

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM082418\  
 Data File : BM016583.D  
 Acq On : 24 Aug 2018 12:03  
 Operator : SJ/JU  
 Sample : J4556-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 20180533-AMENDED-COMPOSITE-(

Quant Time: Aug 24 21:56:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM082118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 10:59:20 2018  
 Response via : Initial Calibration

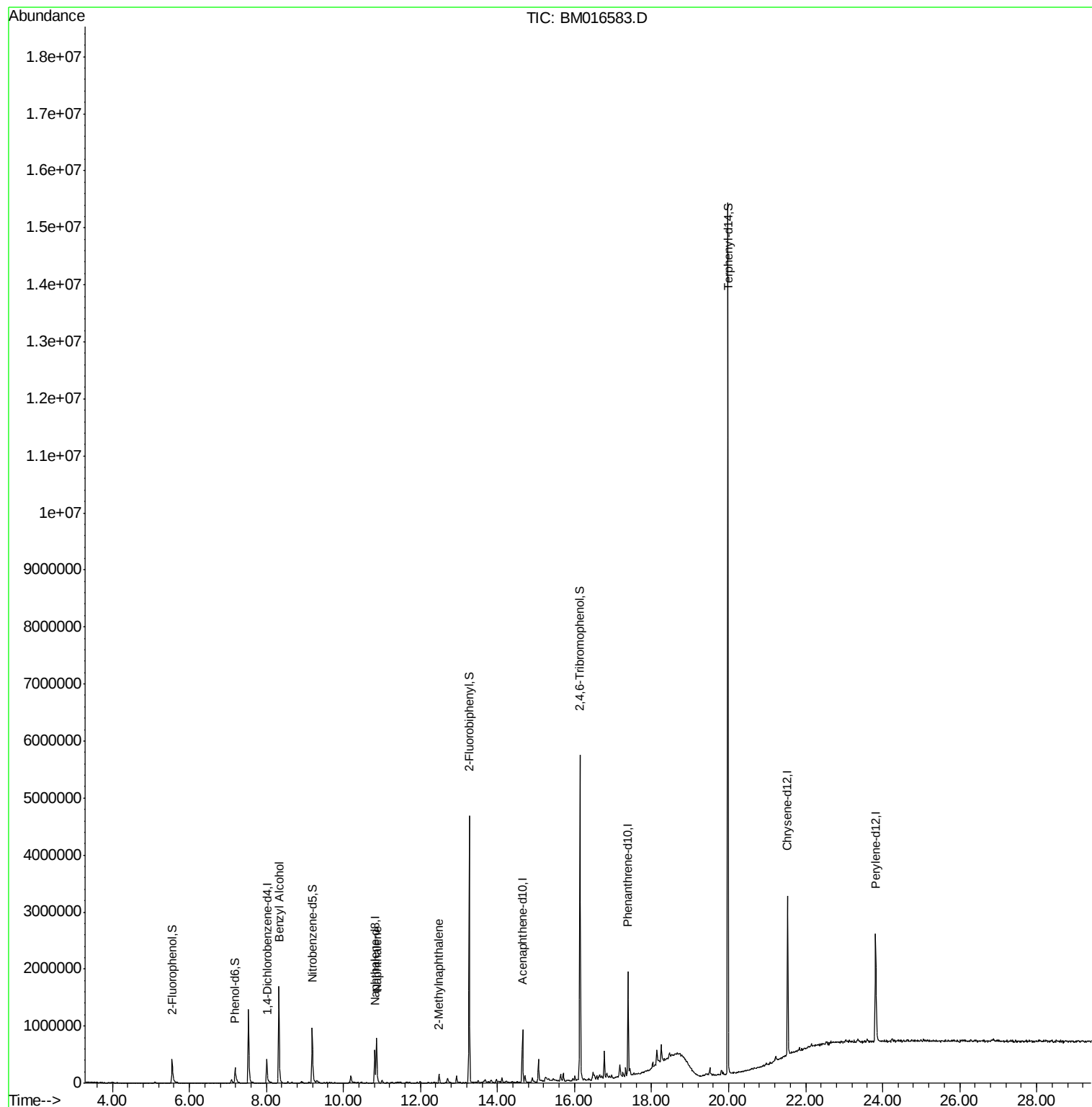
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 89248    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 331403   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 261667   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.39 | 188  | 994376   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.53 | 240  | 1318649  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.82 | 264  | 1411076  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 161901   | 35.55  | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 125759   | 20.87  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 567846   | 78.23  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 936866   | 128.08 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.26 | 172  | 2031824  | 74.64  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 5661766  | 90.88  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 8.32  | 79   | 12338    | 2.204  | ng    | Qvalue   |
| 31) Naphthalene             | 10.86 | 128  | 496610   | 31.452 | ng    | # 1      |
| 37) 2-Methylnaphthalene     | 12.48 | 142  | 59955    | 4.850  | ng    | # 96     |
|                             |       |      |          |        |       | # 84     |

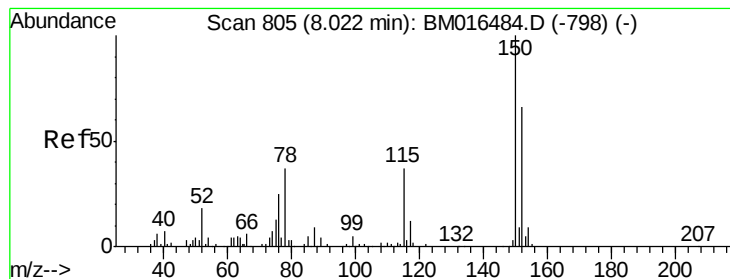
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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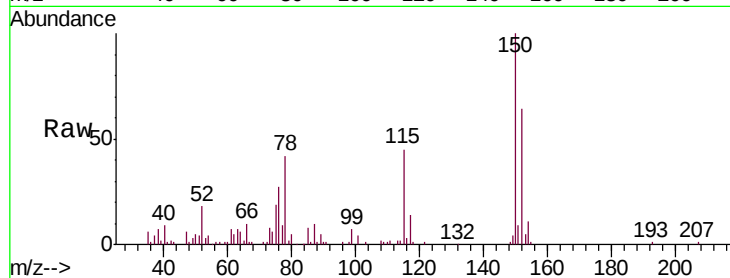


#1

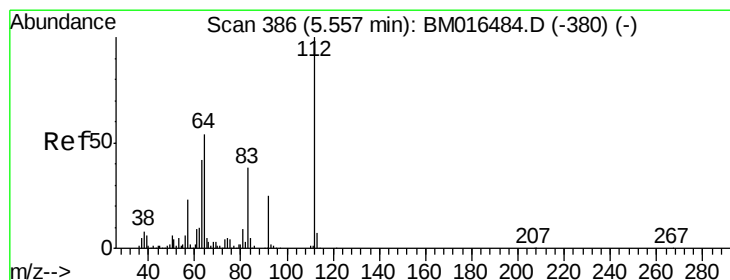
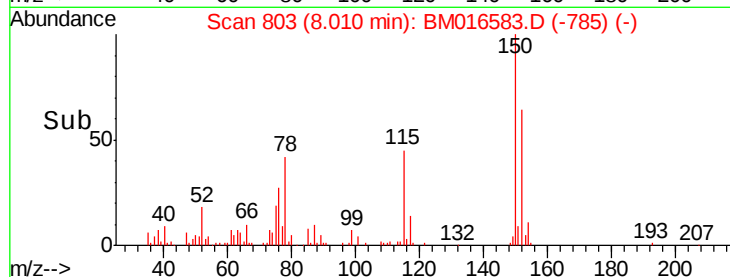
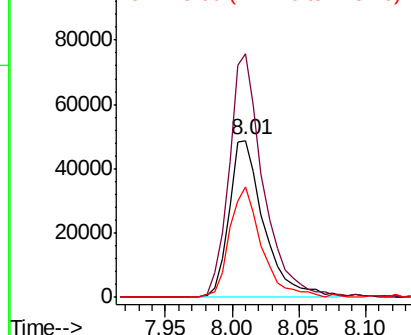
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 803  
Delta R.T. 0.01 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

Instrument :  
BNA\_M  
ClientSampleId :  
20180533-AMENDED-COMPOSITE-(-)

Tgt Ion:152 Resp: 89248  
Ion Ratio Lower Upper  
152 100  
150 155.2 119.5 179.3  
115 70.3 43.0 64.4#



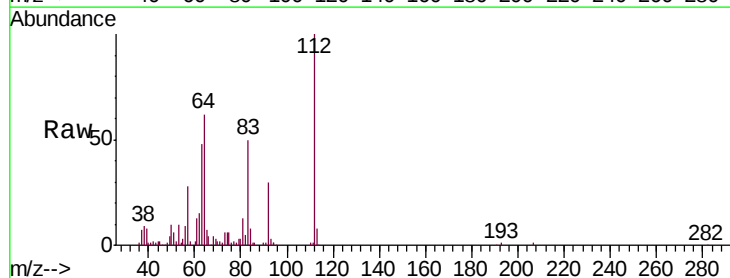
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



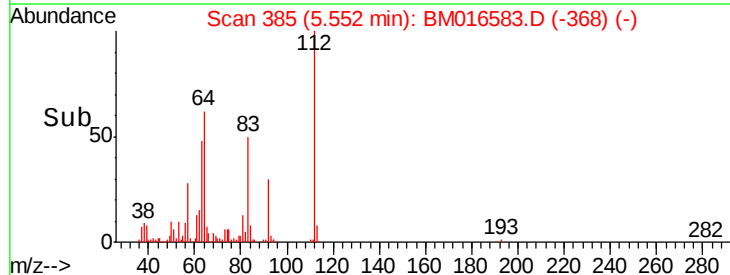
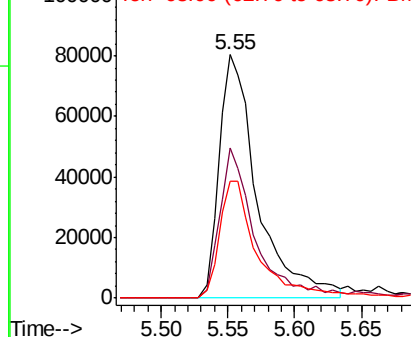
#5

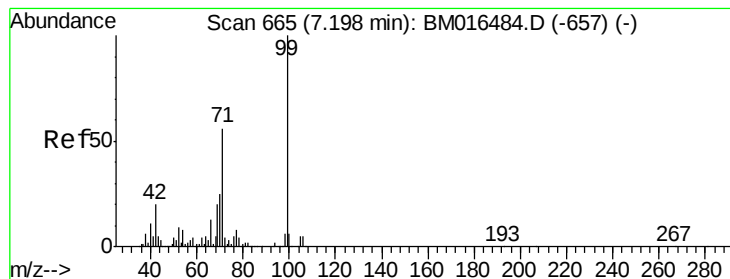
2-Fluorophenol  
Concen: 35.548 ng  
RT: 5.55 min Scan# 385  
Delta R.T. -0.00 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

Tgt Ion:112 Resp: 161901  
Ion Ratio Lower Upper  
112 100  
64 61.5 38.6 57.8#  
63 48.1 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: 20.867 ng

RT: 7.19 min Scan# 663

Delta R.T. 0.01 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA\_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(-

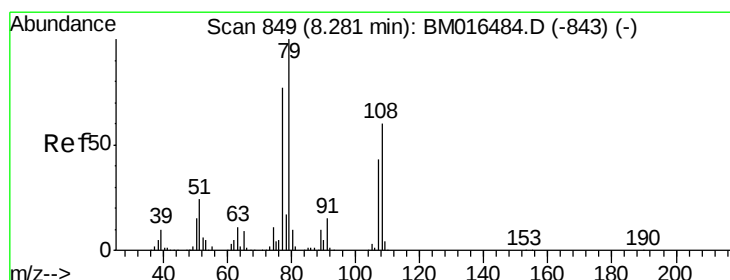
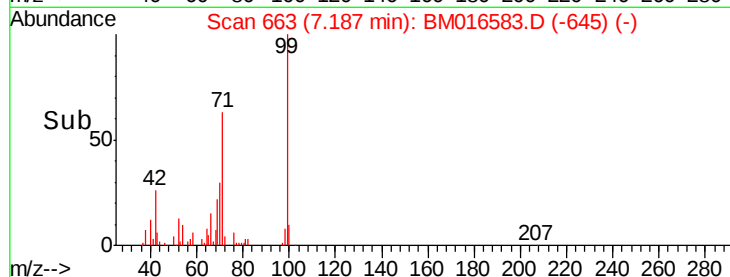
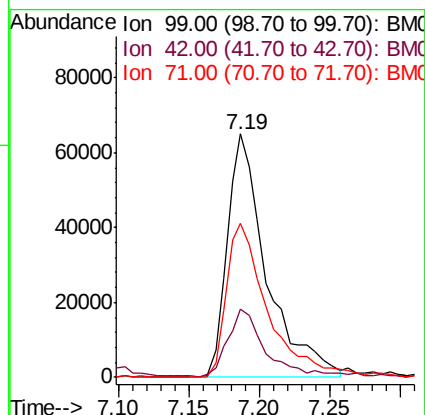
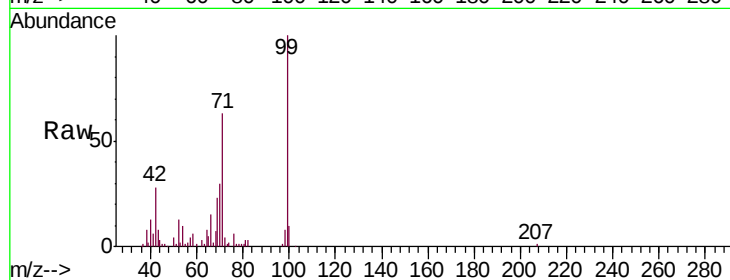
Tgt Ion: 99 Resp: 125759

Ion Ratio Lower Upper

99 100

42 28.3 11.0 16.4#

71 63.0 23.4 35.2#



#15

Benzyl Alcohol

Concen: 2.204 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.05 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

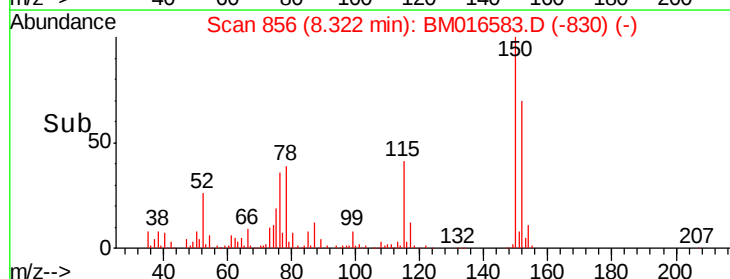
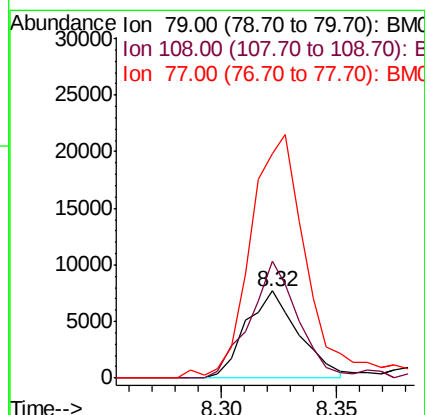
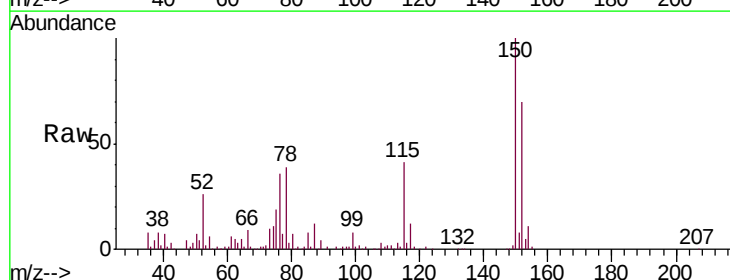
Tgt Ion: 79 Resp: 12338

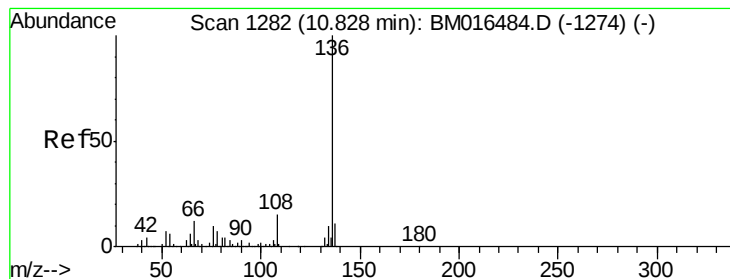
Ion Ratio Lower Upper

79 100

108 134.3 65.0 97.4#

77 257.2 53.0 79.6#

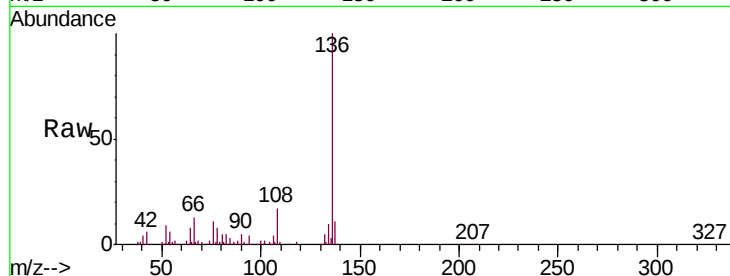




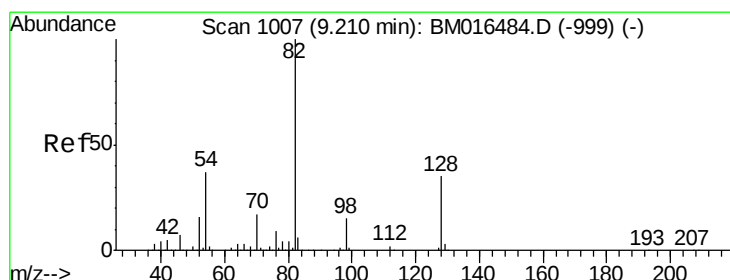
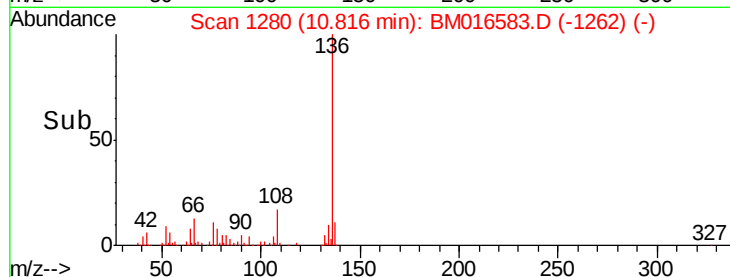
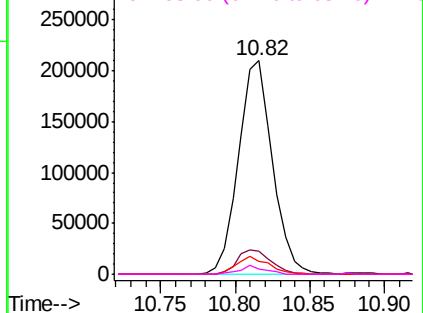
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1280  
Delta R.T. 0.01 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

Instrument :  
BNA\_M  
ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 331403 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.7   | 13.1   |
| 54       | 5.8   | 4.6   | 6.8    |
| 68       | 2.3   | 3.7   | 5.5#   |

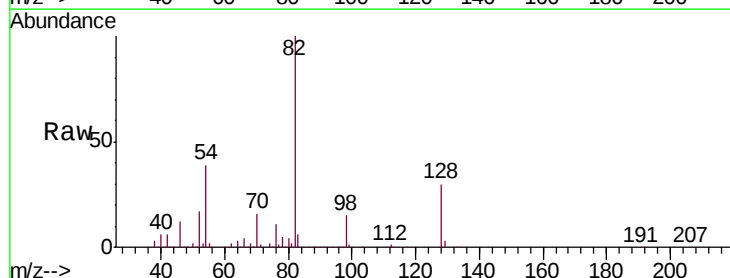


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

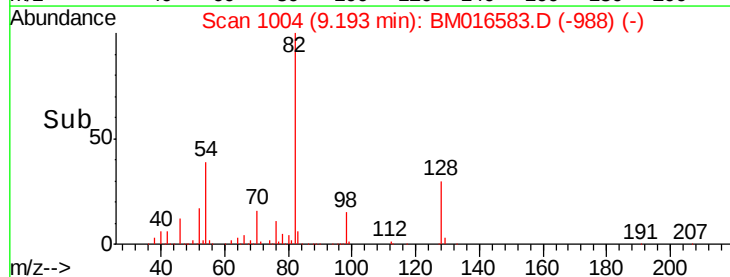
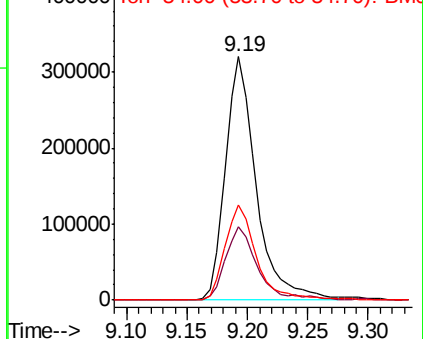


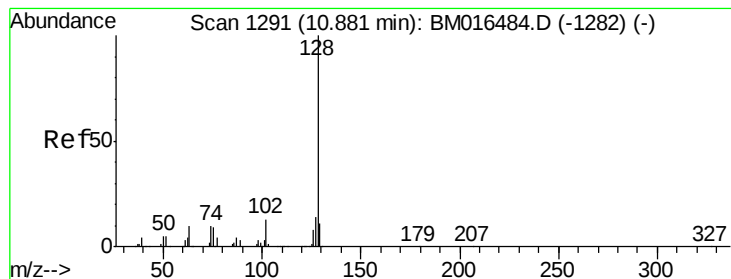
#23  
Nitrobenzene-d5  
Concen: 78.235 ng  
RT: 9.19 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 567846 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 30.0  | 32.8  | 49.2#  |
| 54       | 39.0  | 40.6  | 60.8#  |



Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM





#31

Naphthalene

Concen: 31.452 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA\_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(-

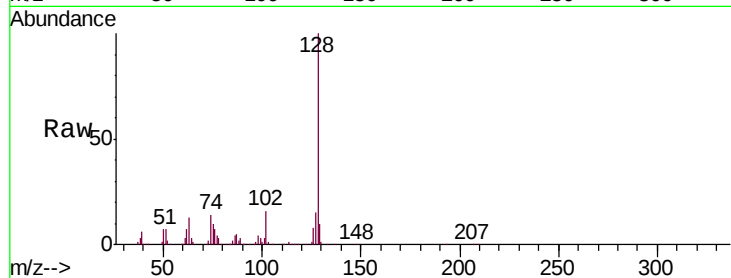
Tgt Ion:128 Resp: 496610

Ion Ratio Lower Upper

128 100

129 9.9 8.9 13.3

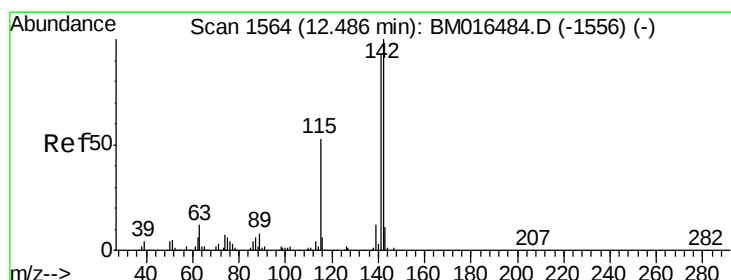
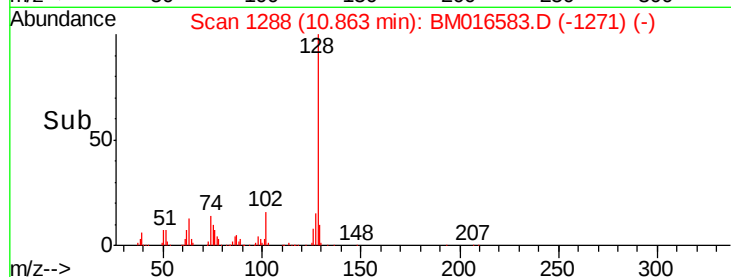
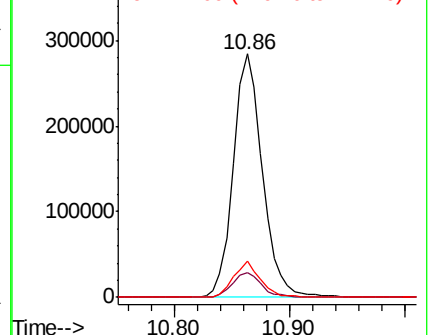
127 15.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 4.850 ng

RT: 12.48 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

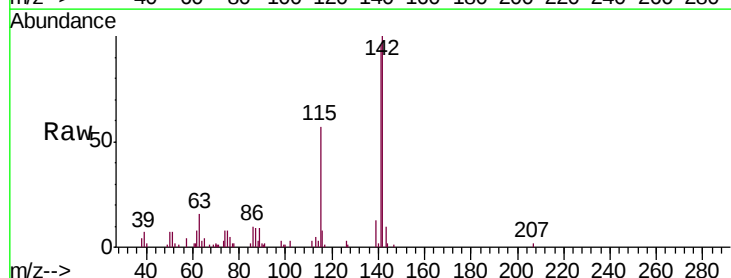
Tgt Ion:142 Resp: 59955

Ion Ratio Lower Upper

142 100

141 95.6 71.9 107.9

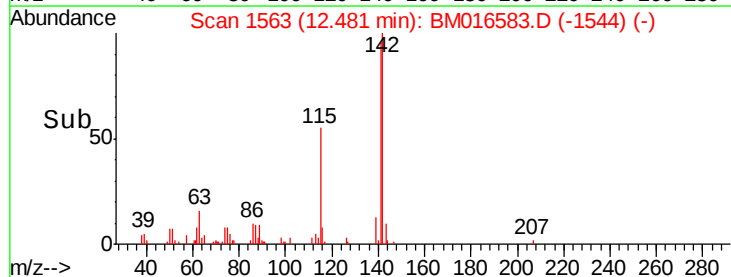
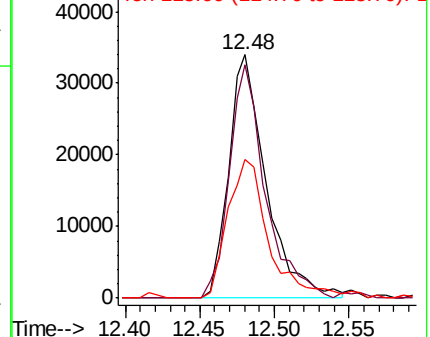
115 57.0 25.4 38.0#

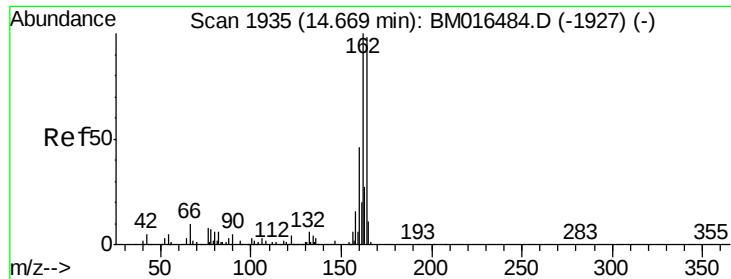


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

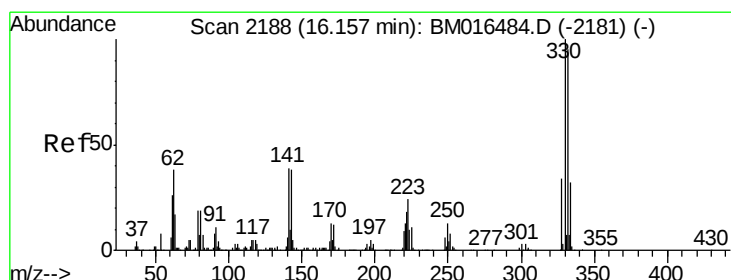
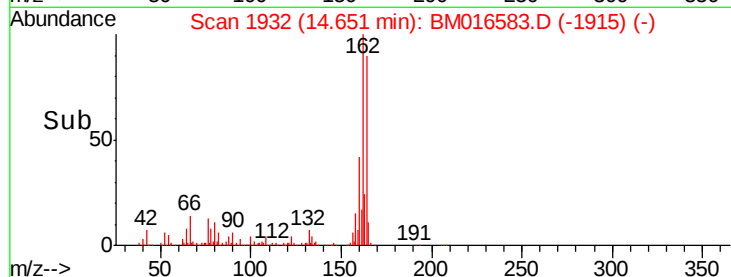
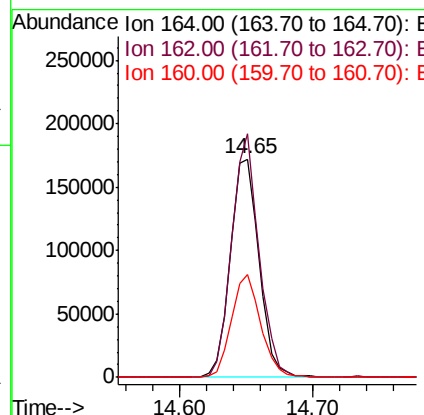
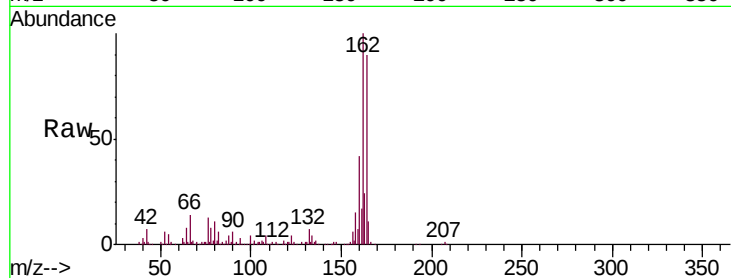




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1932  
Delta R.T. -0.00 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

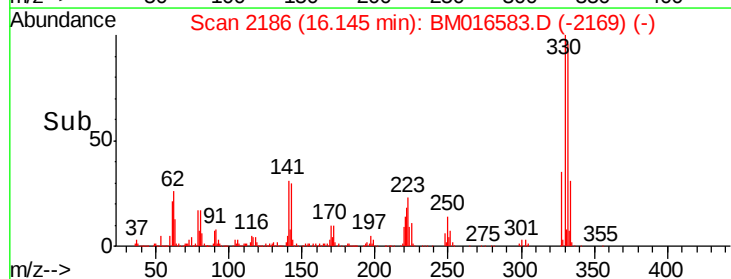
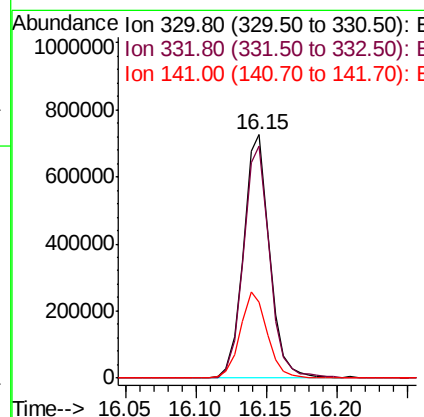
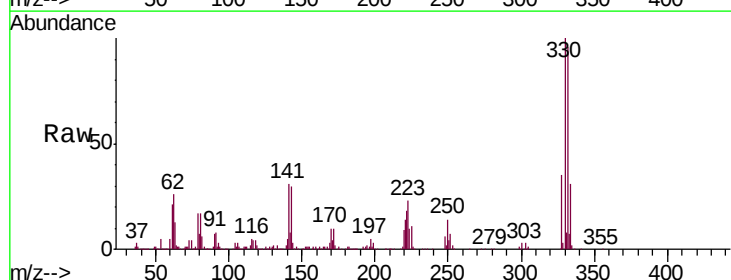
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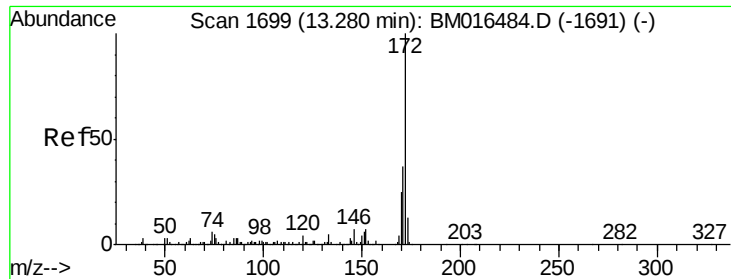
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 111.7 | 82.4  | 123.6 |
| 160     | 47.4  | 35.8  | 53.6  |



#41  
2,4,6-Tribromophenol  
Concen: 128.080 ng  
RT: 16.15 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 0.0   | 0.0#  |
| 141     | 36.9  | 0.0   | 0.0#  |

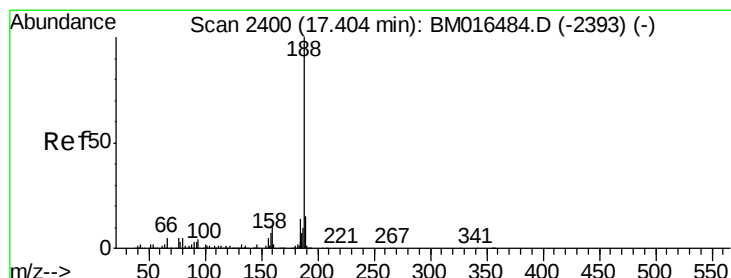
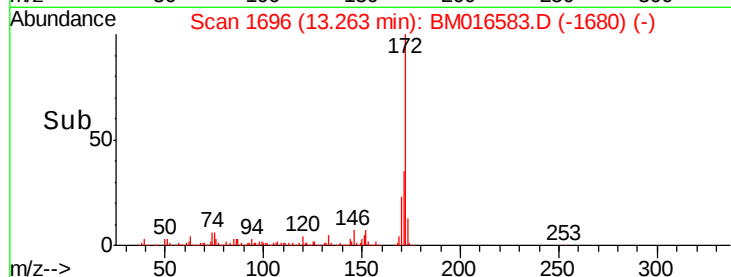
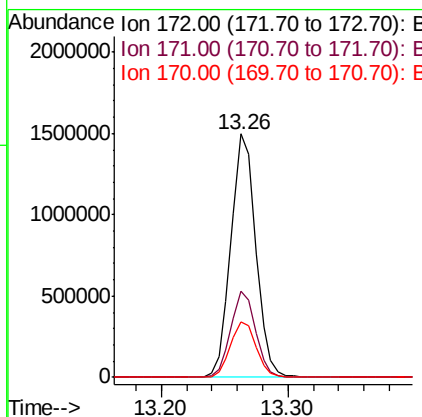
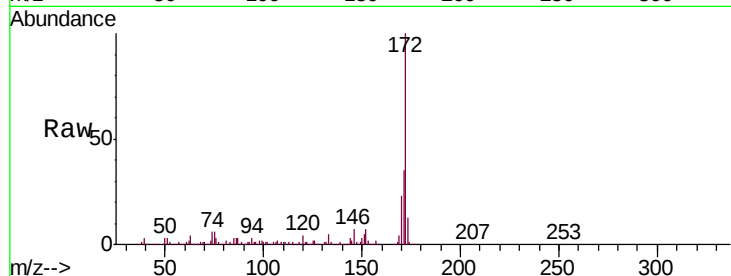




#44  
2-Fluorobiphenyl  
Concen: 74.638 ng  
RT: 13.26 min Scan# 1696  
Delta R.T. -0.01 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

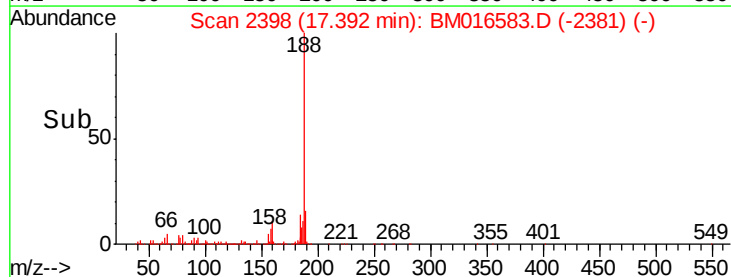
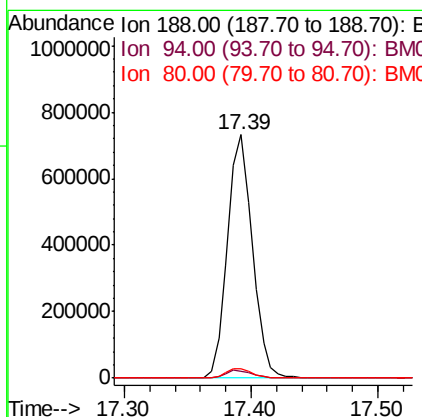
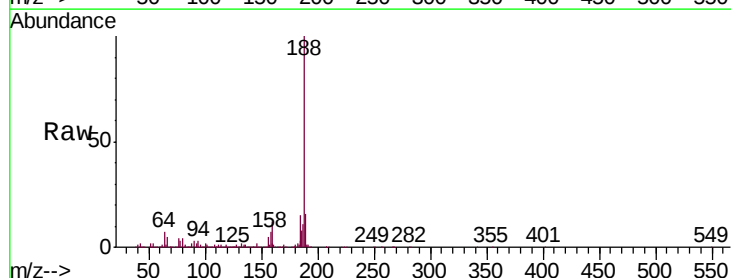
Instrument :  
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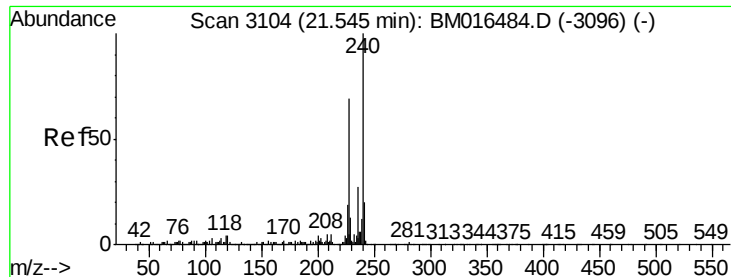
Tgt Ion:172 Resp: 2031824  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.5 42.7  
170 22.8 18.8 28.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.39 min Scan# 2398  
Delta R.T. -0.00 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

Tgt Ion:188 Resp: 994376  
Ion Ratio Lower Upper  
188 100  
94 2.7 8.7 13.1#  
80 3.7 9.3 13.9#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA\_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(-)

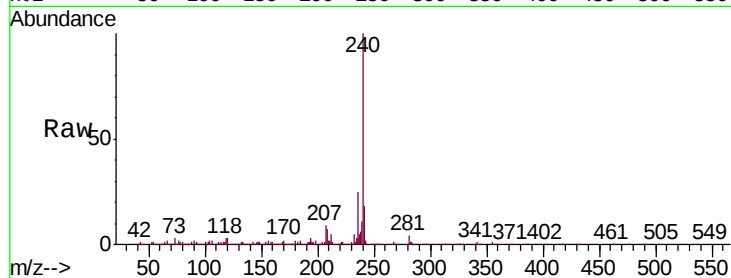
Tgt Ion:240 Resp: 1318649

Ion Ratio Lower Upper

240 100

120 3.5 8.2 12.2#

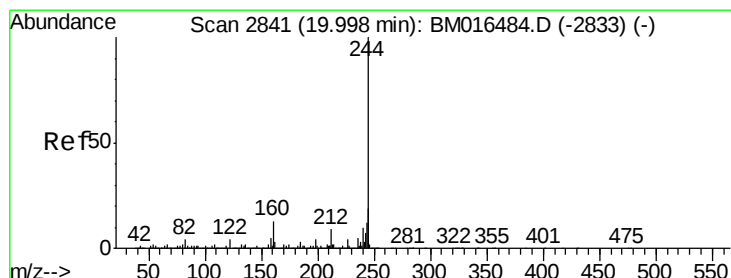
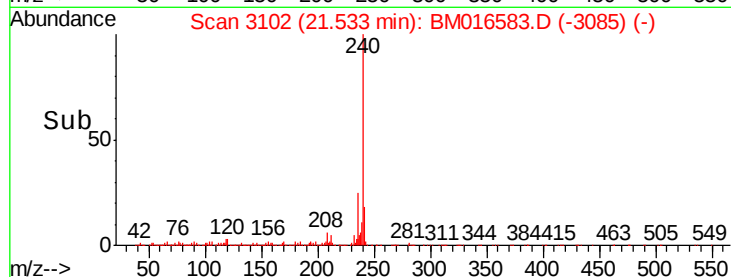
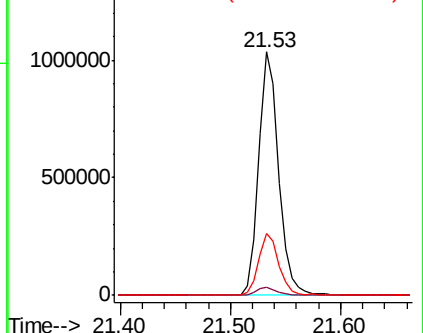
236 25.2 20.0 30.0



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: 90.877 ng

RT: 19.98 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

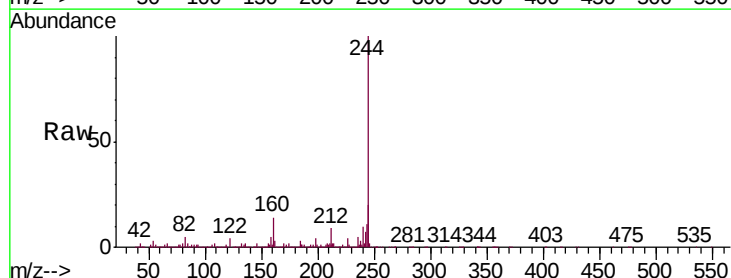
Tgt Ion:244 Resp: 5661766

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

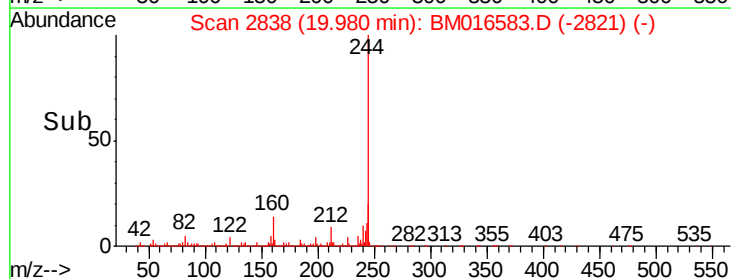
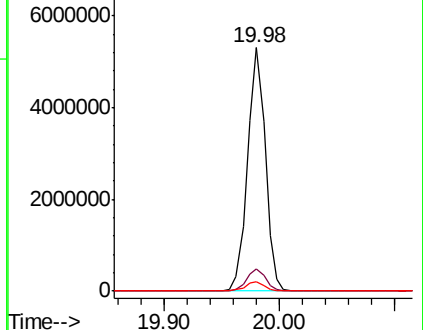
122 3.7 6.2 9.4#

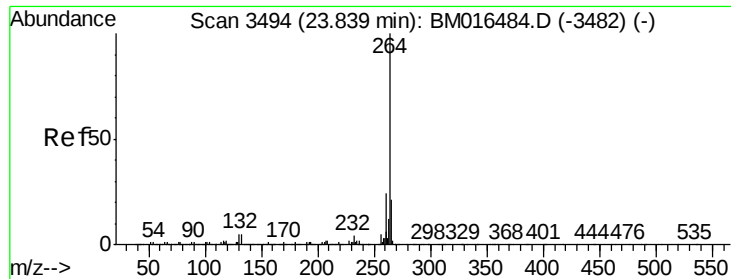


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.82 min Scan# 3490  
Delta R.T. -0.00 min  
Lab File: BM016583.D  
Acq: 24 Aug 2018 12:03

Instrument :  
BNA\_M  
ClientSampleId :  
20180533-AMENDED-COMPOSITE-(

Tgt Ion: 264 Resp: 1411076  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.7  | 18.6  | 27.8  |
| 265 | 22.5  | 17.3  | 25.9  |

