

Data File : BM020685.D  
Acq On : 03 Jun 2019 23:42  
Operator : HP/JU  
Sample : K3138-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-10-COMP

Quant Time: Jun 04 04:21:28 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

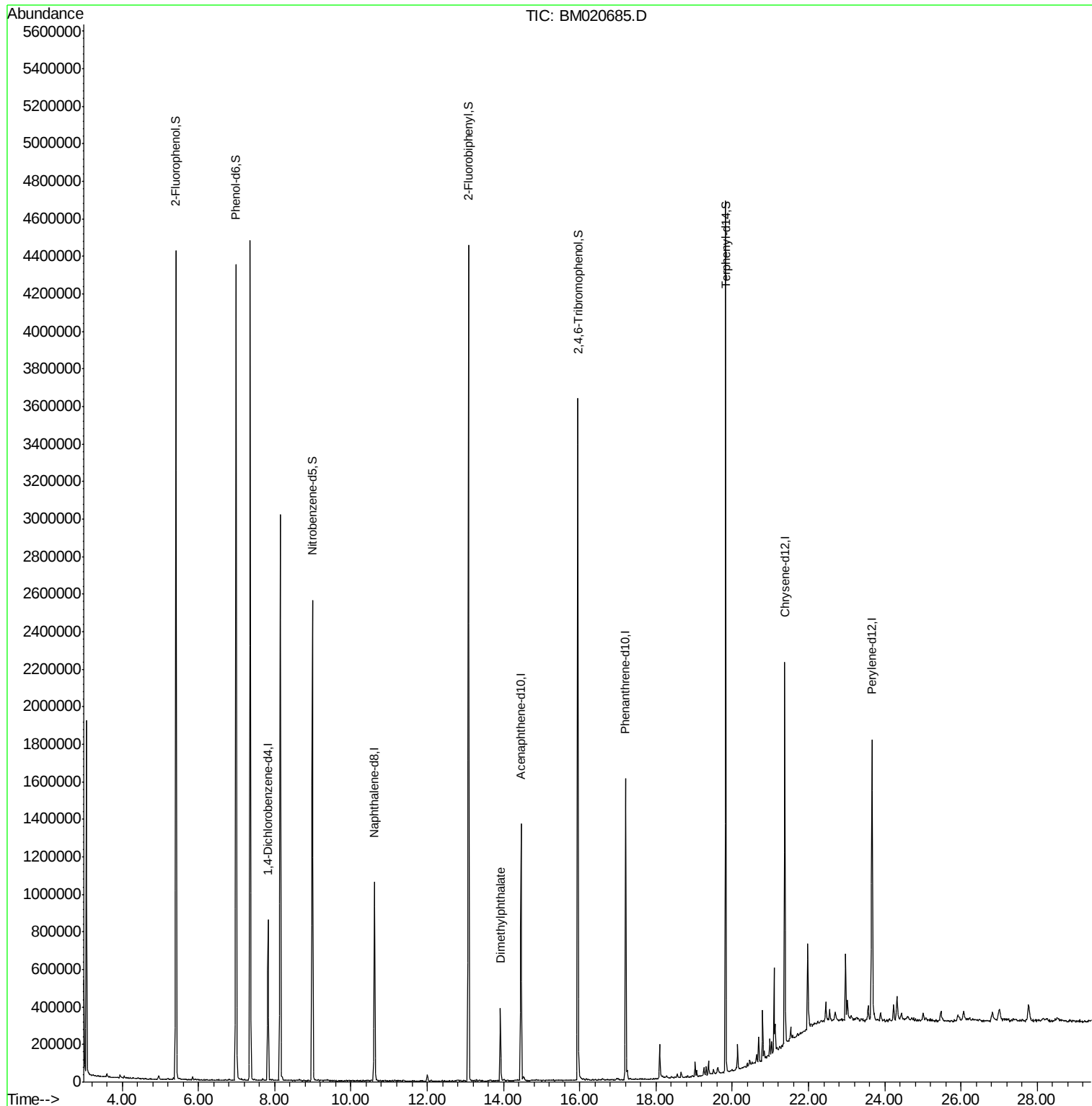
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.83  | 152  | 222998   | 20.00     | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.62 | 136  | 850344   | 20.00     | ng    | -0.01       |
| 39) Acenaphthene-d10        | 14.46 | 164  | 429350   | 20.00     | ng    | -0.01       |
| 64) Phenanthrene-d10        | 17.20 | 188  | 881055   | 20.00     | ng    | -0.01       |
| 76) Chrysene-d12            | 21.38 | 240  | 851423   | 20.00     | ng    | -0.02       |
| 87) Perylene-d12            | 23.67 | 264  | 1043808  | 20.00     | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |           |       |             |
| 5) 2-Fluorophenol           | 5.41  | 112  | 1728987  | 136.39    | ng    | 0.00        |
| 7) Phenol-d6                | 6.99  | 99   | 2363172  | 126.60    | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 8.99  | 82   | 1424072  | 86.77     | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 15.95 | 330  | 644518   | 121.16    | ng    | -0.01       |
| 45) 2-Fluorobiphenyl        | 13.08 | 172  | 2162189  | 66.95     | ng    | -0.01       |
| 79) Terphenyl-d14           | 19.83 | 244  | 1943247  | 38.18     | ng    | -0.02       |
| Target Compounds            |       |      |          |           |       |             |
| 9) Benzaldehyde             | 6.98  | 77   | 6269     | Below Cal |       | Qvalue # 47 |
| 50) Dimethylphthalate       | 13.92 | 163  | 249999   | 6.815 ng  |       | 99          |

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

Data File : BM020685.D  
Acq On : 03 Jun 2019 23:42  
Operator : HP/JU  
Sample : K3138-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-10-COMP

Quant Time: Jun 04 04:21:28 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



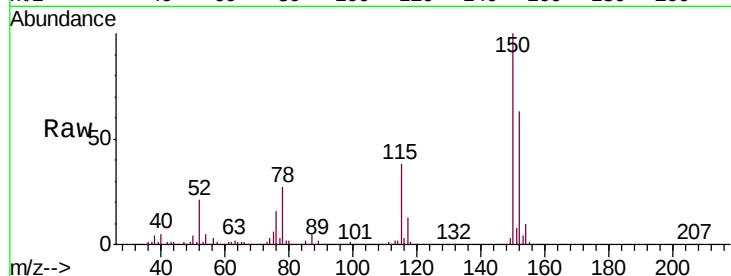


#1

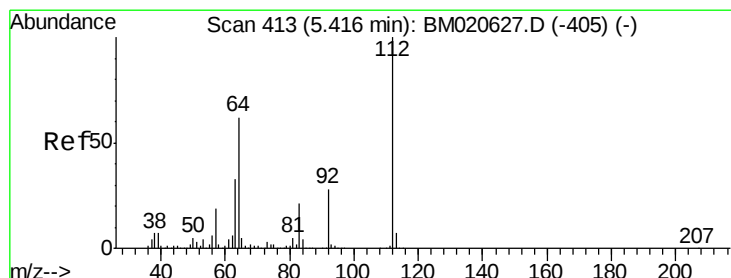
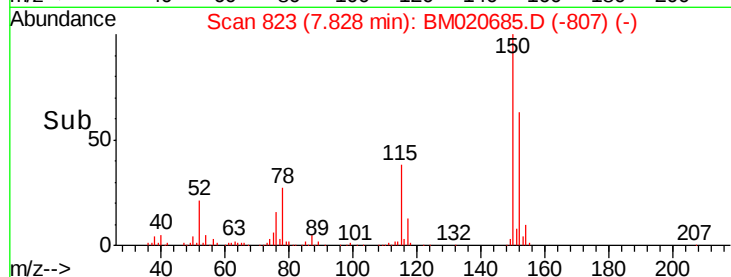
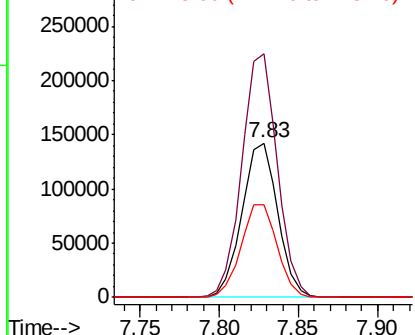
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.83 min Scan# 823  
Delta R.T. -0.01 min  
Lab File: BM020685.D  
Acq: 03 Jun 2019 23:42

Instrument :  
BNA\_M  
ClientSampleId :  
B-10-COMP

Tgt Ion:152 Resp: 222998  
Ion Ratio Lower Upper  
152 100  
150 157.5 126.0 189.0  
115 60.0 49.6 74.4



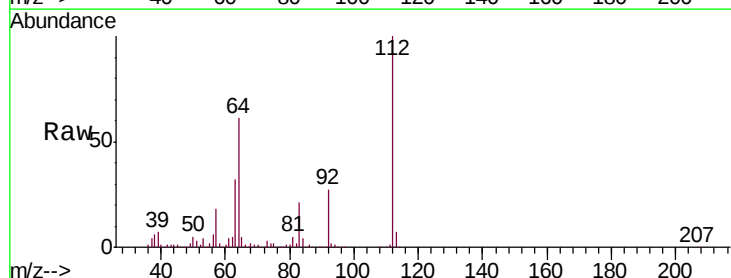
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



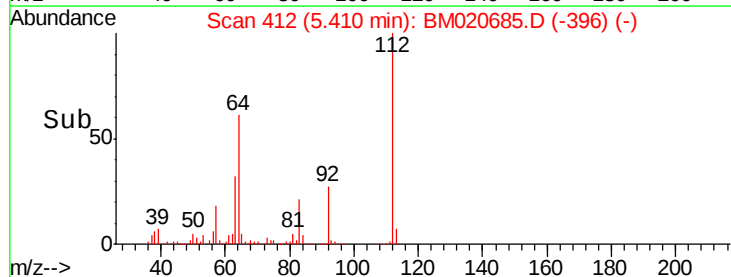
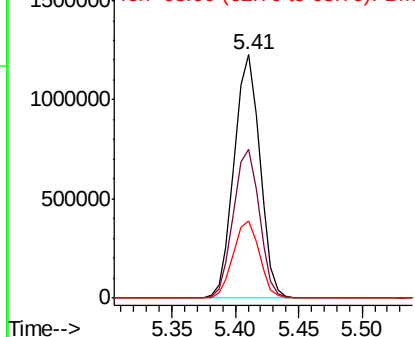
#5

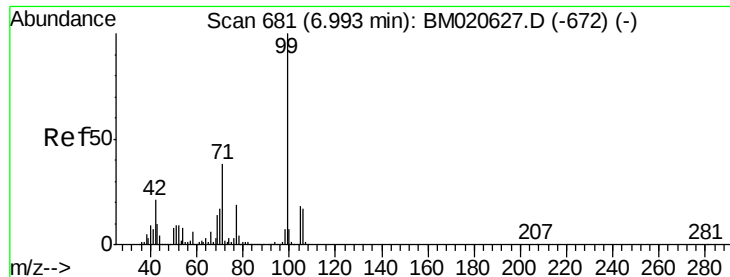
2-Fluorophenol  
Concen: 136.387 ng  
RT: 5.41 min Scan# 412  
Delta R.T. -0.01 min  
Lab File: BM020685.D  
Acq: 03 Jun 2019 23:42

Tgt Ion:112 Resp: 1728987  
Ion Ratio Lower Upper  
112 100  
64 61.0 49.7 74.5  
63 31.8 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: 126.600 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM020685.D

Acq: 03 Jun 2019 23:42

Instrument :

BNA\_M

ClientSampleId :

B-10-COMP

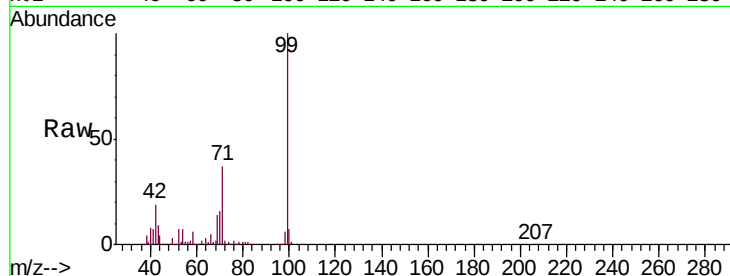
Tgt Ion: 99 Resp: 2363172

Ion Ratio Lower Upper

99 100

42 19.0 16.5 24.7

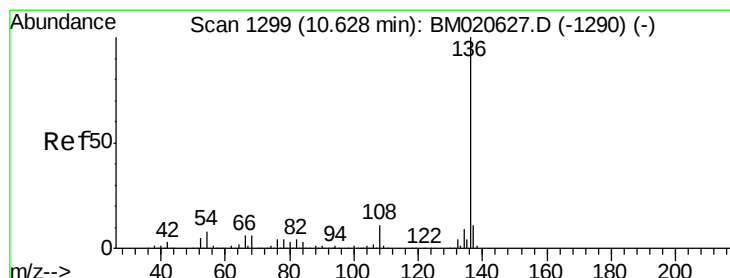
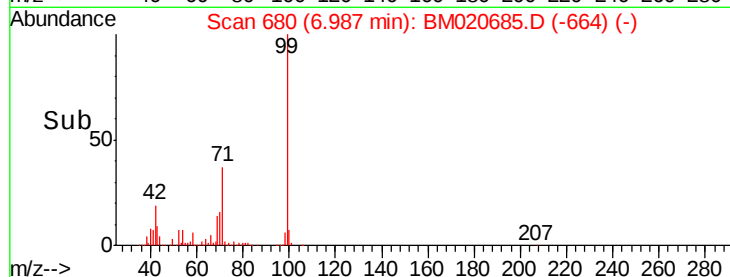
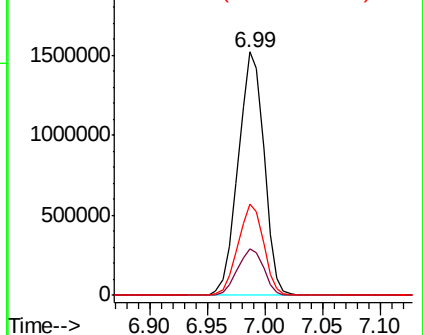
71 37.4 30.7 46.1



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# 1297

Delta R.T. -0.01 min

Lab File: BM020685.D

Acq: 03 Jun 2019 23:42

Tgt Ion: 136 Resp: 850344

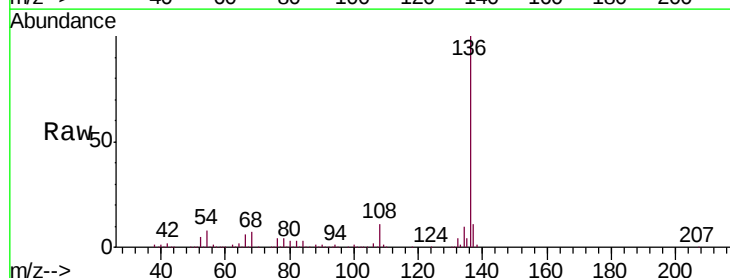
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 7.6 6.6 10.0

68 6.6 5.1 7.7

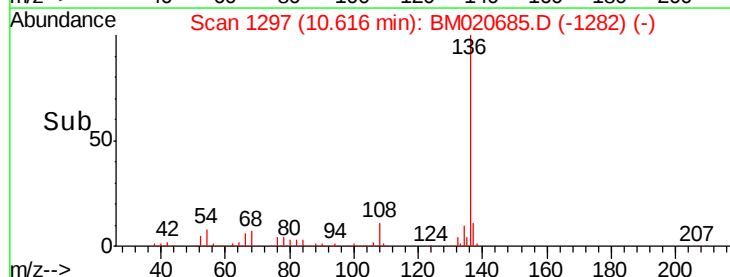
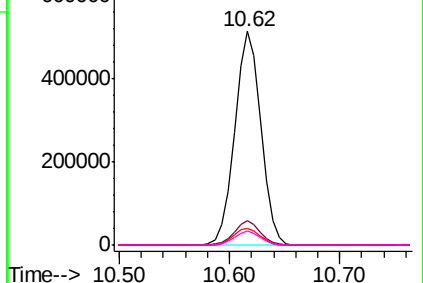


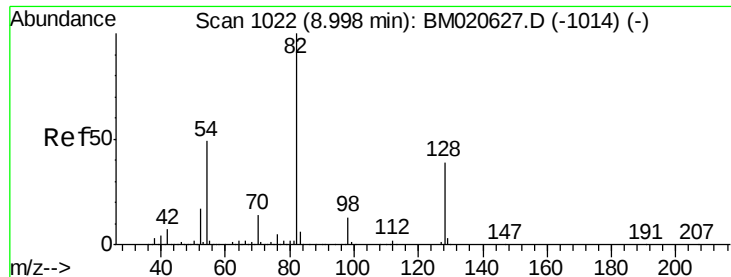
Abundance Ion 136.00 (135.70 to 136.70): BM020627.D (-1290) (-)

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) (-)

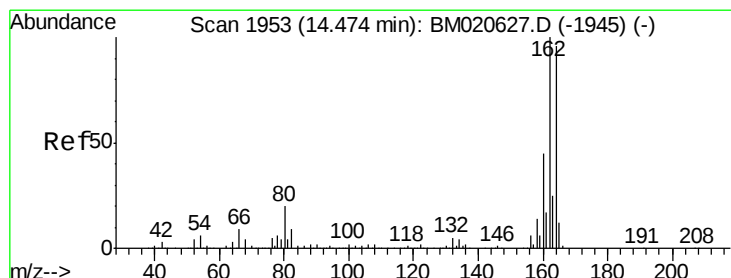
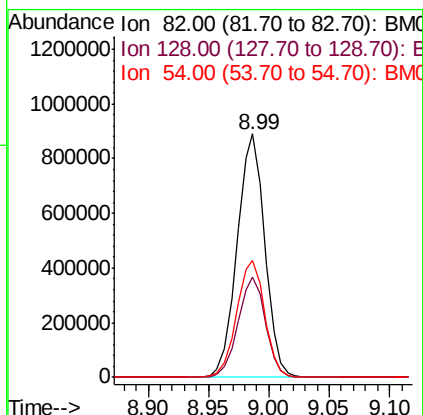
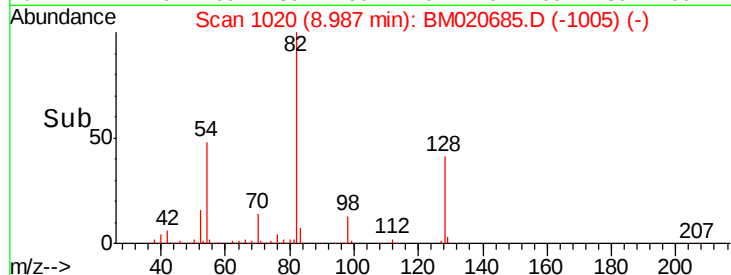
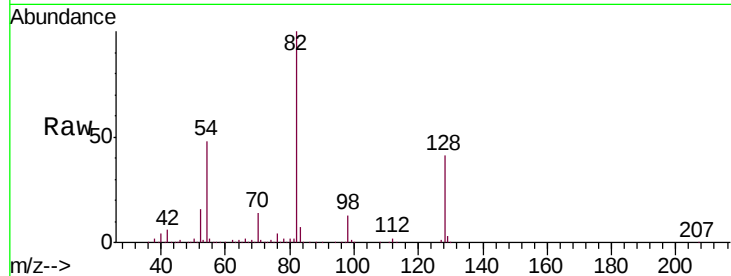




#23  
 Nitrobenzene-d5  
 Concen: 86.769 ng  
 RT: 8.99 min Scan# 1020  
 Delta R.T. -0.01 min  
 Lab File: BM020685.D  
 Acq: 03 Jun 2019 23:42

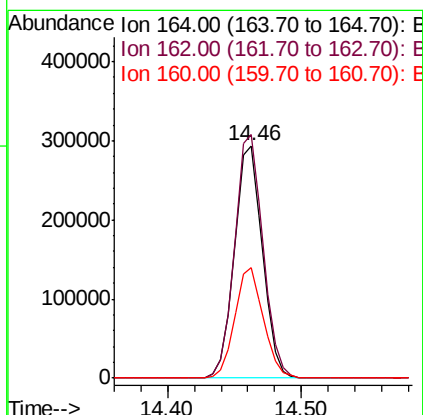
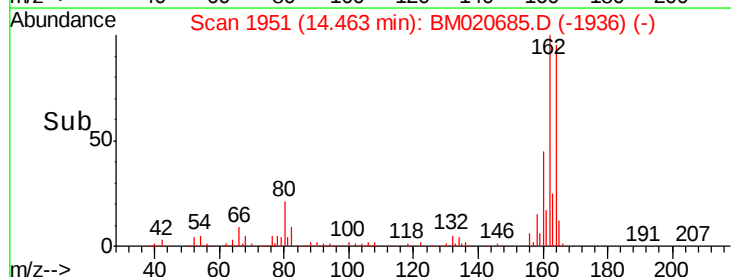
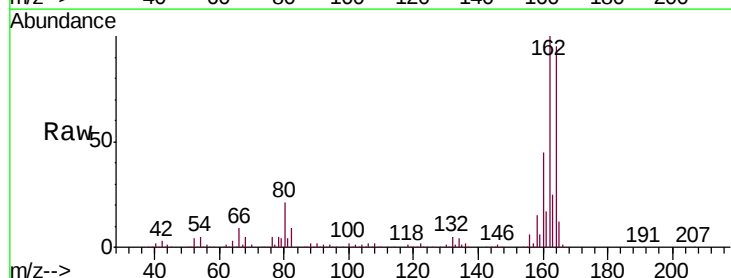
Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-10-COMP

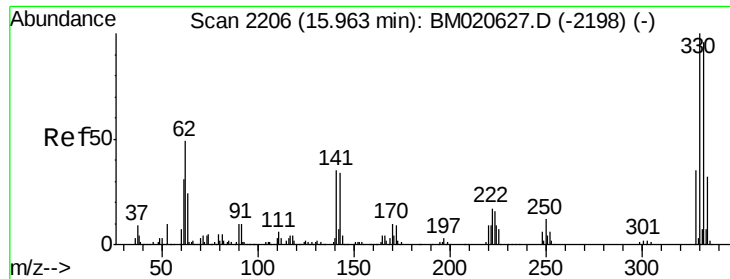
Tgt Ion: 82 Resp: 1424072  
 Ion Ratio Lower Upper  
 82 100  
 128 41.4 31.5 47.3  
 54 48.2 39.4 59.0



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.46 min Scan# 1951  
 Delta R.T. -0.01 min  
 Lab File: BM020685.D  
 Acq: 03 Jun 2019 23:42

Tgt Ion: 164 Resp: 429350  
 Ion Ratio Lower Upper  
 164 100  
 162 104.8 83.2 124.8  
 160 47.3 37.5 56.3

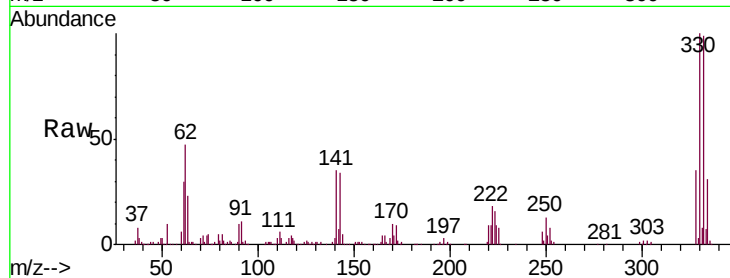




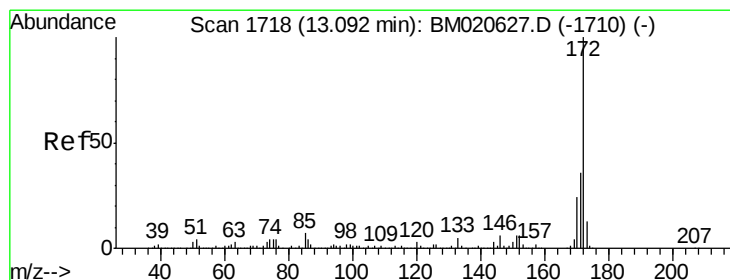
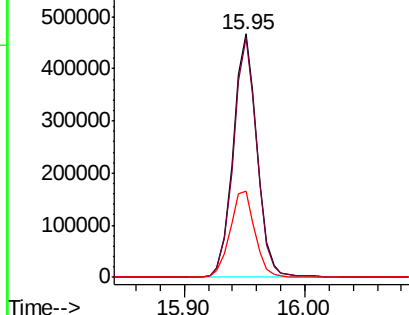
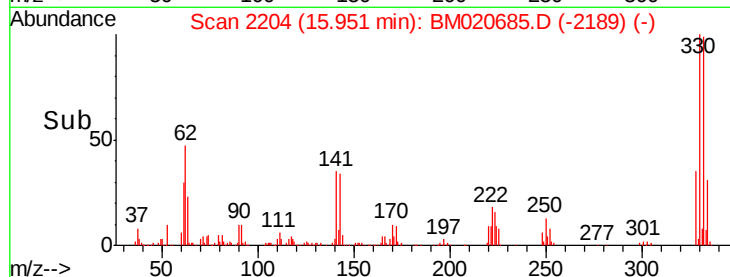
#42  
 2,4,6-Tribromophenol  
 Concen: 121.159 ng  
 RT: 15.95 min Scan# 2204  
 Delta R.T. -0.01 min  
 Lab File: BM020685.D  
 Acq: 03 Jun 2019 23:42

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-10-COMP

Tgt Ion:330 Resp: 644518  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.4 116.0  
 141 37.2 30.4 45.6

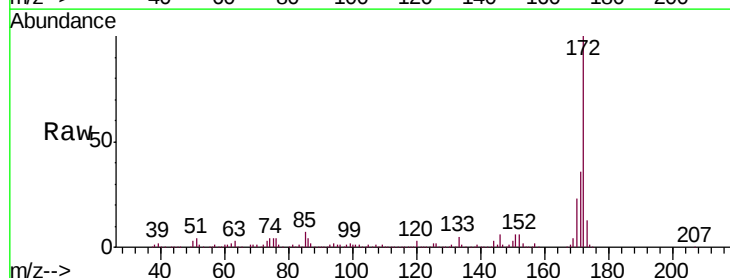


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

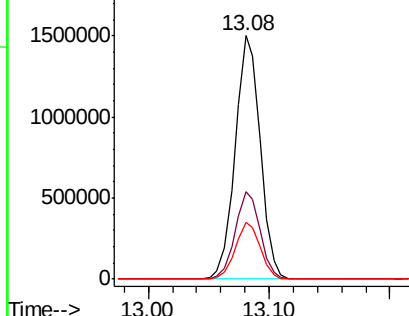
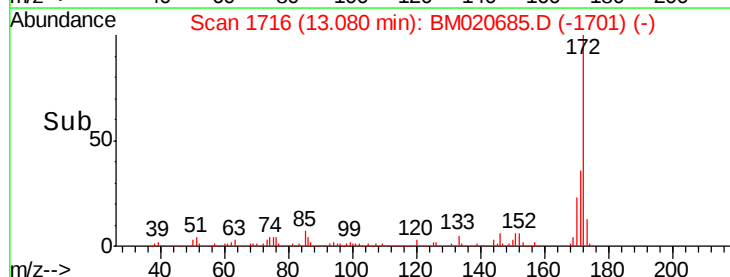


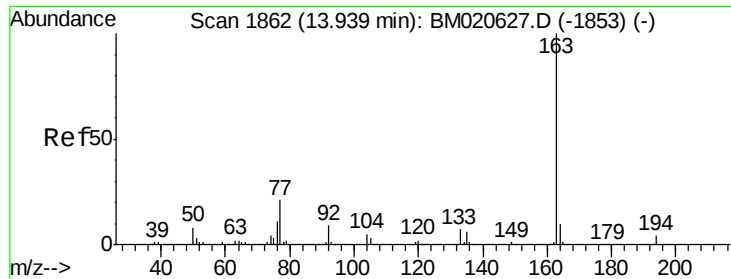
#45  
 2-Fluorobiphenyl  
 Concen: 66.951 ng  
 RT: 13.08 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BM020685.D  
 Acq: 03 Jun 2019 23:42

Tgt Ion:172 Resp: 2162189  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 43.0  
 170 23.1 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: 6.815 ng

RT: 13.92 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM020685.D

Acq: 03 Jun 2019 23:42

Instrument :

BNA\_M

ClientSampleId :

B-10-COMP

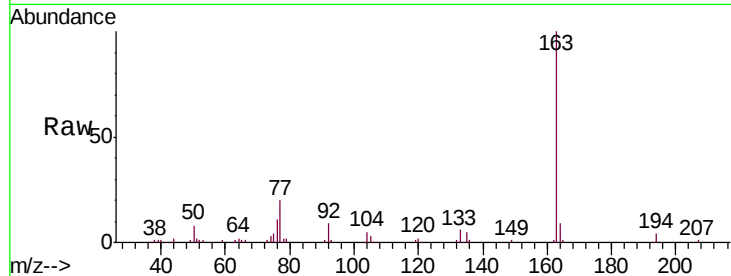
Tgt Ion:163 Resp: 249999

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

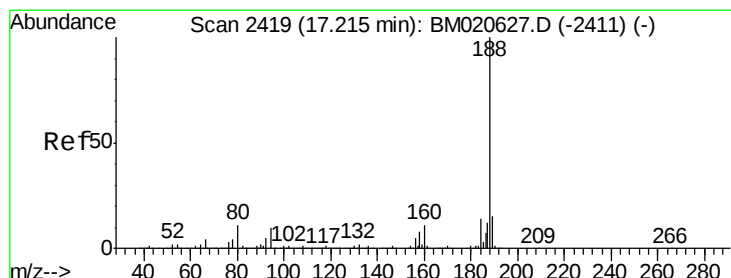
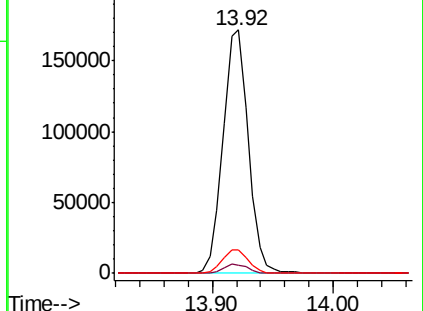
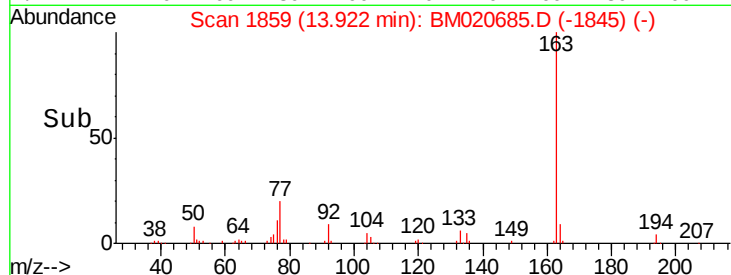
164 9.4 7.9 11.9



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: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM020685.D

Acq: 03 Jun 2019 23:42

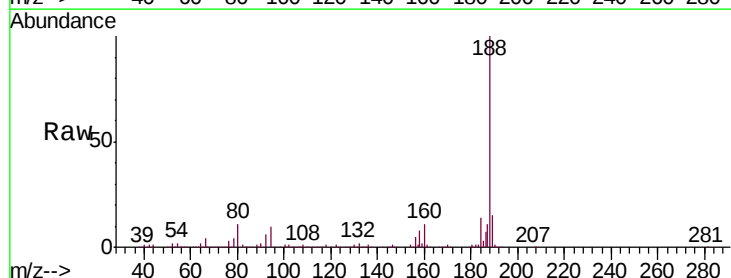
Tgt Ion:188 Resp: 881055

Ion Ratio Lower Upper

188 100

94 9.8 7.8 11.8

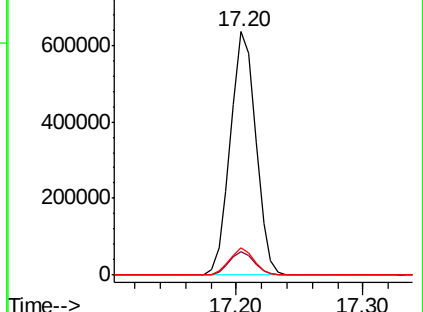
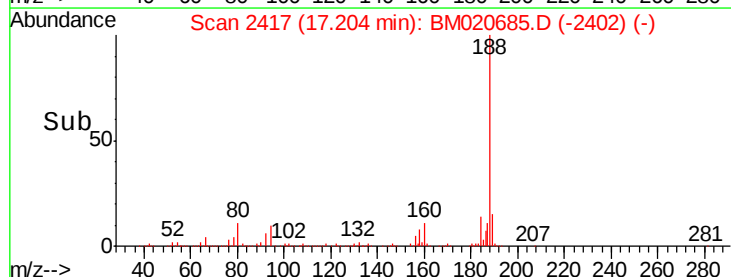
80 11.0 9.0 13.6

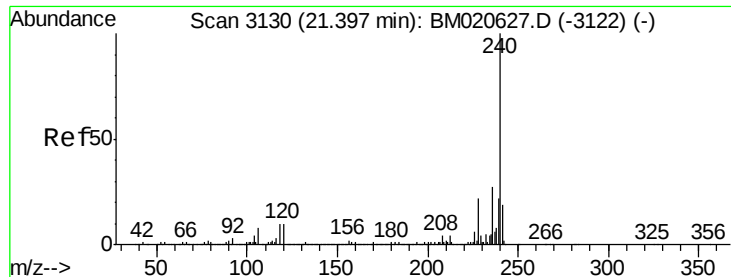


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

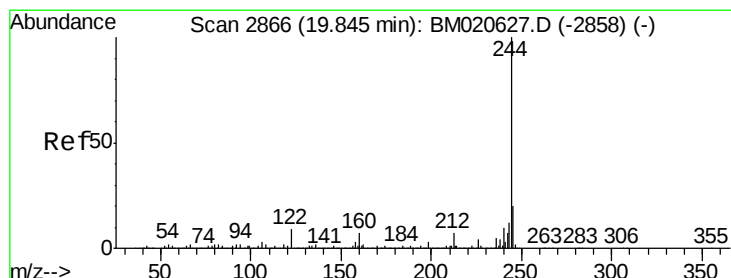
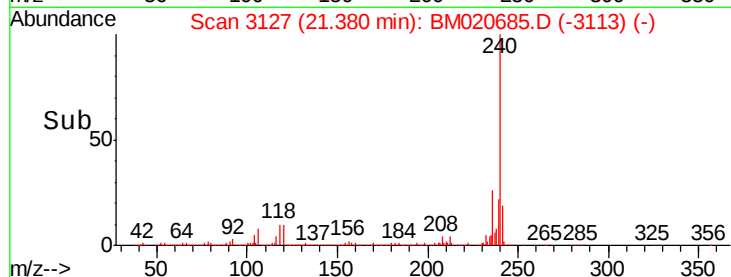
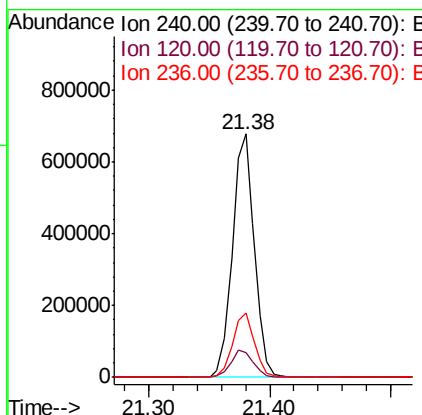
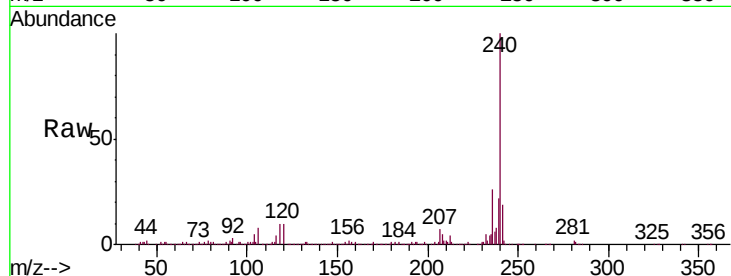




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.38 min Scan# 3127  
Delta R.T. -0.02 min  
Lab File: BM020685.D  
Acq: 03 Jun 2019 23:42

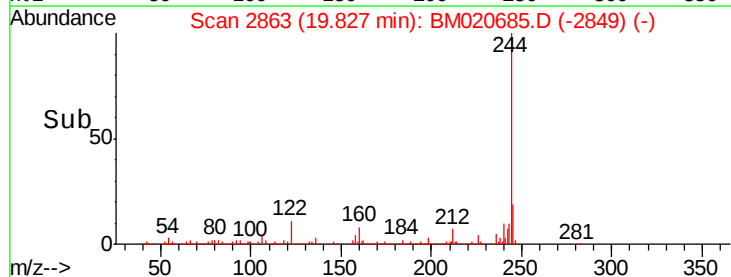
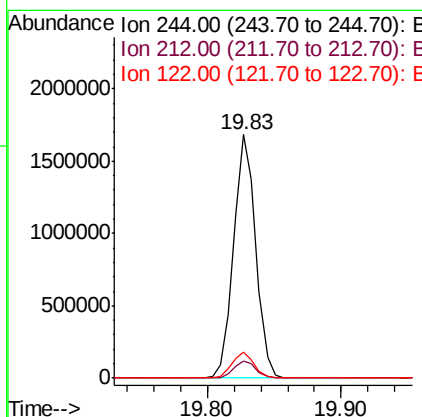
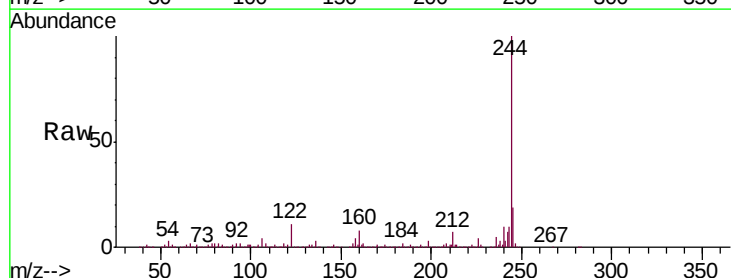
Instrument :  
BNA\_M  
ClientSampleId :  
B-10-COMP

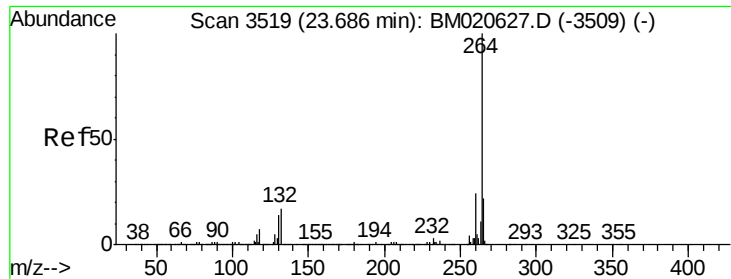
Tgt Ion:240 Resp: 851423  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.2 12.2  
236 26.2 21.2 31.8



#79  
Terphenyl-d14  
Concen: 38.176 ng  
RT: 19.83 min Scan# 2863  
Delta R.T. -0.02 min  
Lab File: BM020685.D  
Acq: 03 Jun 2019 23:42

Tgt Ion:244 Resp: 1943247  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.7 8.5  
122 10.8 7.2 10.8



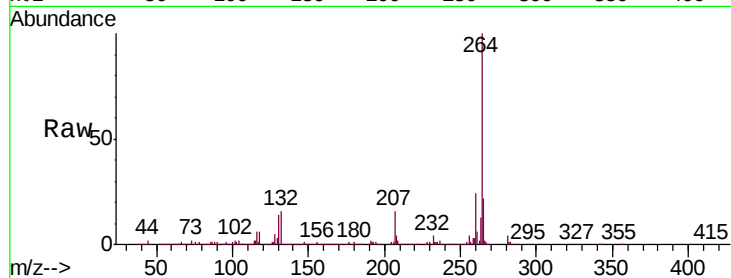


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.67 min Scan# 3516  
Delta R.T. -0.02 min  
Lab File: BM020685.D  
Acq: 03 Jun 2019 23:42

Instrument :  
BNA\_M  
ClientSampleId :  
B-10-COMP

Tgt Ion: 264 Resp: 1043808  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.2  | 28.8  |
| 265 | 21.6  | 17.6  | 26.4  |



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

