

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM041719\  
 Data File : BM019951.D  
 Acq On : 17 Apr 2019 22:55  
 Operator : JU/SJ  
 Sample : K2417-01RE  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Apr 18 01:13:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 15 16:16:29 2019  
 Response via : Initial Calibration

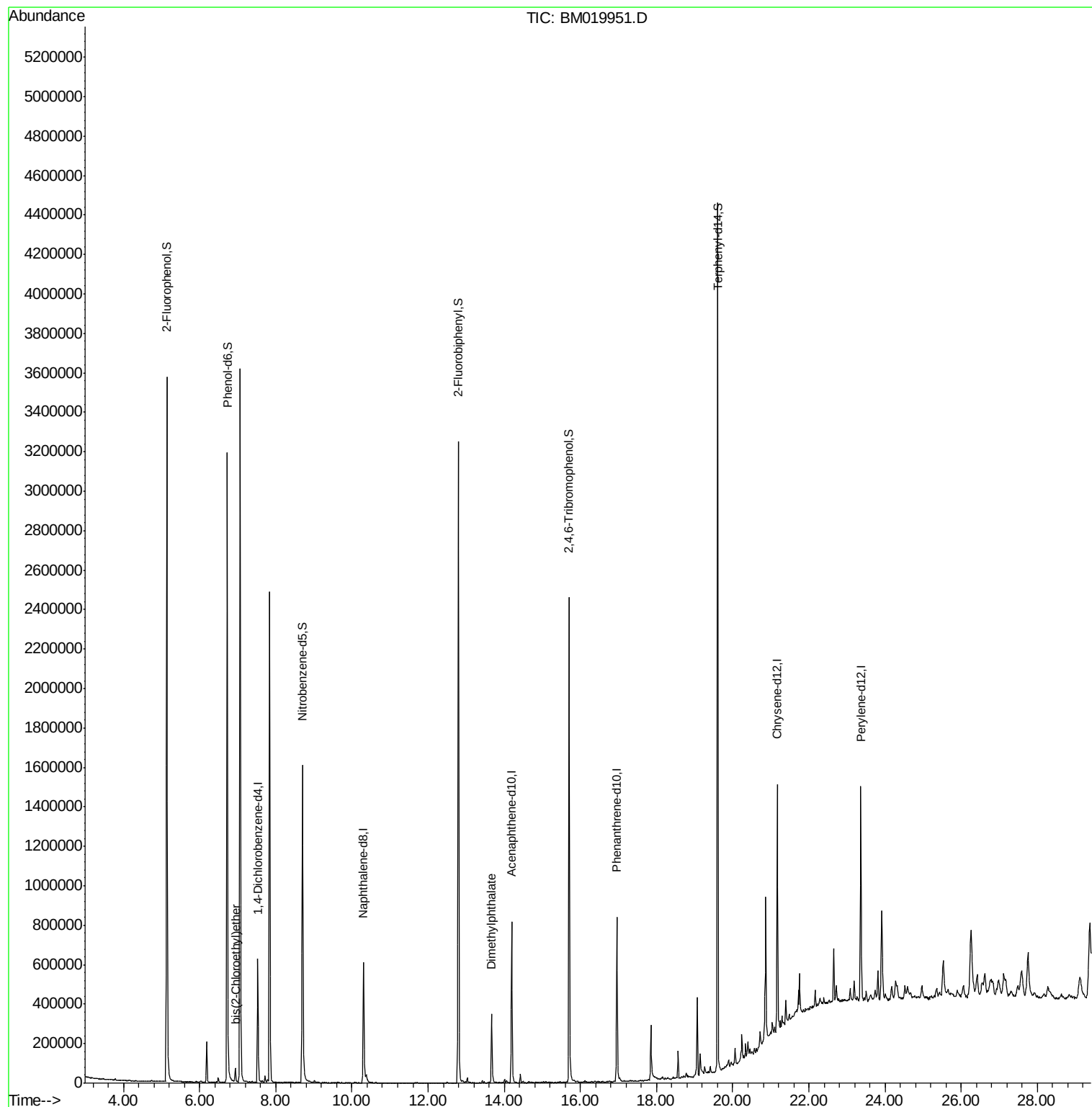
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.53  | 152  | 157148   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.30 | 136  | 557604   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.19 | 164  | 263404   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.96 | 188  | 494296   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12            | 21.17 | 240  | 534243   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12            | 23.36 | 264  | 704177   | 20.00     | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.14  | 112  | 1398237  | 144.20    | ng    | 0.00     |
| 7) Phenol-d6                | 6.72  | 99   | 1817533  | 124.55    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.70  | 82   | 1121191  | 89.92     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.70 | 330  | 455152   | 107.35    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.80 | 172  | 1628700  | 77.06     | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.60 | 244  | 1774069  | 58.57     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 6.73  | 77   | 4799     | Below Cal | #     | 7        |
| 11) bis(2-Chloroethyl)ether | 6.94  | 93   | 23902    | 2.049 ng  | #     | 25       |
| 50) Dimethylphthalate       | 13.67 | 163  | 244884   | 10.540 ng |       | 99       |

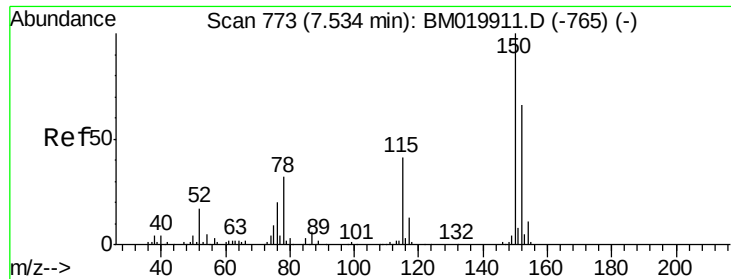
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2417-01RE  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Apr 18 01:13:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 15 16:16:29 2019  
Response via : Initial Calibration



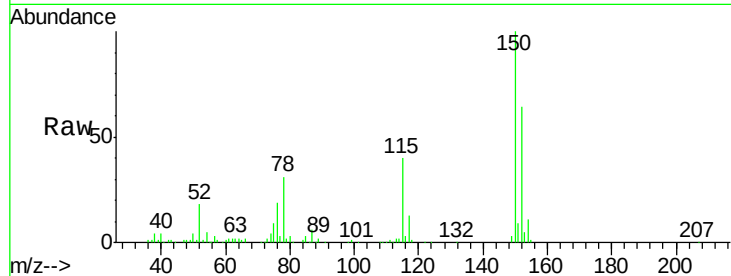


#1

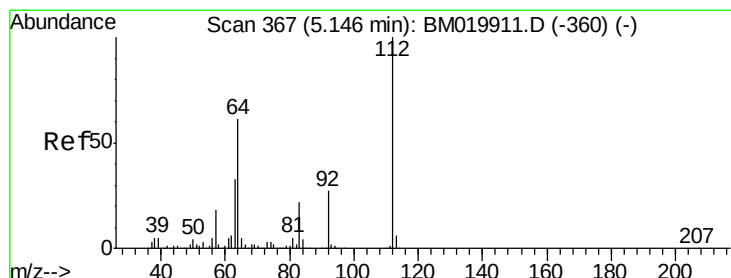
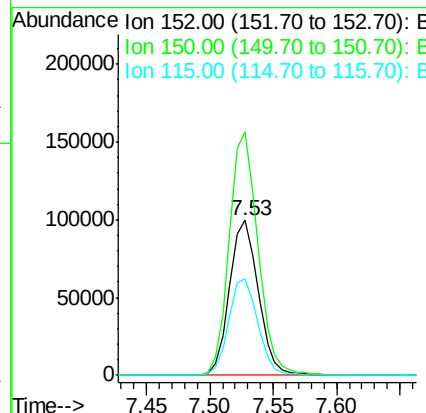
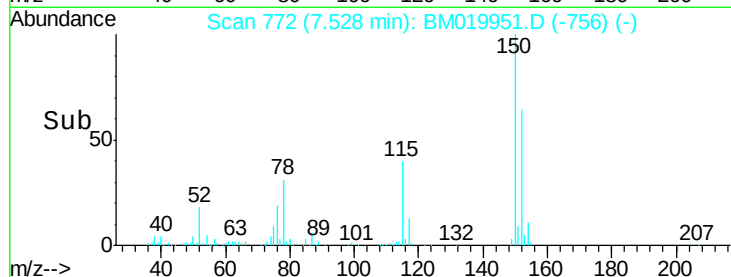
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.53 min Scan# 772  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 157148  
Ion Ratio Lower Upper  
152 100  
150 157.0 122.1 183.1  
115 62.0 50.0 75.0



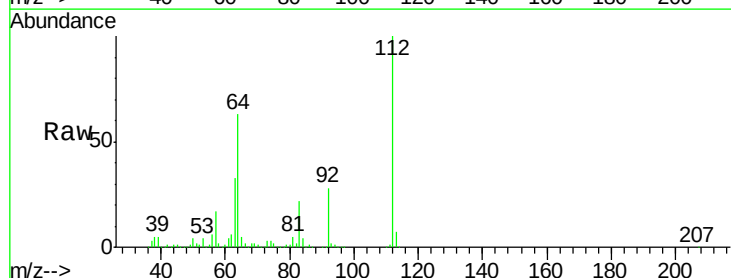
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



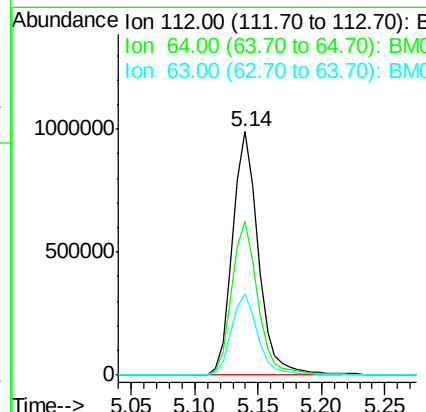
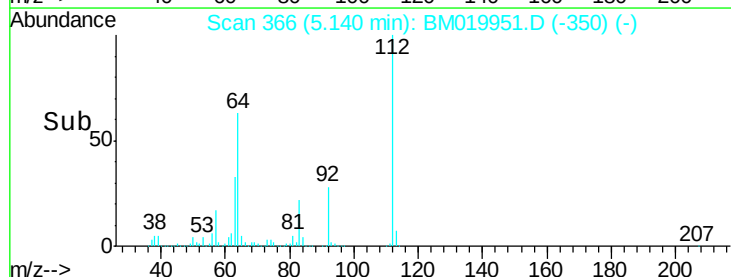
#5

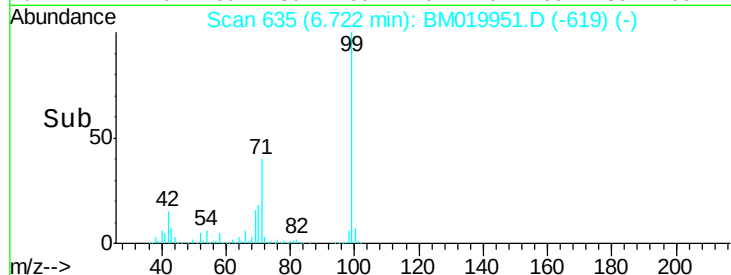
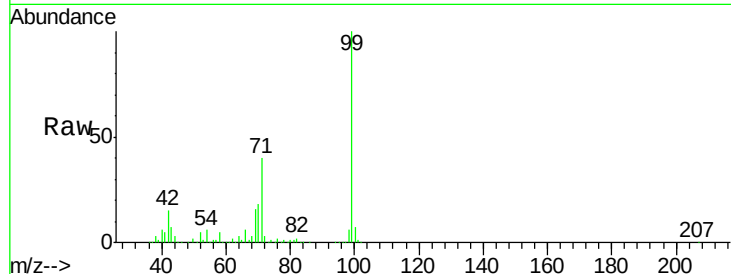
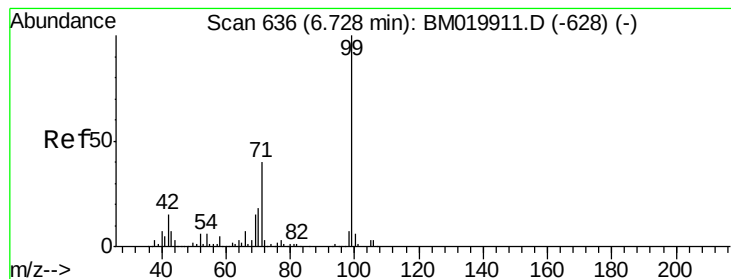
2-Fluorophenol  
Concen: 144.199 ng  
RT: 5.14 min Scan# 366  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

Tgt Ion:112 Resp: 1398237  
Ion Ratio Lower Upper  
112 100  
64 63.0 49.1 73.7  
63 33.2 26.5 39.7



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: 124.546 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.01 min

Lab File: BM019951.D

Acq: 17 Apr 2019 22:55

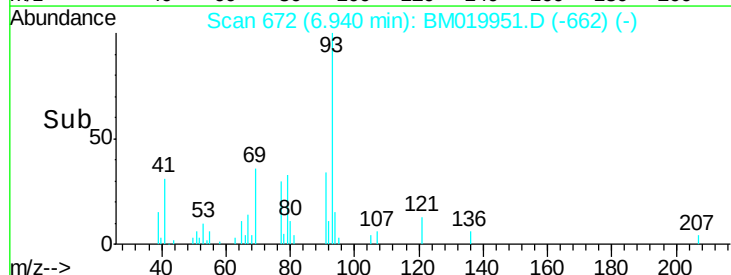
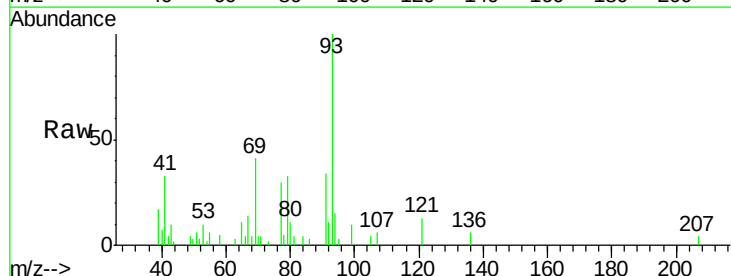
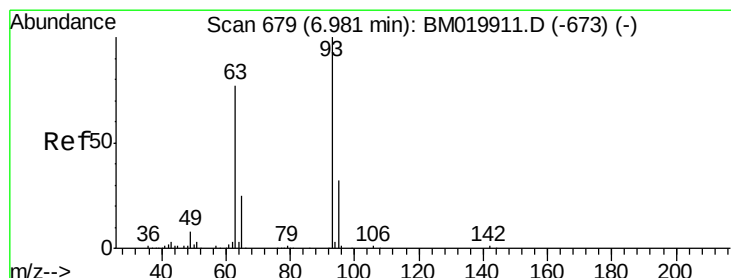
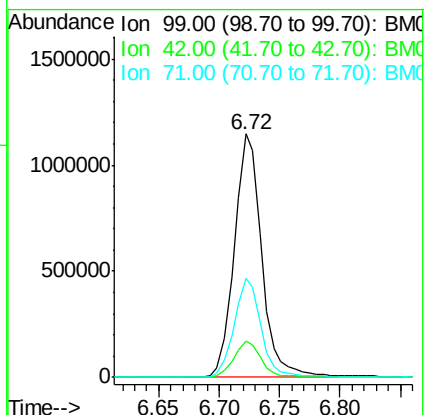
Tot Ion: 99 Resp: 1817533

Ion Ratio Lower Upper

99 100

42 14.8 11.8 17.8

71 40.5 32.0 48.0



#11

bis(2-Chloroethyl)ether

Concen: 2.049 ng

RT: 6.94 min Scan# 672

Delta R.T. -0.04 min

Lab File: BM019951.D

Acq: 17 Apr 2019 22:55

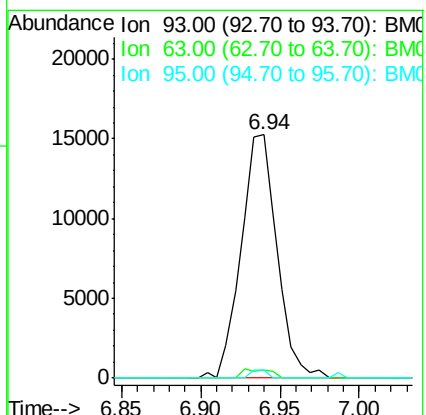
Tgt Ion: 93 Resp: 23902

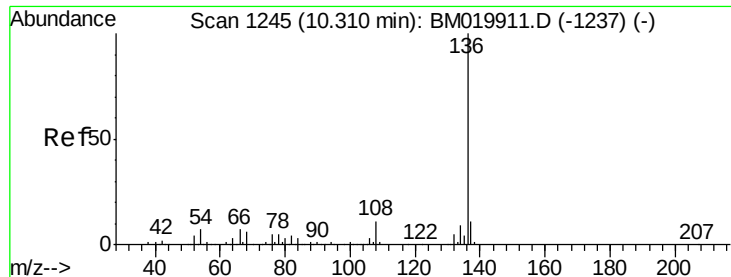
Ion Ratio Lower Upper

93 100

63 3.5 55.8 95.8#

95 3.3 11.6 51.6#

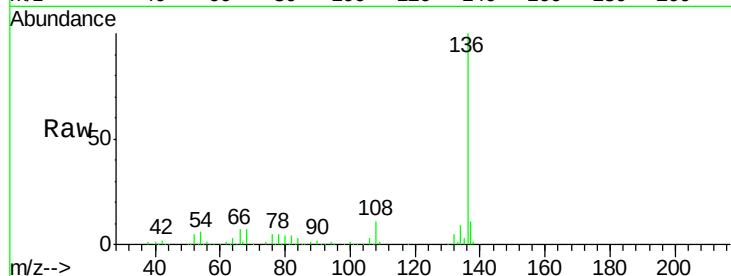




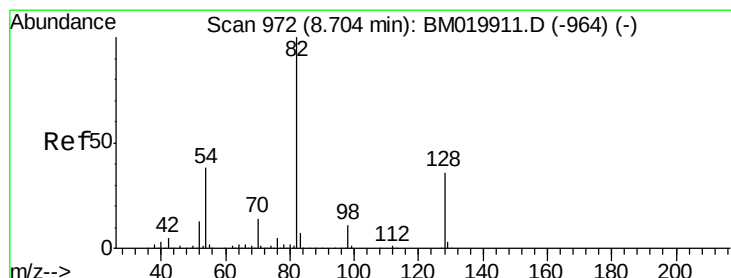
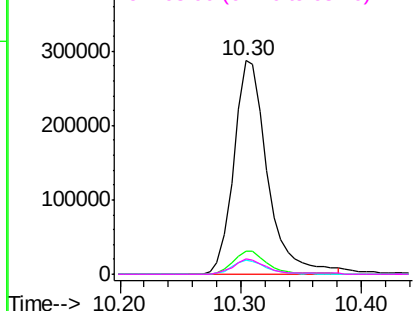
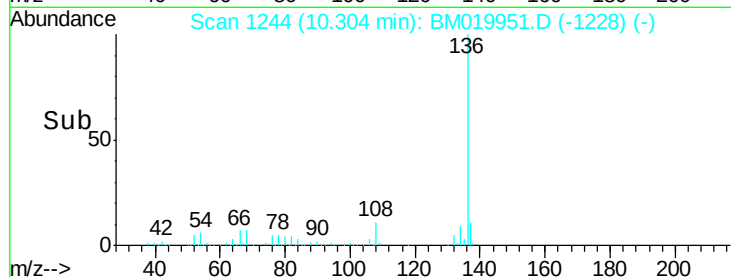
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.30 min Scan# 1244  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

Instrument :  
BNA\_M  
ClientSampleId :

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 557604 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.0    | 9.0   | 13.6   |  |
| 54 6.4      | 5.3   | 7.9    |  |
| 68 7.2      | 5.2   | 7.8    |  |

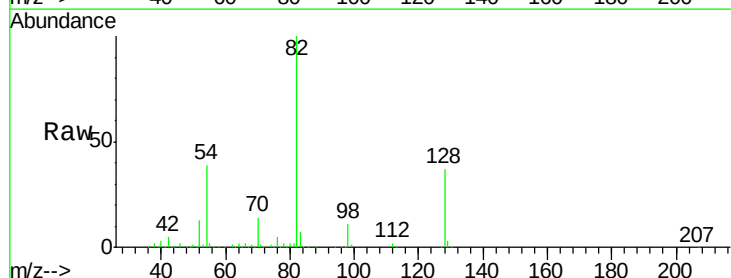


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

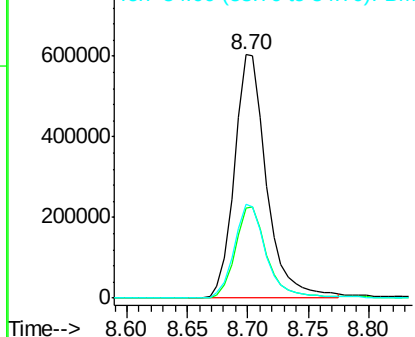
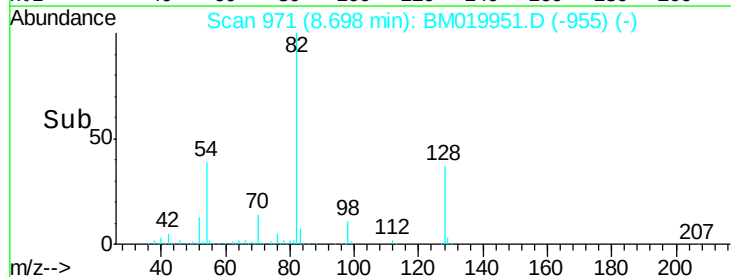


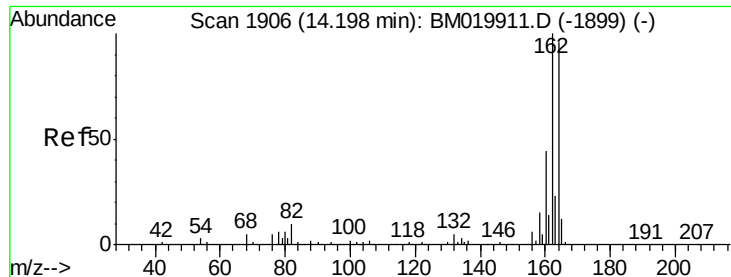
#23  
Nitrobenzene-d5  
Concen: 89.922 ng  
RT: 8.70 min Scan# 971  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1121191 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 37.1    | 29.0 43.4     |
| 54 38.5     | 30.2 45.4     |



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

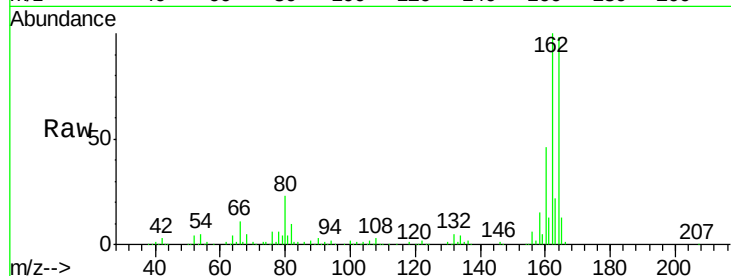




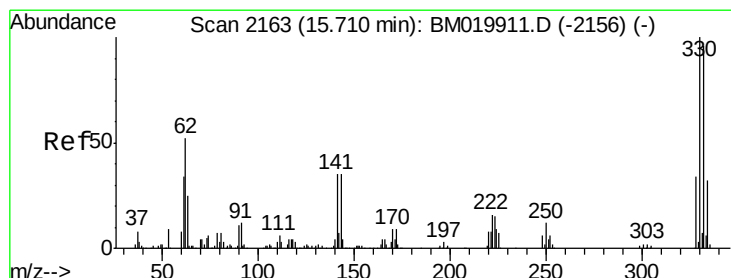
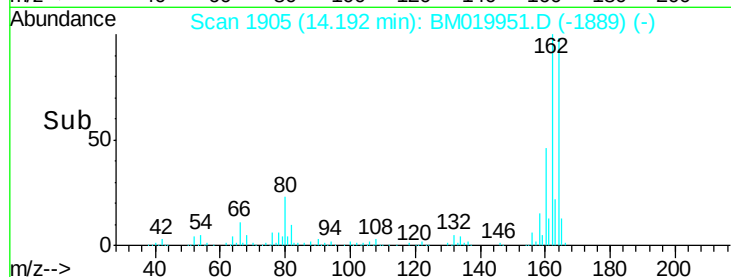
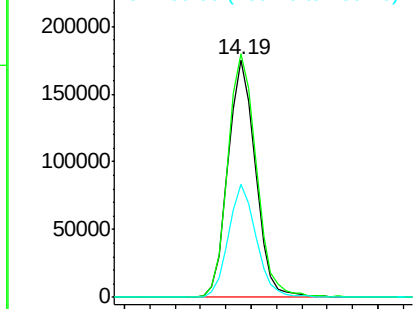
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.19 min Scan# 1905  
 Delta R.T. -0.01 min  
 Lab File: BM019951.D  
 Acq: 17 Apr 2019 22:55

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:164 Resp: 263404  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 83.0 124.4  
 160 47.4 36.6 55.0

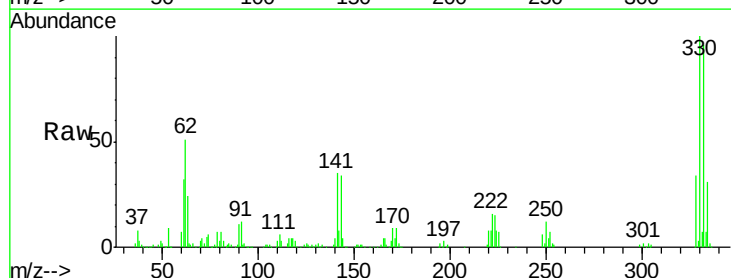


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

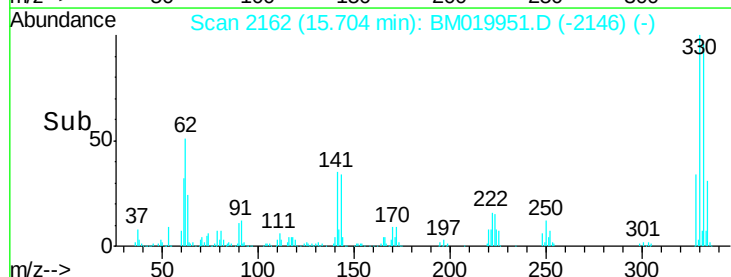
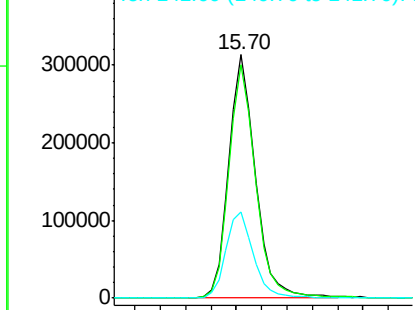


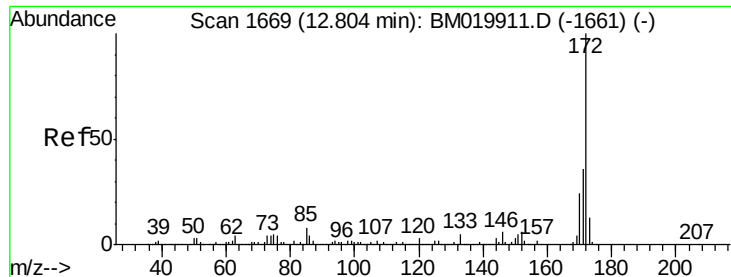
#42  
 2,4,6-Tribromophenol  
 Concen: 107.345 ng  
 RT: 15.70 min Scan# 2162  
 Delta R.T. -0.01 min  
 Lab File: BM019951.D  
 Acq: 17 Apr 2019 22:55

Tgt Ion:330 Resp: 455152  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.4 116.2  
 141 36.8 29.0 43.4



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

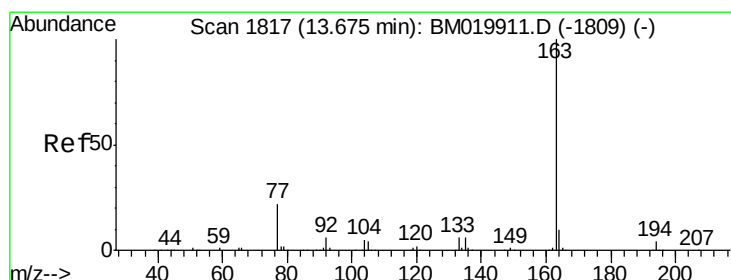
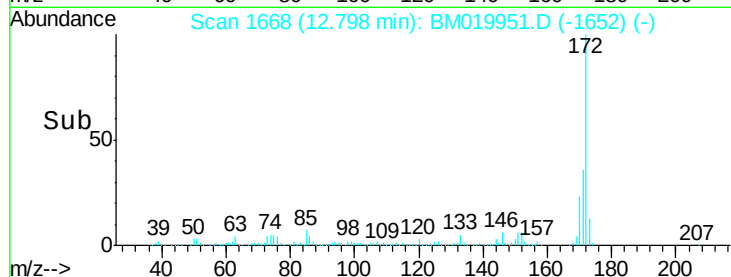
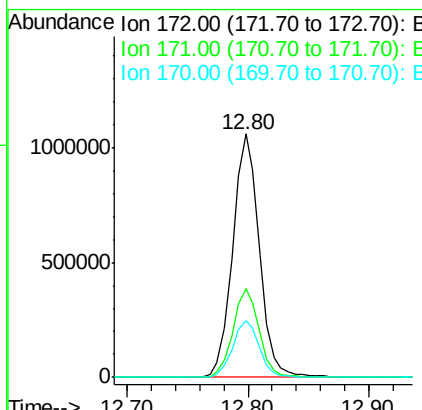
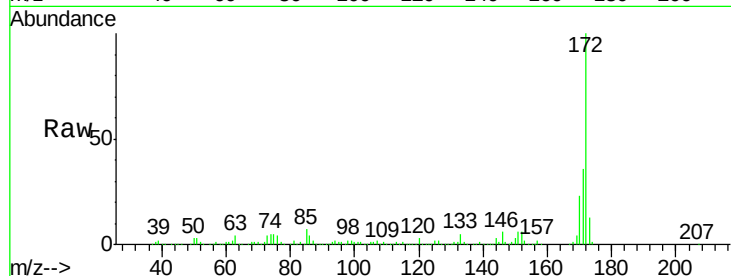




#45  
2-Fluorobiphenyl  
Concen: 77.058 ng  
RT: 12.80 min Scan# 1668  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

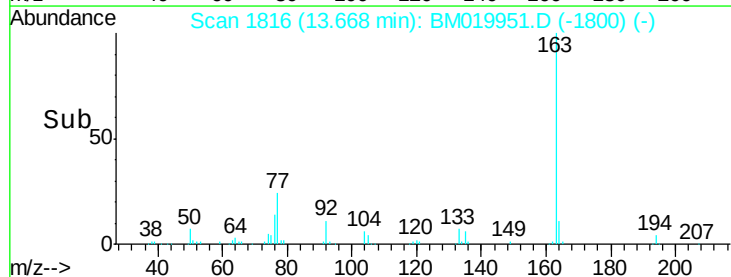
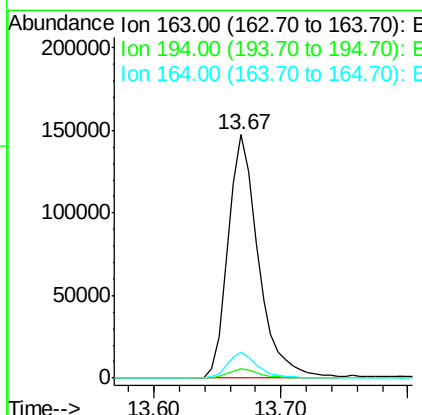
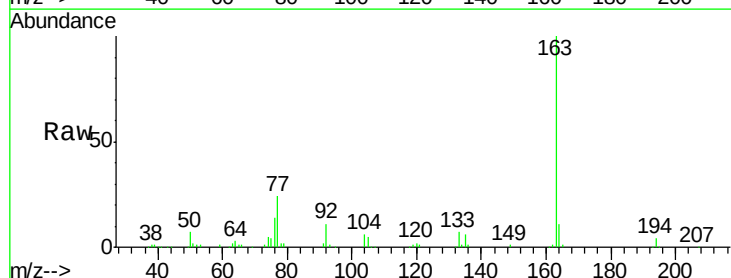
Instrument :  
BNA\_M  
ClientSampled :

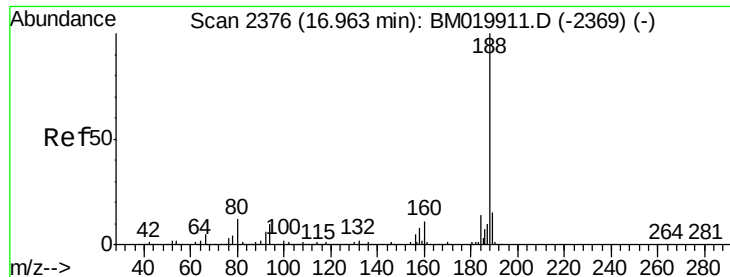
Tot Ion:172 Resp: 1628700  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.9 43.3  
170 23.4 19.0 28.4



#50  
Dimethylphthalate  
Concen: 10.540 ng  
RT: 13.67 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

Tgt Ion:163 Resp: 244884  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 10.6 7.9 11.9

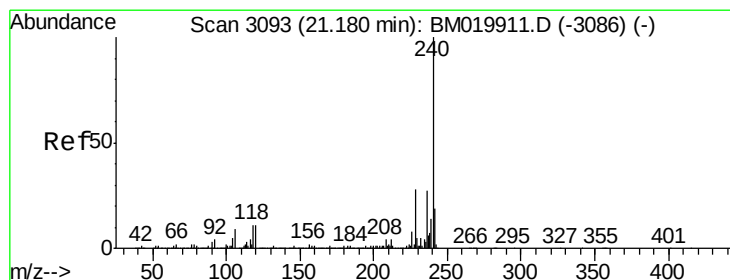
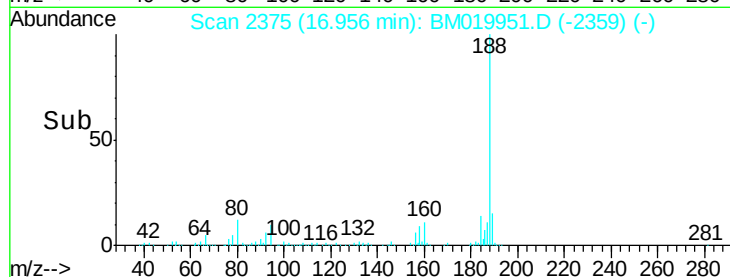
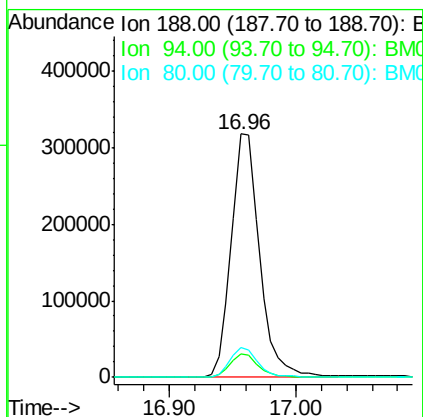
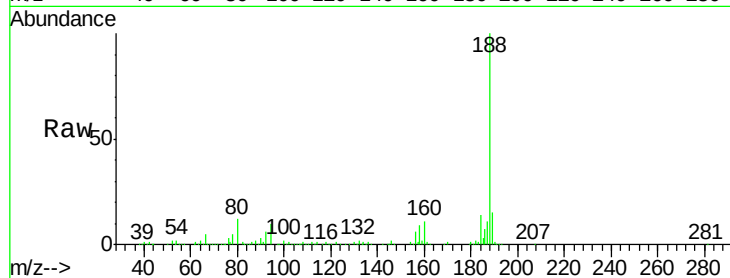




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.96 min Scan# 2375  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

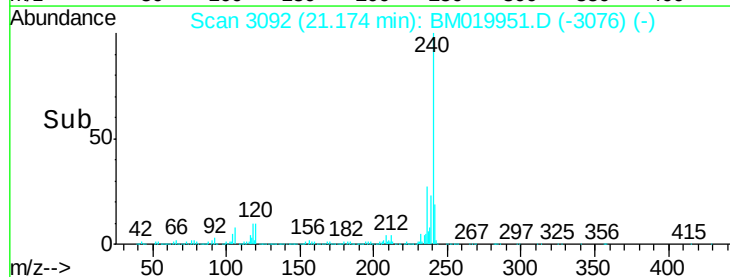
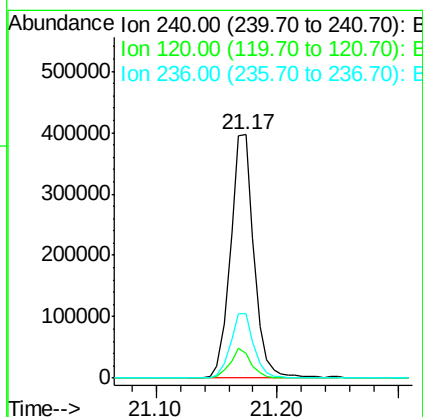
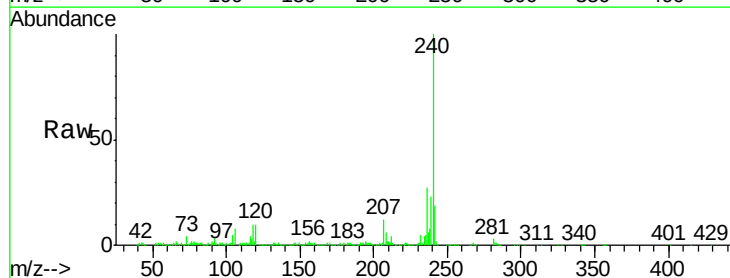
Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:188 Resp: 494296  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.6 11.4  
80 12.1 9.4 14.0

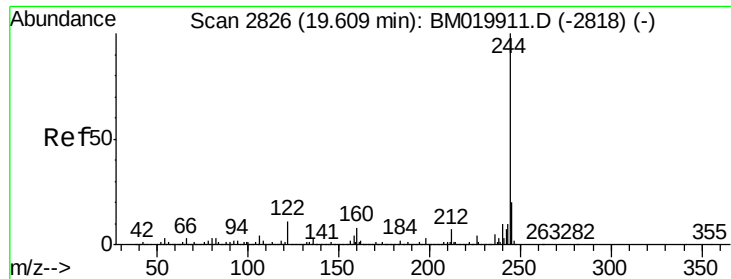


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.17 min Scan# 3092  
Delta R.T. -0.01 min  
Lab File: BM019951.D  
Acq: 17 Apr 2019 22:55

Tgt Ion:240 Resp: 534243  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.6 13.0  
236 26.5 21.4 32.2







#79

Terphenyl-d14

Concen: 58.572 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM019951.D

Acq: 17 Apr 2019 22:55

Instrument :

BNA\_M

ClientSampleId :

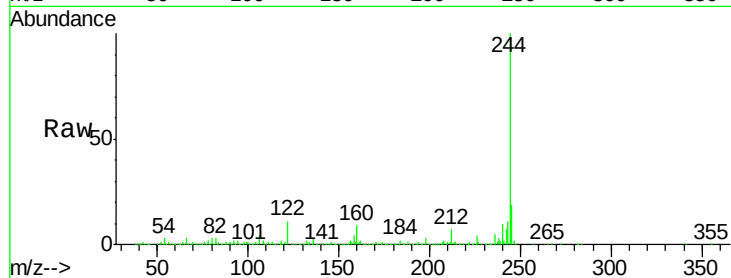
Tot Ion:244 Resp: 1774069

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

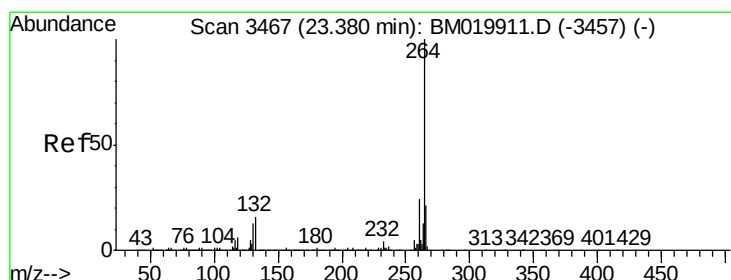
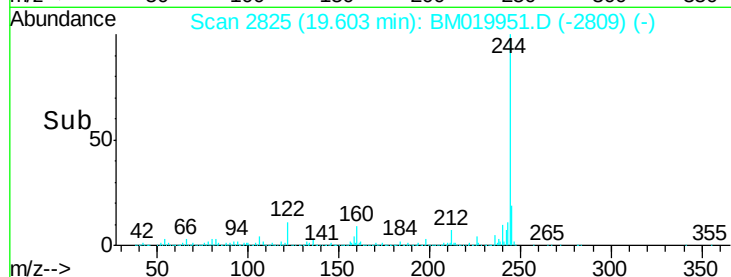
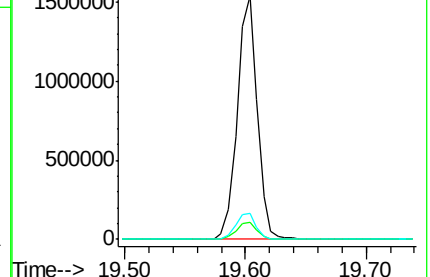
122 10.5 9.1 13.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3464

Delta R.T. -0.02 min

Lab File: BM019951.D

Acq: 17 Apr 2019 22:55

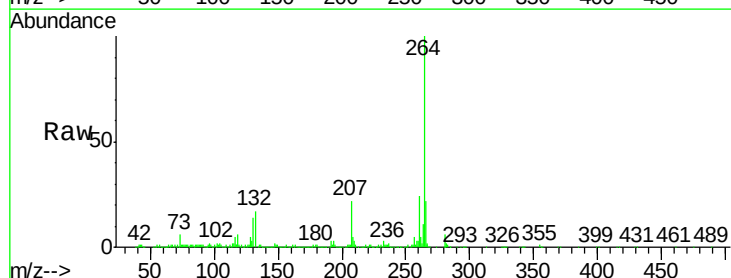
Tgt Ion:264 Resp: 704177

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

