

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM060119\  
 Data File : BM020645.D  
 Acq On : 01 Jun 2019 11:56  
 Operator : HP/JU  
 Sample : K3072-04  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-4

Quant Time: Jun 03 00:56:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM053119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 31 15:48:49 2019  
 Response via : Initial Calibration

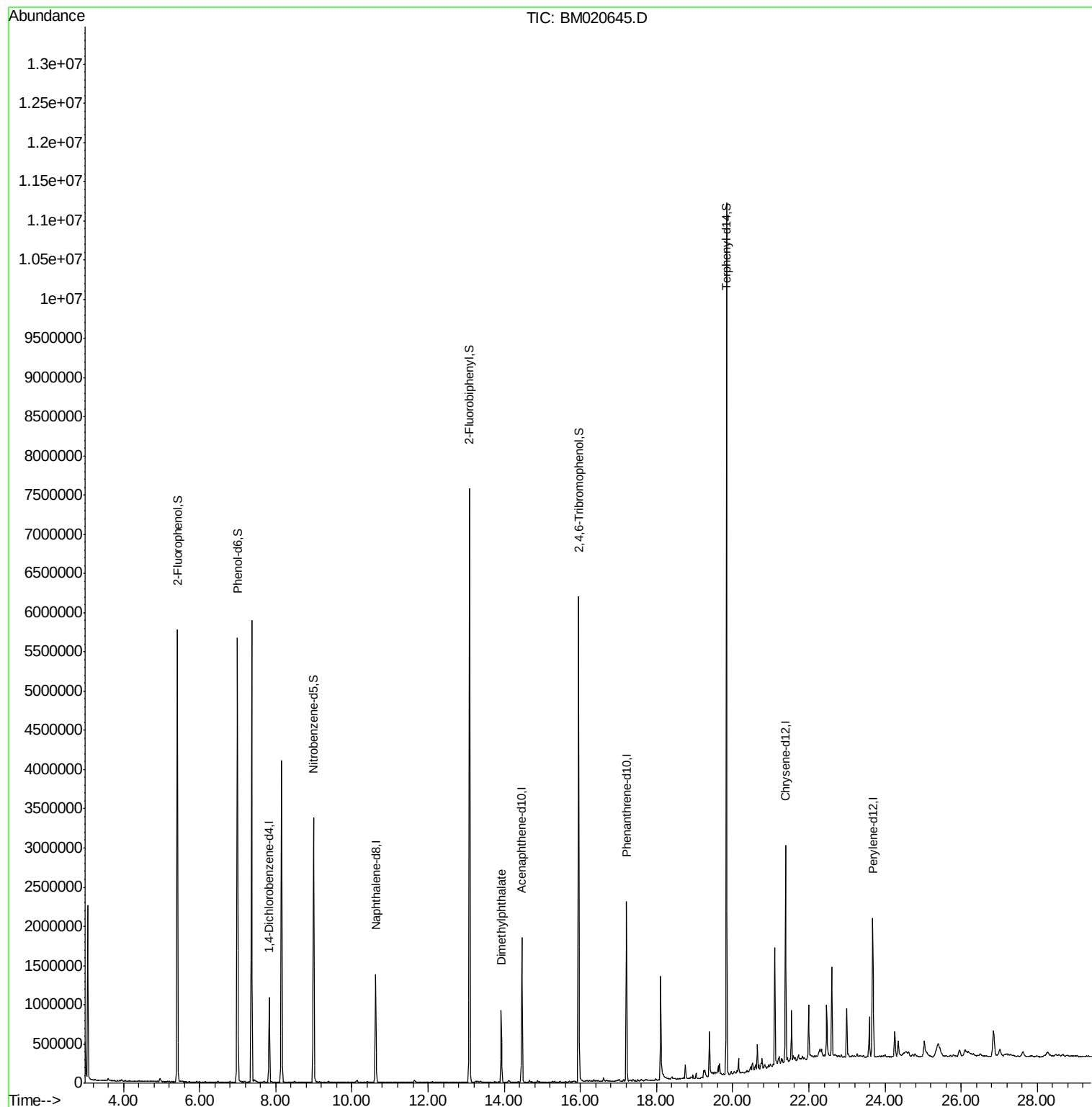
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.83  | 152  | 274728   | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.62 | 136  | 1102104  | 20.00     | ng       | 0.00     |
| 39) Acenaphthene-d10        | 14.46 | 164  | 593945   | 20.00     | ng       | -0.01    |
| 64) Phenanthrene-d10        | 17.21 | 188  | 1258520  | 20.00     | ng       | 0.00     |
| 76) Chrysene-d12            | 21.39 | 240  | 1122500  | 20.00     | ng       | -0.01    |
| 87) Perylene-d12            | 23.68 | 264  | 1240605  | 20.00     | ng       | 0.00     |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 2301018  | 147.33    | ng       | 0.00     |
| 7) Phenol-d6                | 6.99  | 99   | 3188176  | 138.64    | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 8.99  | 82   | 1941623  | 91.28     | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.96 | 330  | 1077024  | 146.36    | ng       | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.09 | 172  | 3759175  | 84.14     | ng       | 0.00     |
| 79) Terphenyl-d14           | 19.84 | 244  | 4972674  | 74.10     | ng       | 0.00     |
| Target Compounds            |       |      |          |           |          |          |
| 9) Benzaldehyde             | 6.99  | 77   | 8146     | Below Cal | Qvalue # | 6        |
| 50) Dimethylphthalate       | 13.92 | 163  | 558296   | 11.002 ng |          | 100      |

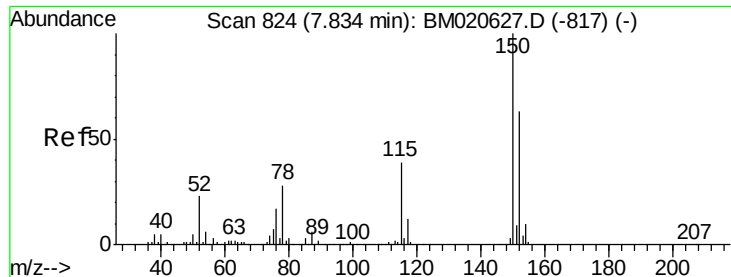
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM060119\  
Data File : BM020645.D  
Acq On : 01 Jun 2019 11:56  
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Sample : K3072-04  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-4

Quant Time: Jun 03 00:56:26 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM053119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 31 15:48:49 2019  
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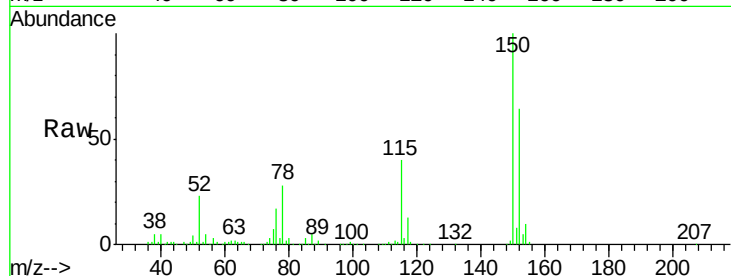


#1

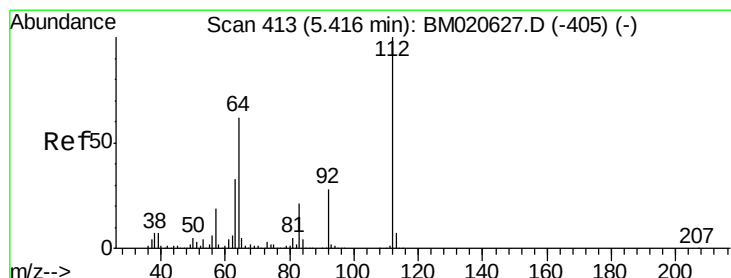
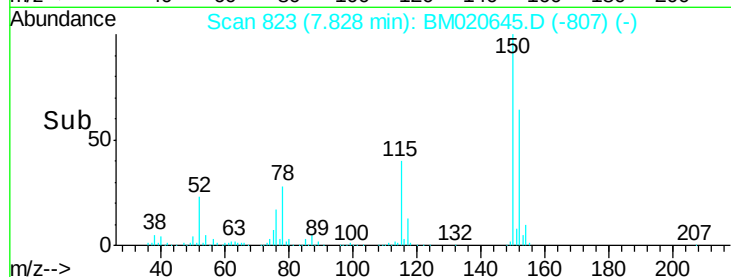
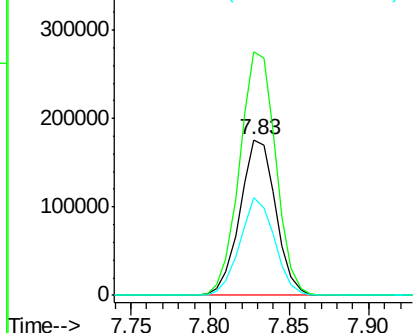
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.83 min Scan# 823  
Delta R.T. -0.01 min  
Lab File: BM020645.D  
Acq: 01 Jun 2019 11:56

Instrument :  
BNA\_M  
ClientSampleId :  
TP-4

Tgt Ion:152 Resp: 274728  
Ion Ratio Lower Upper  
152 100  
150 156.4 126.0 189.0  
115 62.8 49.6 74.4



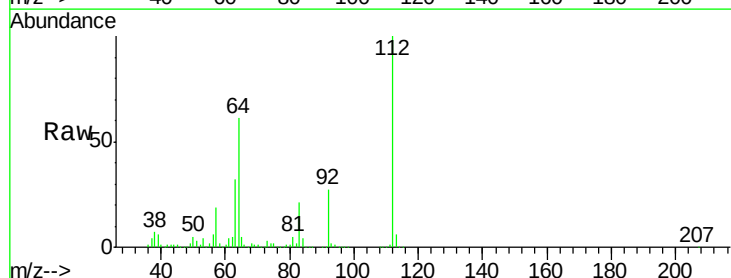
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



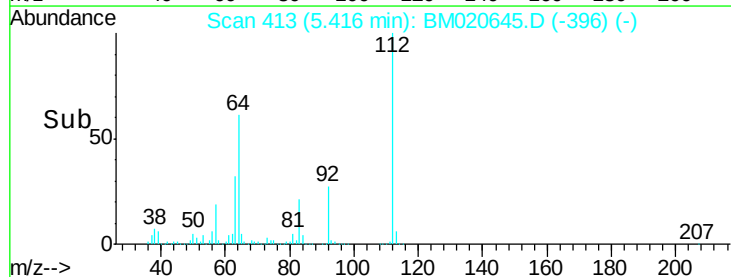
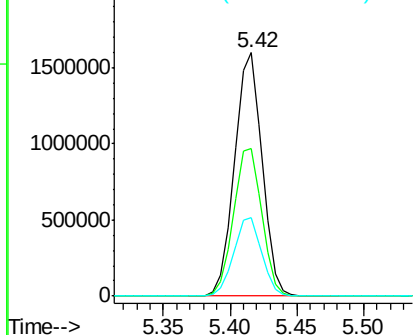
#5

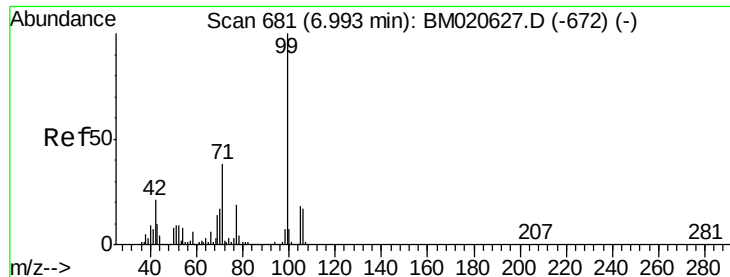
2-Fluorophenol  
Concen: 147.333 ng  
RT: 5.42 min Scan# 413  
Delta R.T. -0.00 min  
Lab File: BM020645.D  
Acq: 01 Jun 2019 11:56

Tgt Ion:112 Resp: 2301018  
Ion Ratio Lower Upper  
112 100  
64 60.8 49.7 74.5  
63 32.5 26.4 39.6



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: 138.636 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM020645.D

Acq: 01 Jun 2019 11:56

Instrument :

BNA\_M

ClientSampled :

TP-4

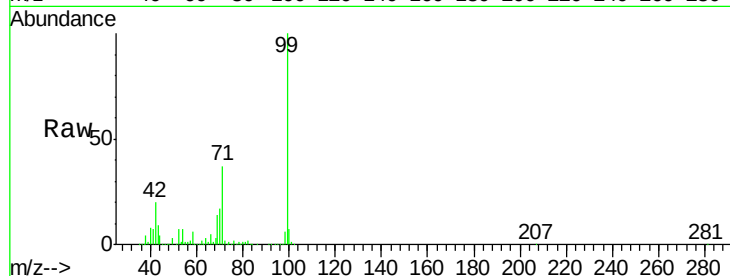
Tgt Ion: 99 Resp: 3188176

Ion Ratio Lower Upper

99 100

42 19.5 16.5 24.7

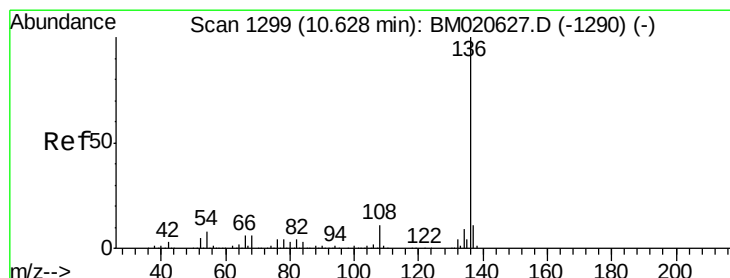
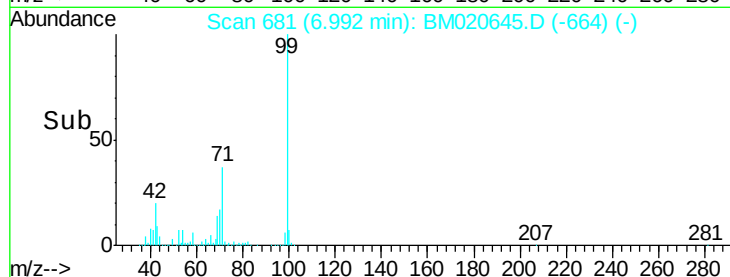
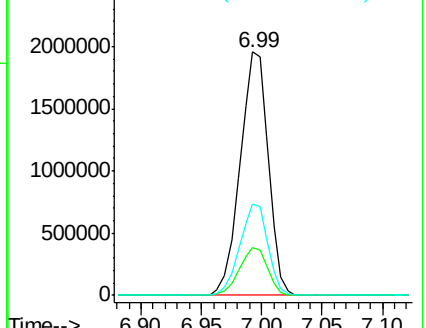
71 37.5 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BM020627.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM020627.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM020627.D (-672) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM020645.D

Acq: 01 Jun 2019 11:56

Tgt Ion: 136 Resp: 1102104

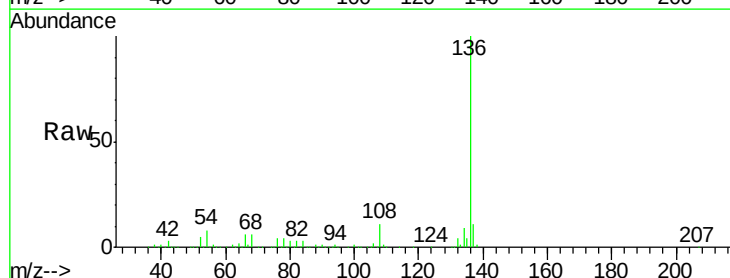
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.1 6.6 10.0

68 6.5 5.1 7.7

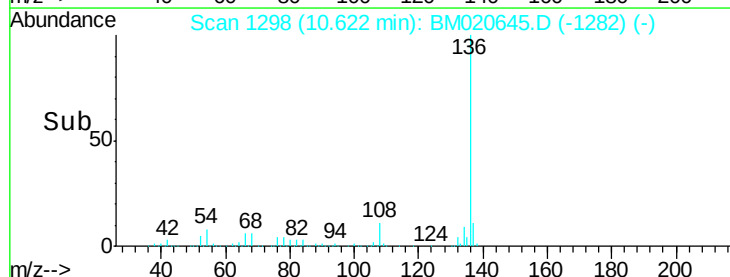
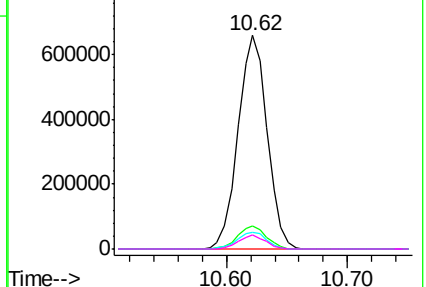


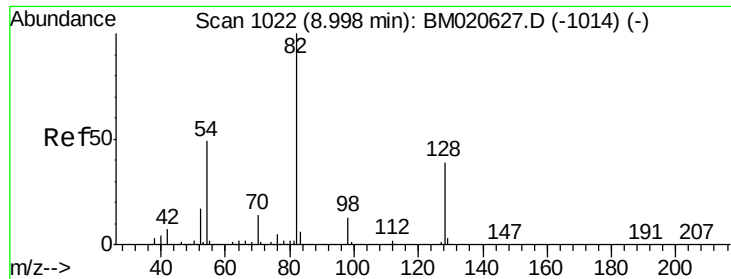
Abundance Ion 136.00 (135.70 to 136.70): BM020627.D (-1290) (-)

Ion 137.00 (136.70 to 137.70): BM020627.D (-1290) (-)

Ion 54.00 (53.70 to 54.70): BM020627.D (-1290) (-)

Ion 68.00 (67.70 to 68.70): BM020627.D (-1290) (-)

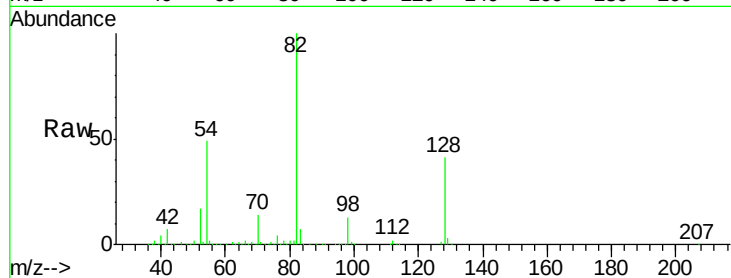




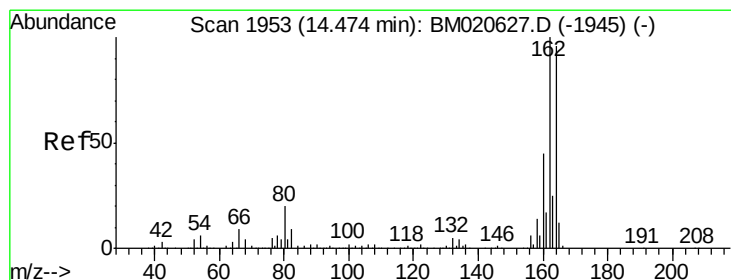
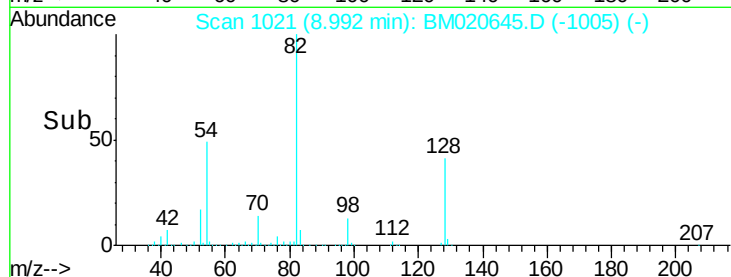
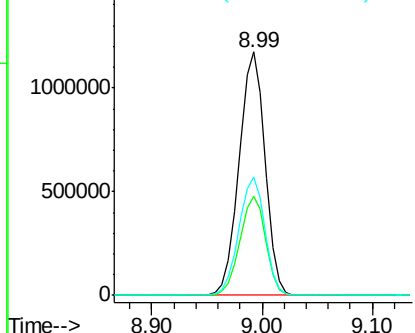
#23  
 Nitrobenzene-d5  
 Concen: 91.279 ng  
 RT: 8.99 min Scan# 1021  
 Delta R.T. -0.01 min  
 Lab File: BM020645.D  
 Acq: 01 Jun 2019 11:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-4

Tgt Ion: 82 Resp: 1941623  
 Ion Ratio Lower Upper  
 82 100  
 128 40.7 31.5 47.3  
 54 48.7 39.4 59.0

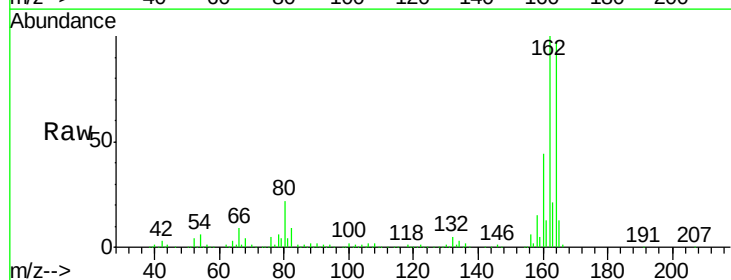


Abundance Ion 82.00 (81.70 to 82.70): BM0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BM0

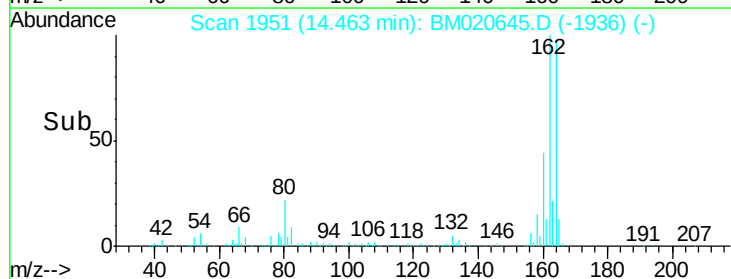
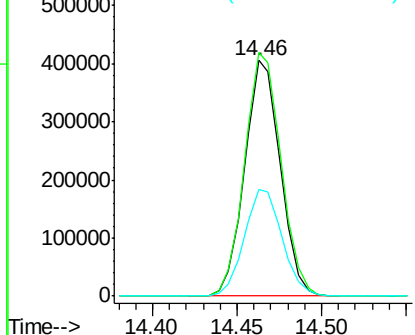


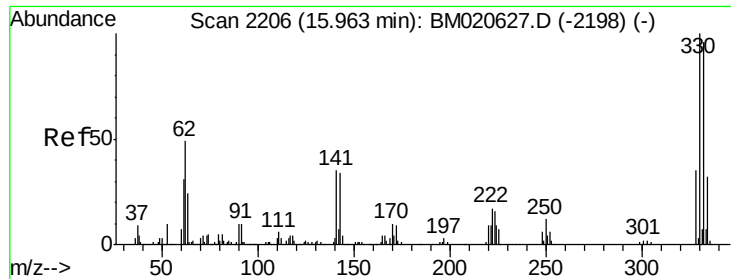
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.46 min Scan# 1951  
 Delta R.T. -0.01 min  
 Lab File: BM020645.D  
 Acq: 01 Jun 2019 11:56

Tgt Ion: 164 Resp: 593945  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 83.2 124.8  
 160 45.2 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

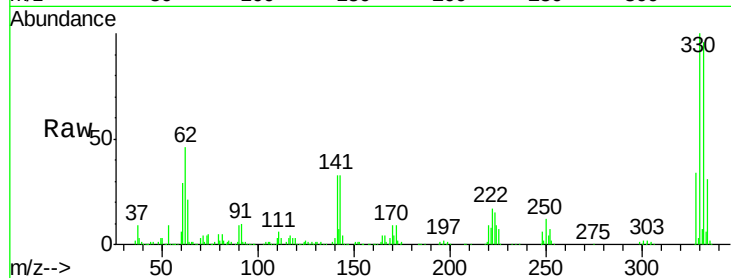




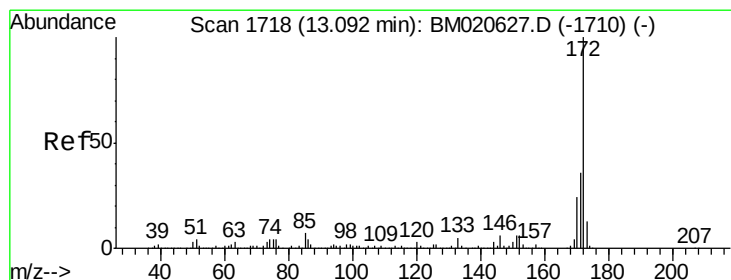
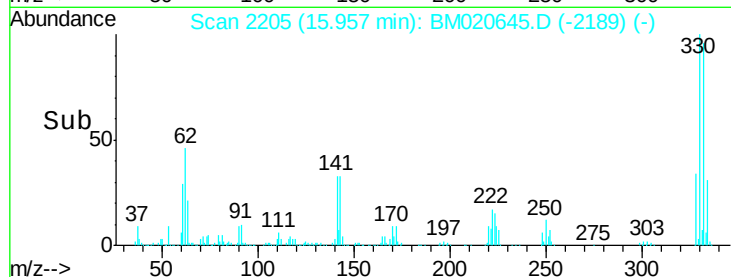
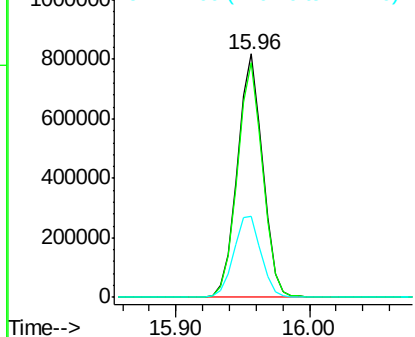
#42  
 2,4,6-Tribromophenol  
 Concen: 146.356 ng  
 RT: 15.96 min Scan# 2205  
 Delta R.T. -0.01 min  
 Lab File: BM020645.D  
 Acq: 01 Jun 2019 11:56

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-4

Tgt Ion:330 Resp: 1077024  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 77.4 116.0  
 141 36.3 30.4 45.6

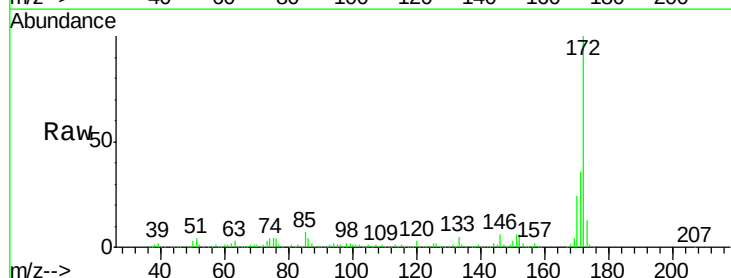


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

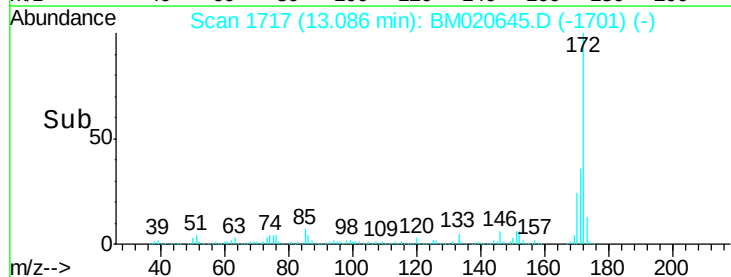
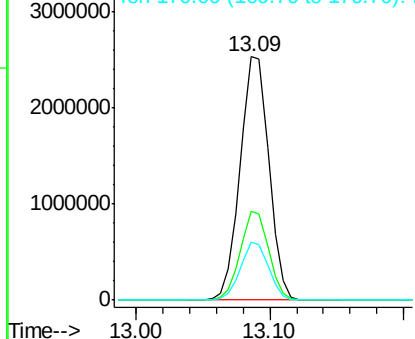


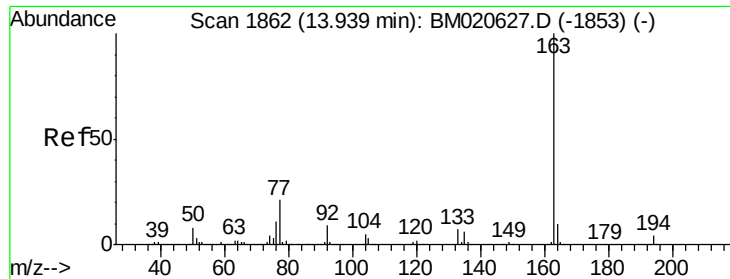
#45  
 2-Fluorobiphenyl  
 Concen: 84.143 ng  
 RT: 13.09 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BM020645.D  
 Acq: 01 Jun 2019 11:56

Tgt Ion:172 Resp: 3759175  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.6 43.0  
 170 23.8 18.9 28.3



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





#50

Dimethylphthalate

Concen: 11.002 ng

RT: 13.92 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM020645.D

Acq: 01 Jun 2019 11:56

Instrument :

BNA\_M

ClientSampleId :

TP-4

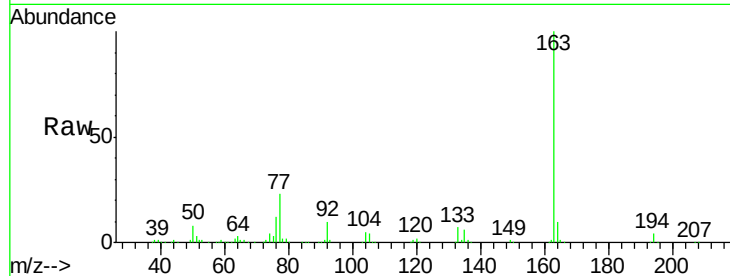
Tgt Ion:163 Resp: 558296

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

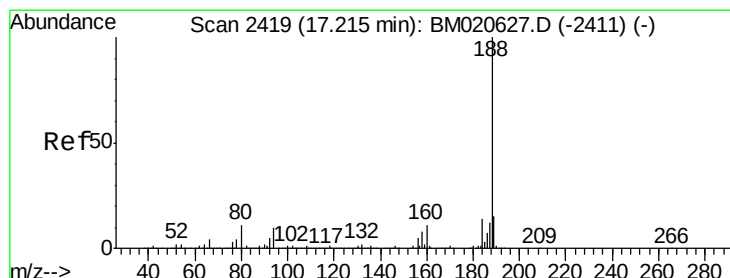
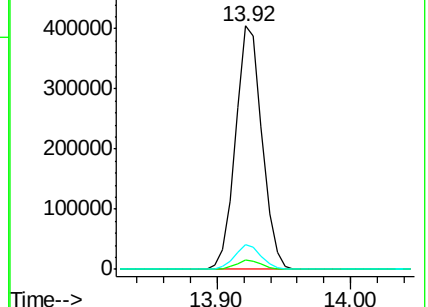
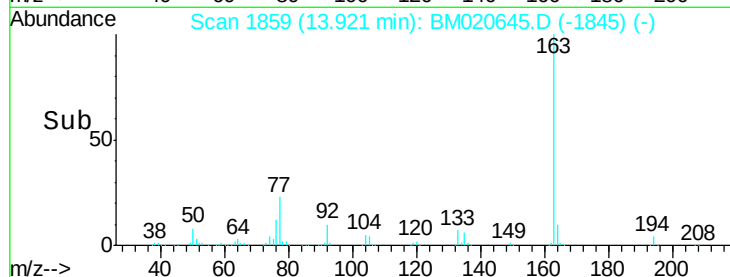
164 10.0 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BM020645.D

Acq: 01 Jun 2019 11:56

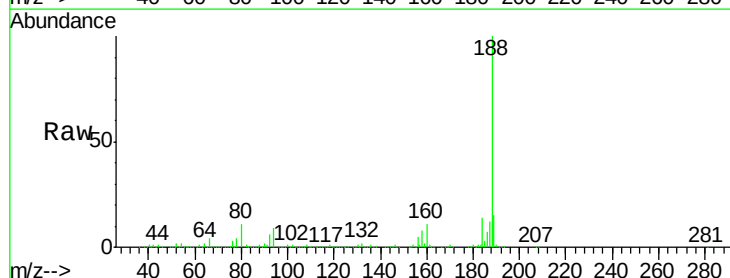
Tgt Ion:188 Resp: 1258520

Ion Ratio Lower Upper

188 100

94 9.4 7.8 11.8

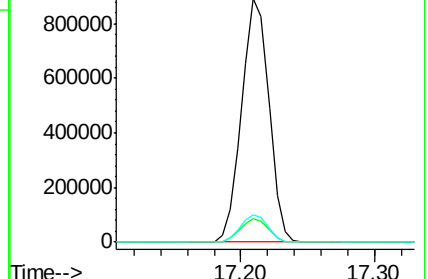
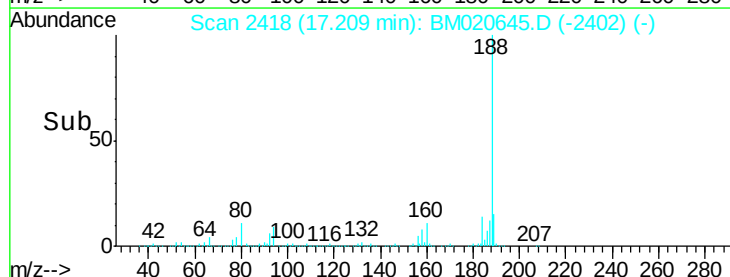
80 11.2 9.0 13.6

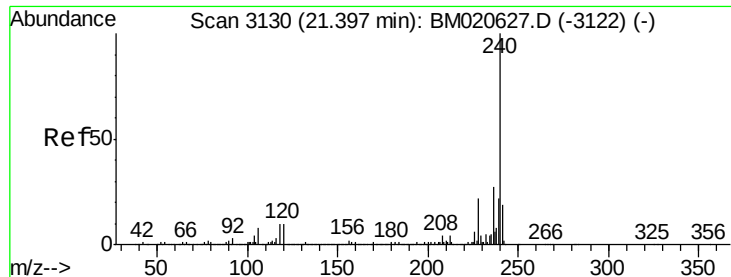


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

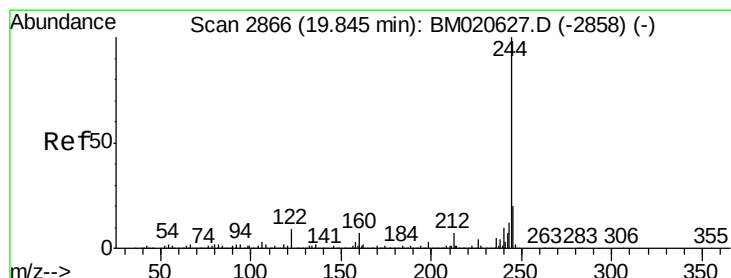
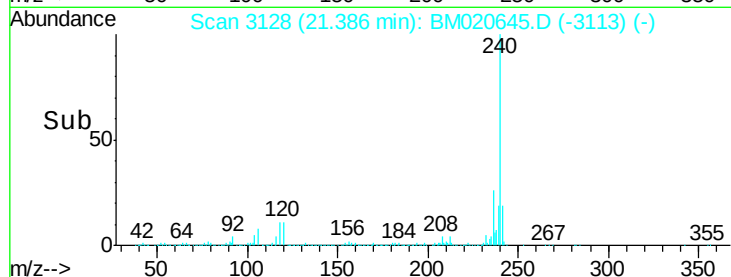
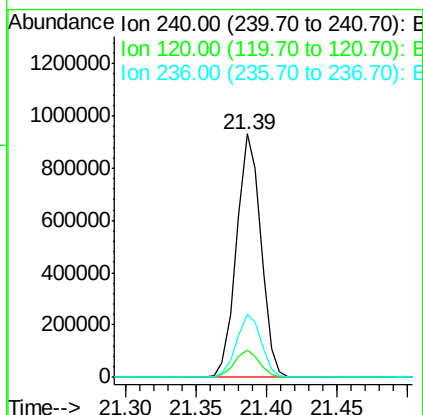
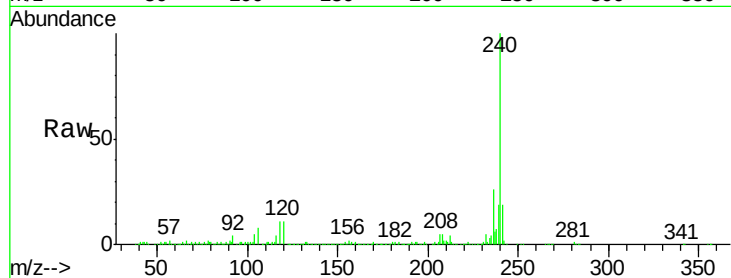




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.39 min Scan# 3128  
Delta R.T. -0.01 min  
Lab File: BM020645.D  
Acq: 01 Jun 2019 11:56

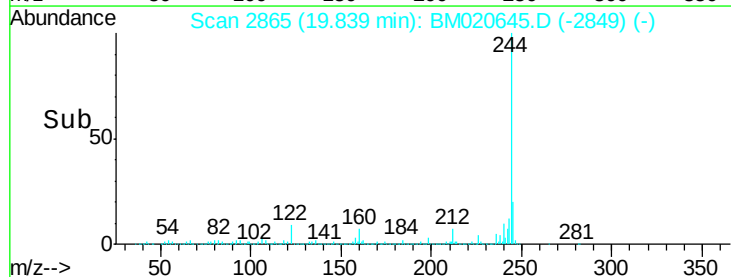
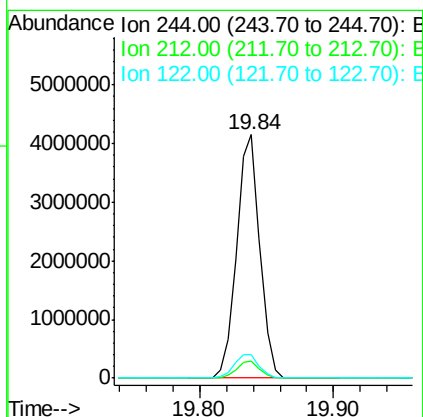
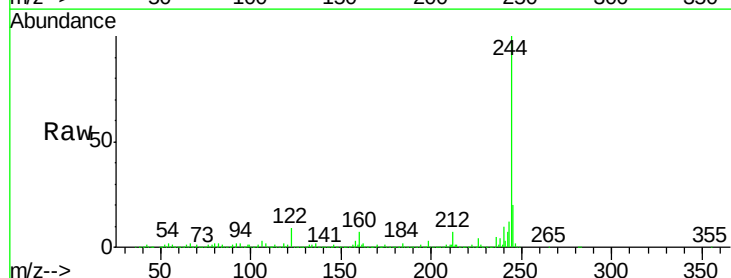
Instrument :  
BNA\_M  
ClientSampleId :  
TP-4

Tgt Ion:240 Resp: 1122500  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.2 12.2  
236 25.8 21.2 31.8

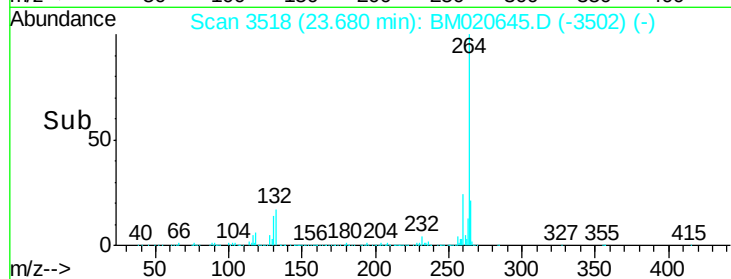
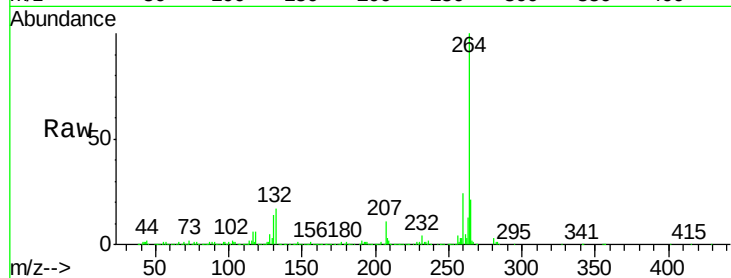
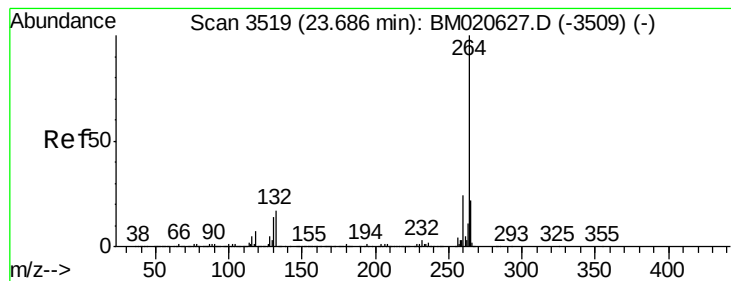


#79  
Terphenyl-d14  
Concen: 74.098 ng  
RT: 19.84 min Scan# 2865  
Delta R.T. -0.01 min  
Lab File: BM020645.D  
Acq: 01 Jun 2019 11:56

Tgt Ion:244 Resp: 4972674  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.7 8.5  
122 9.4 7.2 10.8







#87

Perylene-d12

Concen: 20.000 ng

RT: 23.68 min Scan# 3518

Delta R.T. -0.01 min

Lab File: BM020645.D

Acq: 01 Jun 2019 11:56

Instrument :

BNA\_M

ClientSampleId :

TP-4

Tgt Ion:264 Resp: 1240605

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.4 17.6 26.4

