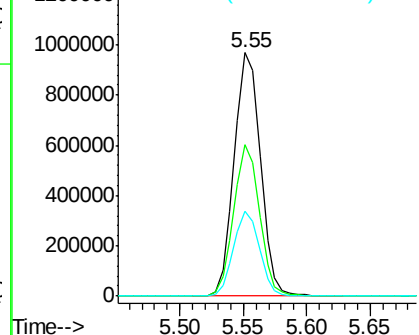
#5

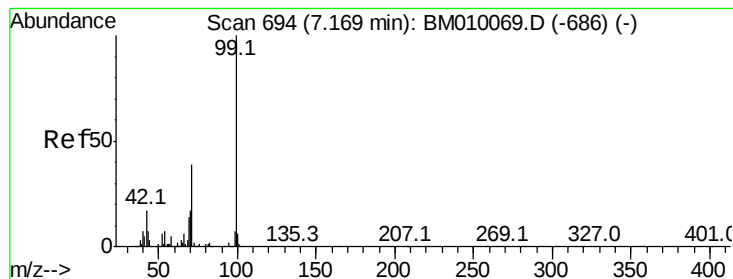
2-Fluorophenol  
 Concen: 147.34 ng  
 RT: 5.55 min Scan# 419  
 Delta R.T. -0.01 min  
 Lab File: BM010088.D  
 Acq: 20 May 2017 02:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.1  | 38.6  | 57.8# |
| 63      | 35.1  | 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: 77.62 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: BM010088.D

Acq: 20 May 2017 02:37

Instrument :

BNA\_M

ClientSampleId :

SB-10COMP

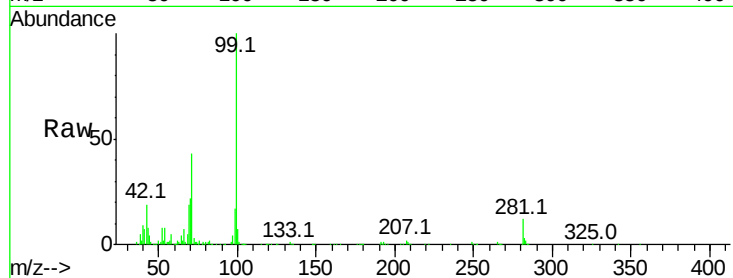
Tot Ion: 99 Resp: 942147

Ion Ratio Lower Upper

99 100

42 18.9 11.0 16.4#

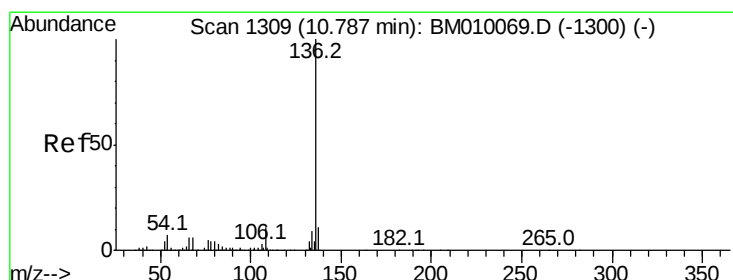
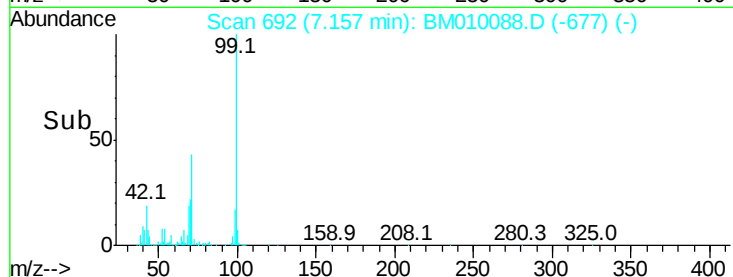
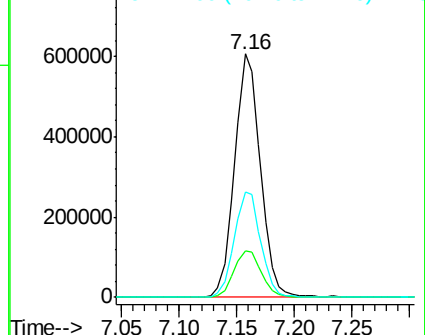
71 43.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010069.D (-686) (-)

Ion 42.00 (41.70 to 42.70): BM010069.D (-686) (-)

Ion 71.00 (70.70 to 71.70): BM010069.D (-686) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BM010088.D

Acq: 20 May 2017 02:37

Tgt Ion: 136 Resp: 572932

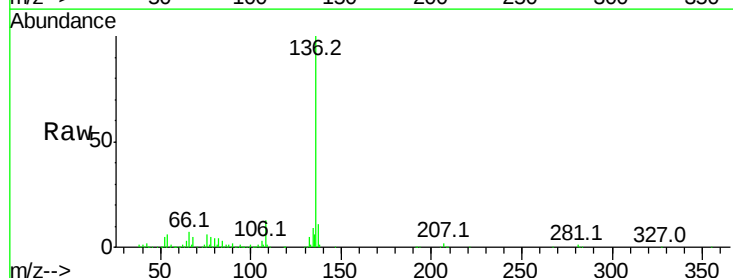
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.2 4.6 6.8

68 4.8 3.7 5.5

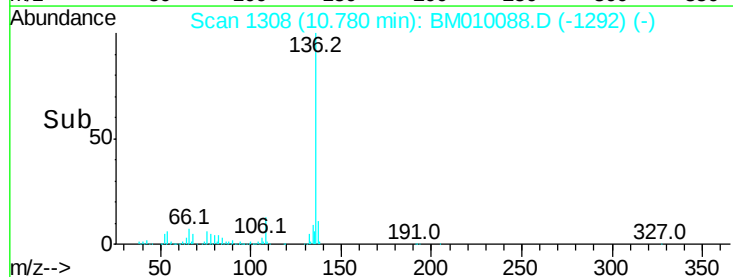
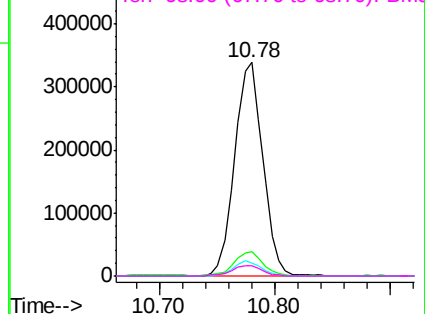


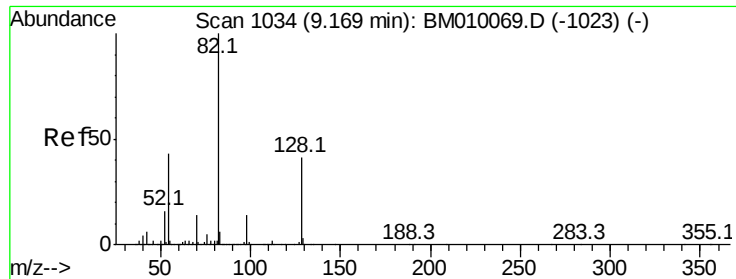
Abundance Ion 136.00 (135.70 to 136.70): BM010069.D (-1300) (-)

Ion 137.00 (136.70 to 137.70): BM010069.D (-1300) (-)

Ion 54.00 (53.70 to 54.70): BM010069.D (-1300) (-)

Ion 68.00 (67.70 to 68.70): BM010069.D (-1300) (-)

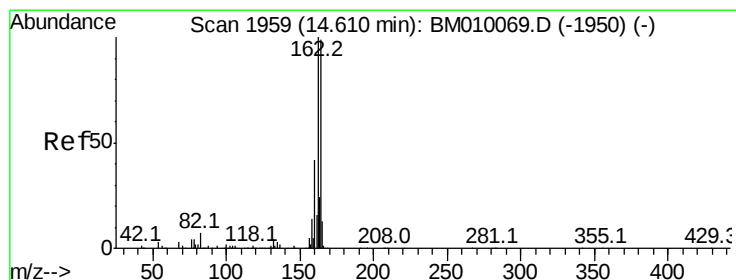
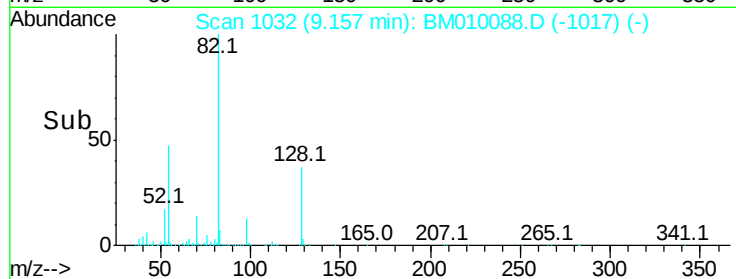
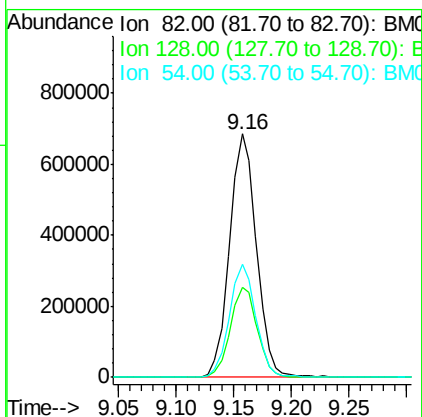
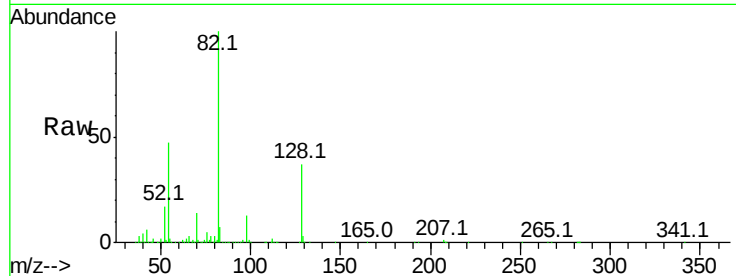




#23  
Nitrobenzene-d5  
Concen: 104.15 ng  
RT: 9.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BM010088.D  
Acq: 20 May 2017 02:37

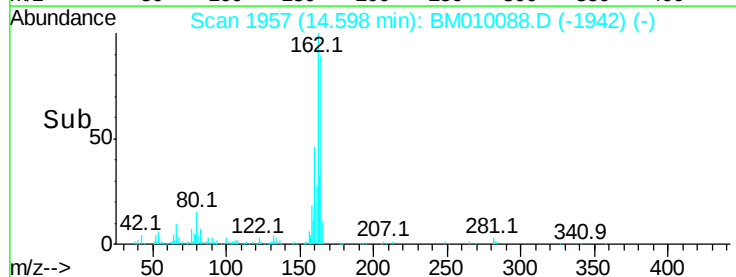
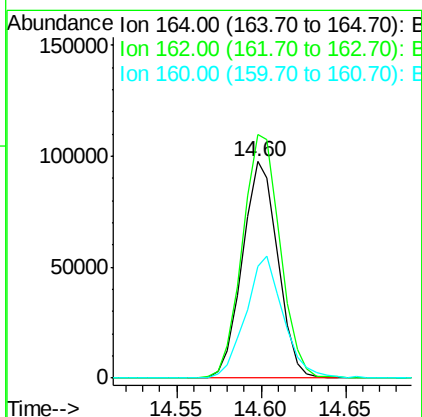
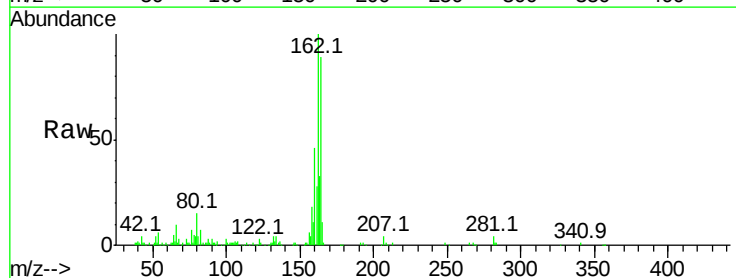
Instrument :  
BNA\_M  
ClientSampleId :  
SB-10COMP

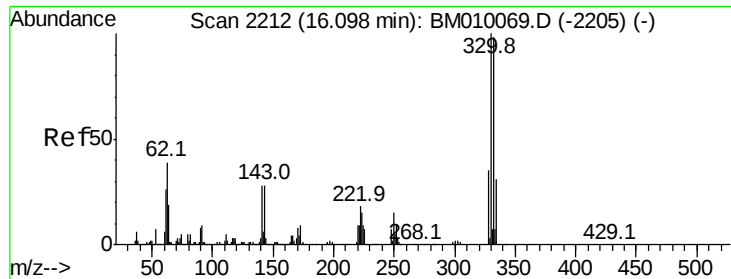
Tot Ion: 82 Resp: 1106047  
Ion Ratio Lower Upper  
82 100  
128 37.1 32.8 49.2  
54 46.6 40.6 60.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.60 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BM010088.D  
Acq: 20 May 2017 02:37

Tgt Ion: 164 Resp: 142374  
Ion Ratio Lower Upper  
164 100  
162 112.4 82.4 123.6  
160 51.8 35.8 53.6

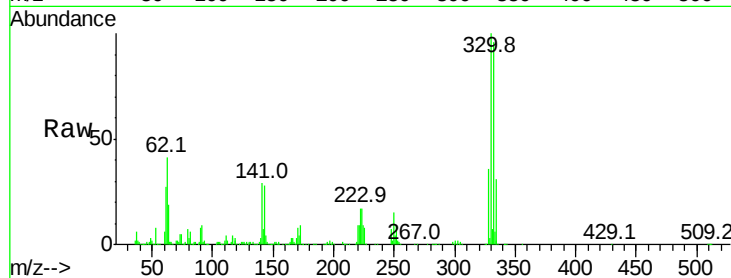




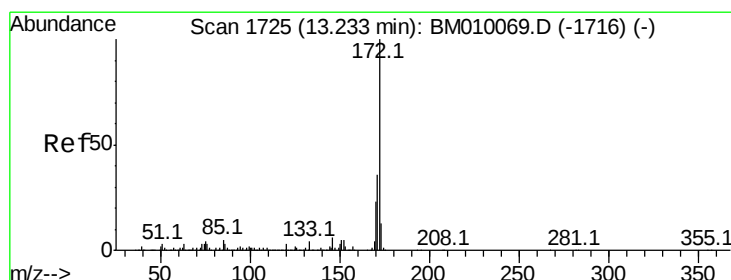
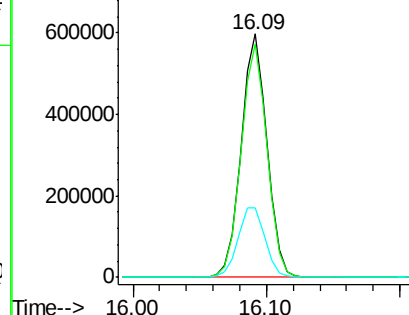
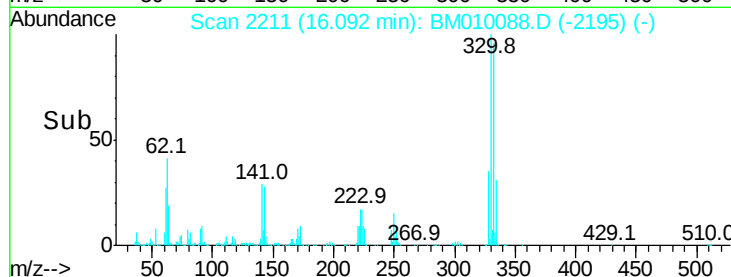
#41  
 2,4,6-Tribromophenol  
 Concen: 369.13 ng  
 RT: 16.09 min Scan# 2211  
 Delta R.T. -0.01 min  
 Lab File: BM010088.D  
 Acq: 20 May 2017 02:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-10COMP

Tot Ion:330 Resp: 798194  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 0.0 0.0#  
 141 30.4 0.0 0.0#

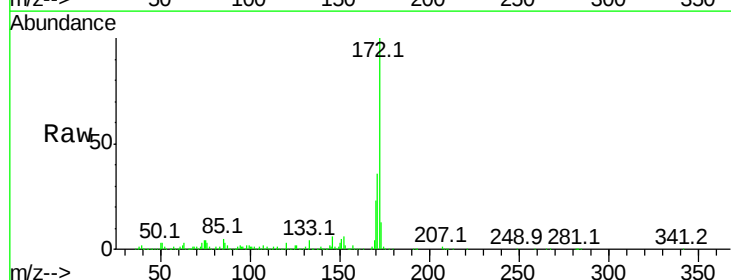


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

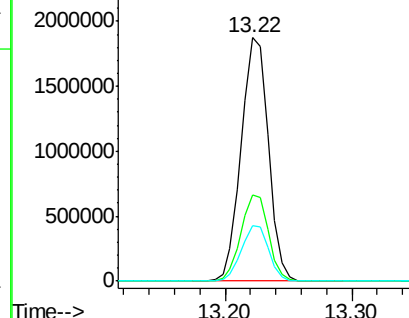
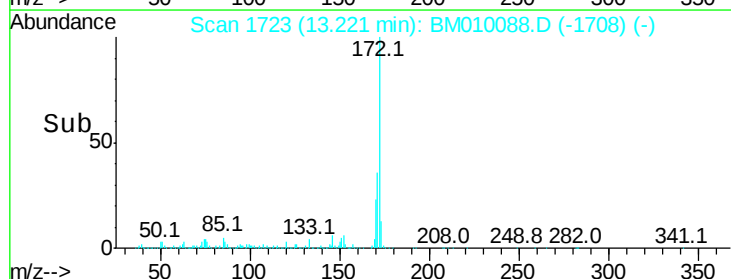


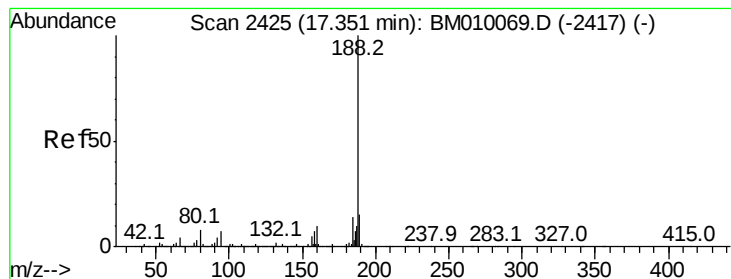
#44  
 2-Fluorobiphenyl  
 Concen: 251.61 ng  
 RT: 13.22 min Scan# 1723  
 Delta R.T. -0.01 min  
 Lab File: BM010088.D  
 Acq: 20 May 2017 02:37

Tgt Ion:172 Resp: 2786520  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.5 42.7  
 170 22.7 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: 20.00 ng

RT: 17.34 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BM010088.D

Acq: 20 May 2017 02:37

Instrument :

BNA\_M

ClientSampleId :

SB-10COMP

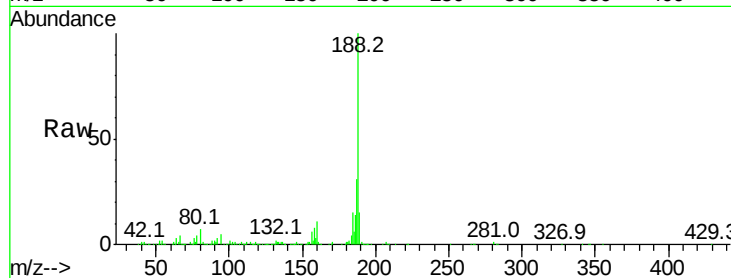
Tot Ion:188 Resp: 578559

Ion Ratio Lower Upper

188 100

94 5.5 8.7 13.1#

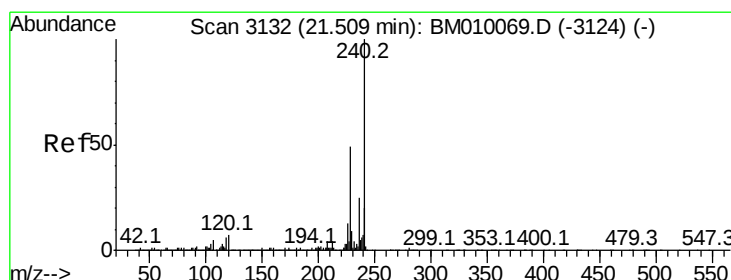
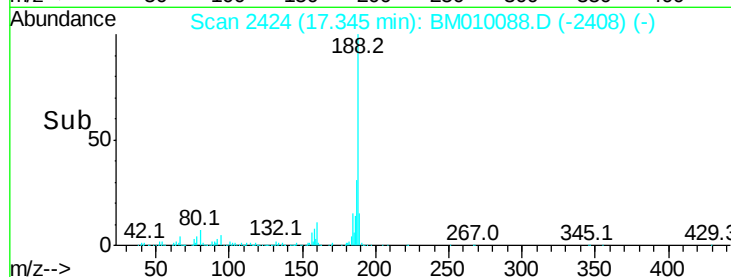
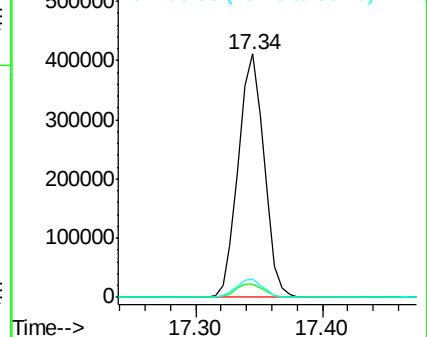
80 7.5 9.3 13.9#



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: 20.00 ng

RT: 21.50 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BM010088.D

Acq: 20 May 2017 02:37

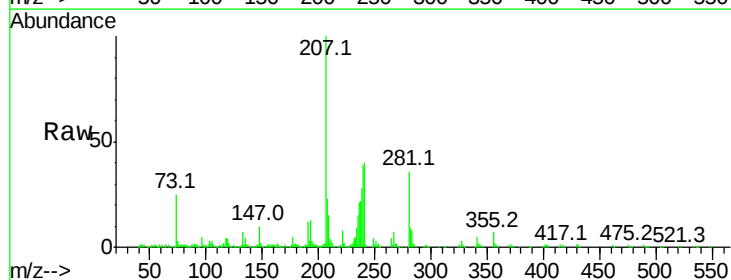
Tgt Ion:240 Resp: 109876

Ion Ratio Lower Upper

240 100

120 11.8 8.2 12.2

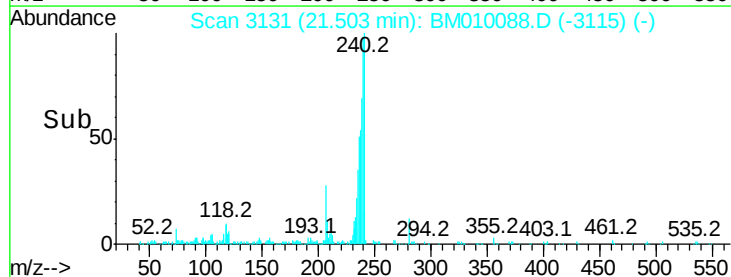
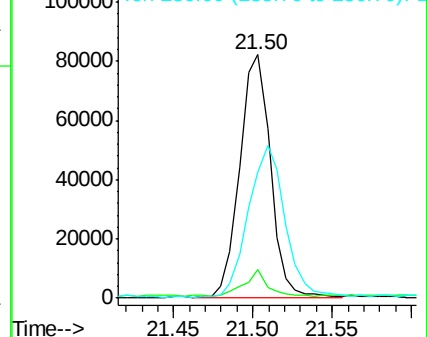
236 51.5 20.0 30.0#

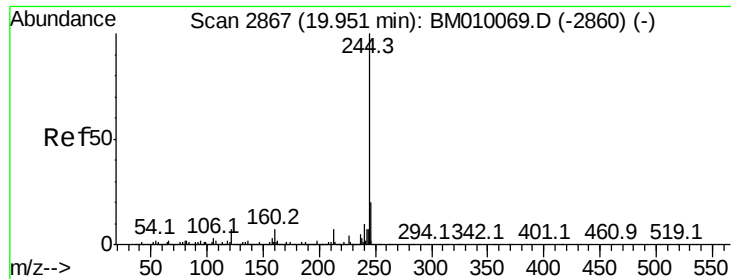


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 629.03 ng

RT: 19.94 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BM010088.D

Acq: 20 May 2017 02:37

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ClientSampleId :

SB-10COMP

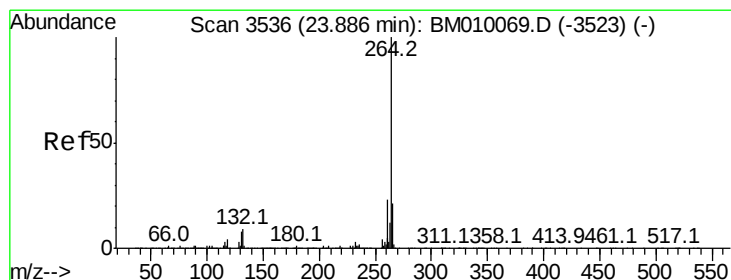
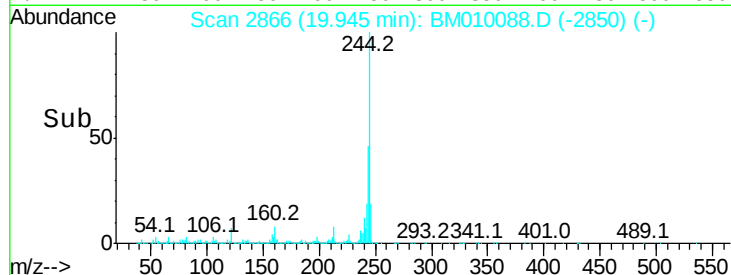
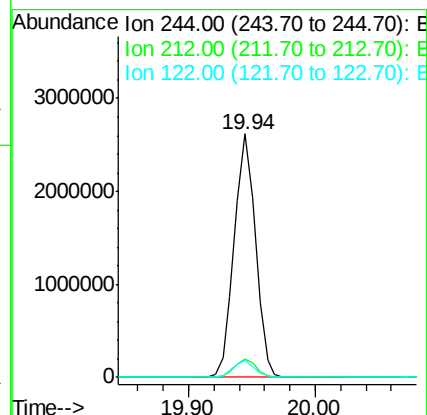
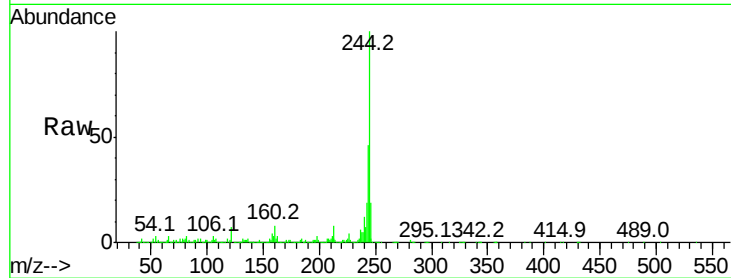
Tot Ion:244 Resp: 3039627

Ion Ratio Lower Upper

244 100

212 7.8 4.9 7.3#

122 7.1 6.2 9.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.87 min Scan# 3533

Delta R.T. -0.02 min

Lab File: BM010088.D

Acq: 20 May 2017 02:37

Tgt Ion:264 Resp: 1054

Ion Ratio Lower Upper

264 100

260 184.1 18.6 27.8#

265 1372.8 17.3 25.9#

