

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032019\  
 Data File : BM019271.D  
 Acq On : 20 Mar 2019 20:46  
 Operator : JU/SJ  
 Sample : K1987-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 20190146-COMPOSITE-E

Quant Time: Mar 21 17:15:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 21 17:06:23 2019  
 Response via : Initial Calibration

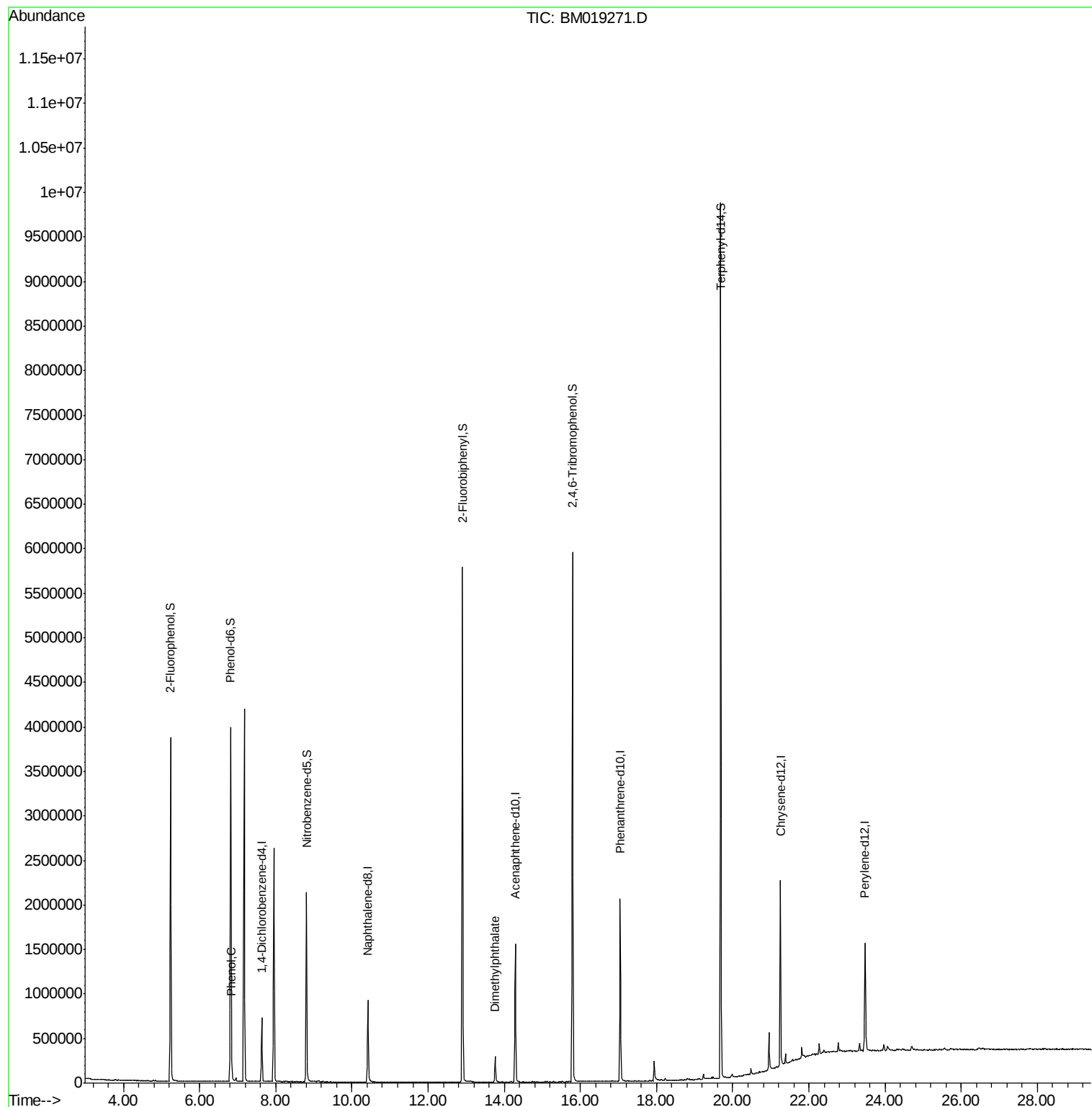
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 179809   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.42 | 136  | 770832   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.29 | 164  | 506730   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.04 | 188  | 1170226  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.25 | 240  | 966553   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.47 | 264  | 862880   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 1577012  | 142.04 | ng    | 0.00     |
| 7) Phenol-d6                | 6.82  | 99   | 2334731  | 143.76 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.80  | 82   | 1365889  | 83.76  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.79 | 330  | 1074767  | 143.65 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.90 | 172  | 2896201  | 74.34  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.69 | 244  | 4216738  | 86.61  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.85  | 94   | 41948    | 2.397  | ng    | 87       |
| 50) Dimethylphthalate       | 13.76 | 163  | 205230   | 4.734  | ng    | 99       |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



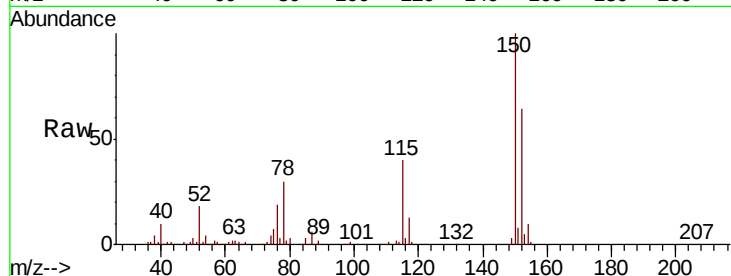


#1

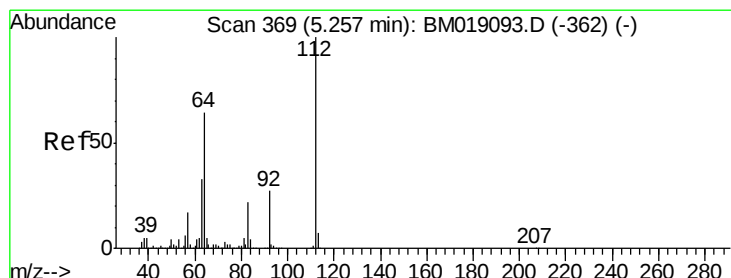
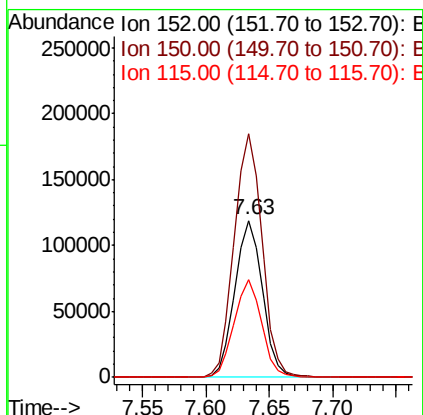
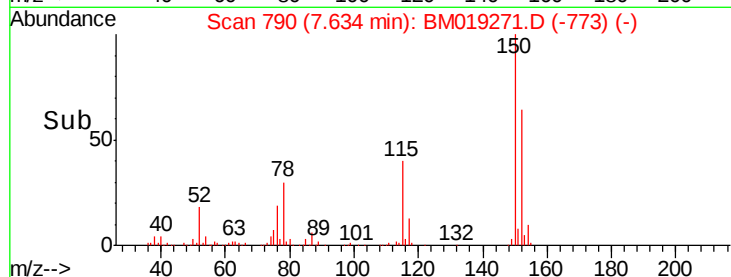
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.63 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

Instrument :  
BNA\_M  
ClientSampleId :  
20190146-COMPOSITE-E

Tot Ion:152 Resp: 179809  
Ion Ratio Lower Upper  
152 100  
150 155.4 123.8 185.6  
115 62.2 48.9 73.3



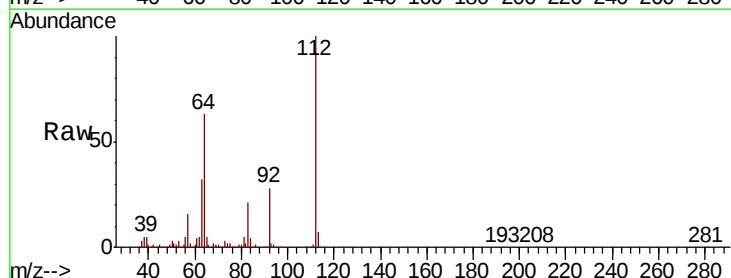
Abundance Ion 152.00 (151.70 to 152.70): E  
250000 Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



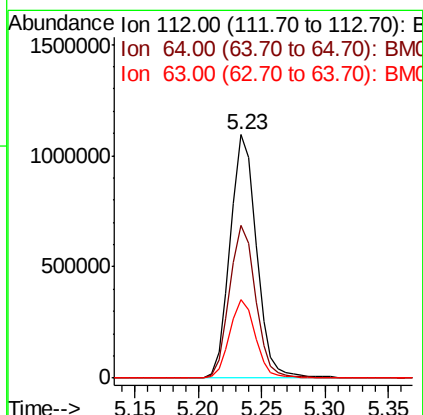
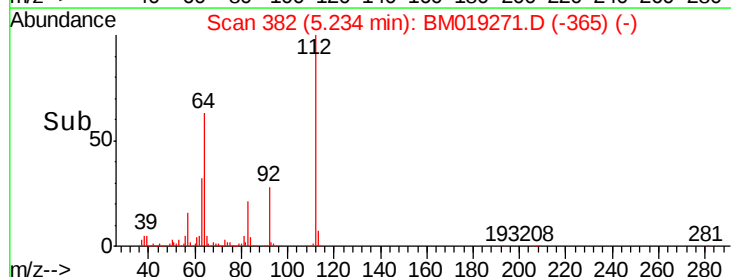
#5

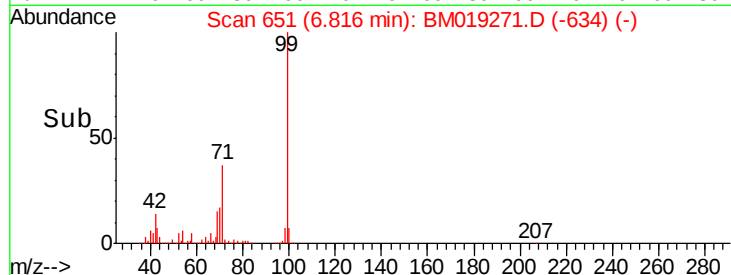
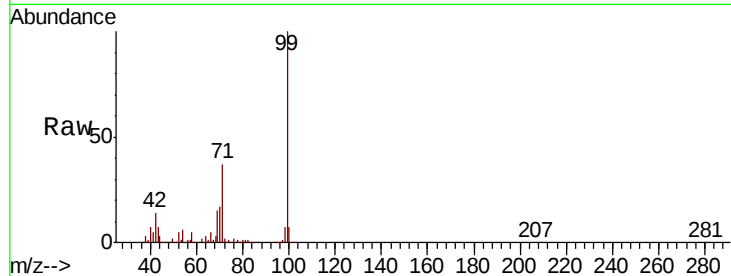
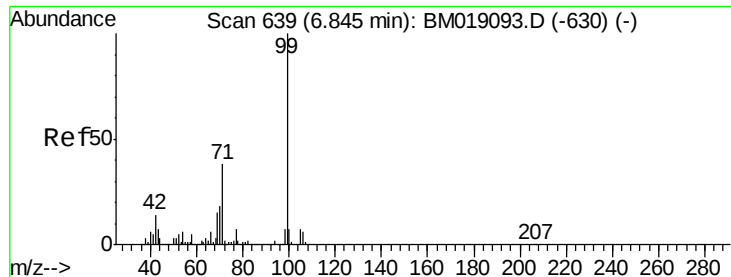
2-Fluorophenol  
Concen: 142.036 ng  
RT: 5.23 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

Tgt Ion:112 Resp: 1577012  
Ion Ratio Lower Upper  
112 100  
64 62.8 50.6 75.8  
63 32.2 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E  
1500000 Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 143.762 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM019271.D

Acq: 20 Mar 2019 20:46

Instrument :

BNA\_M

ClientSampleId :

20190146-COMPOSITE-E

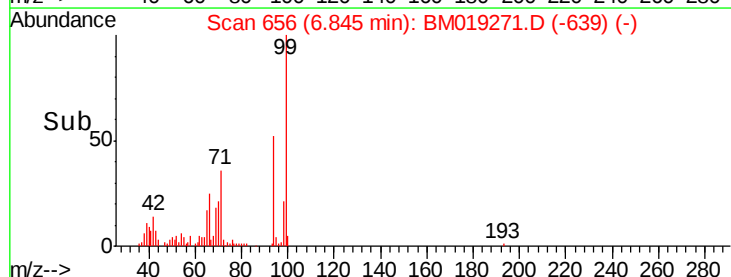
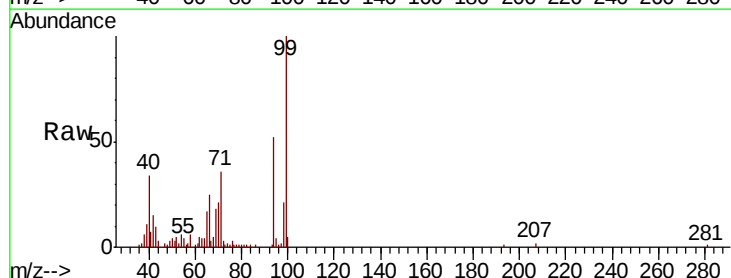
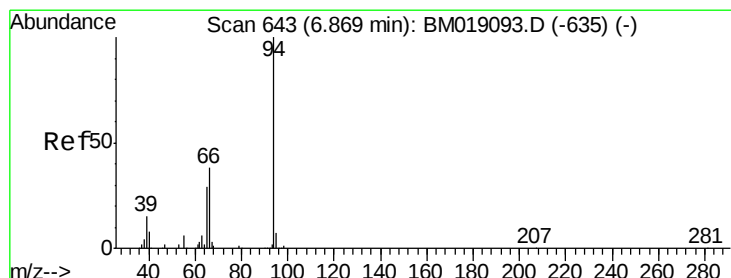
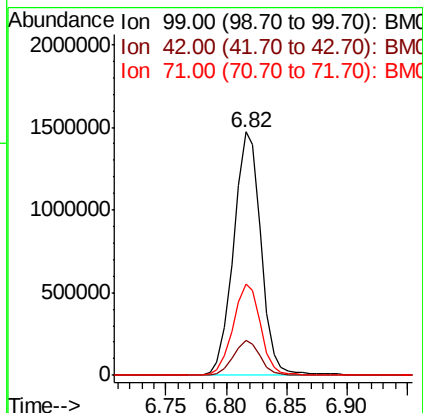
Tot Ion: 99 Resp: 2334731

Ion Ratio Lower Upper

99 100

42 14.3 11.0 16.6

71 37.3 30.1 45.1



#10

Phenol

Concen: 2.397 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM019271.D

Acq: 20 Mar 2019 20:46

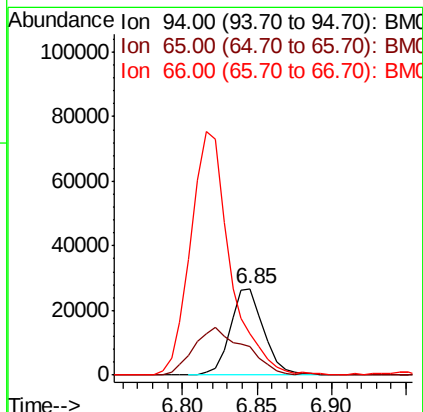
Tgt Ion: 94 Resp: 41948

Ion Ratio Lower Upper

94 100

65 33.3 9.2 49.2

66 48.2 17.7 57.7

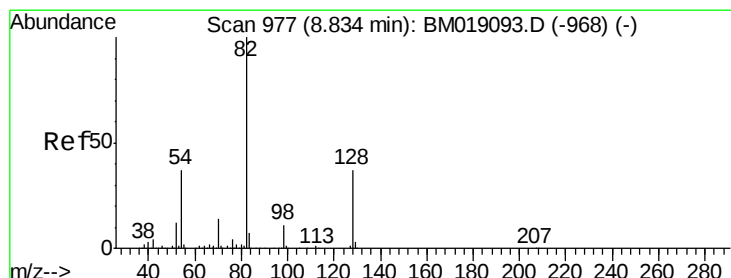
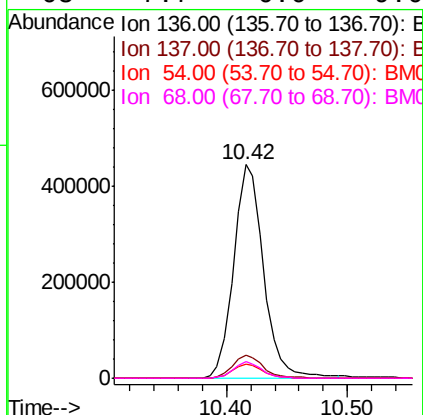
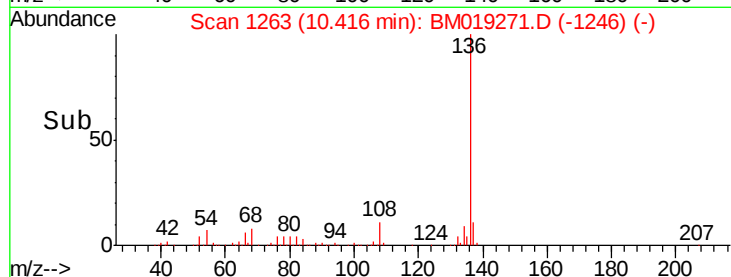
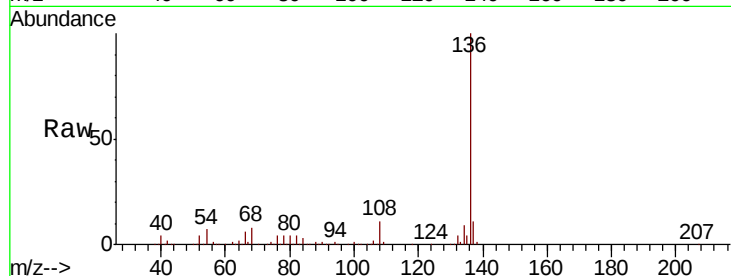




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.42 min Scan# 1263  
Delta R.T. 0.00 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

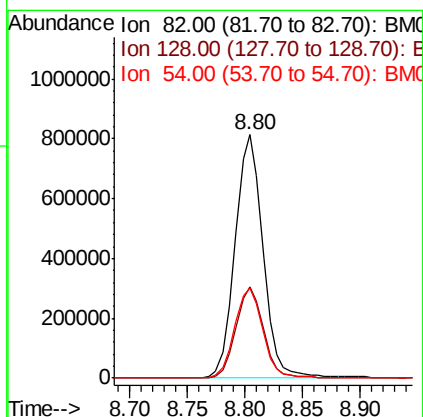
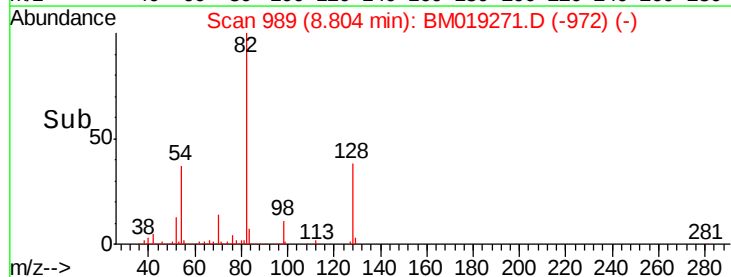
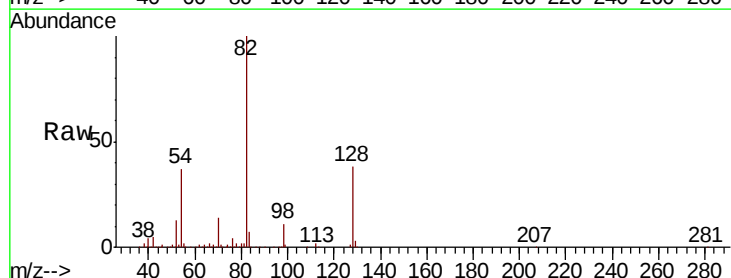
Instrument :  
BNA\_M  
ClientSampleId :  
20190146-COMPOSITE-E

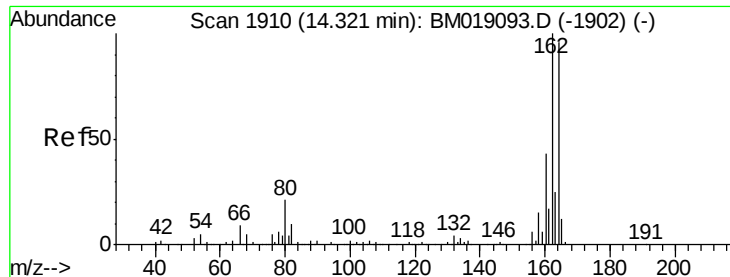
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 770832 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.0    | 8.6   | 12.8   |
| 54 6.6      | 5.5   | 8.3    |
| 68 7.7      | 6.0   | 9.0    |



#23  
Nitrobenzene-d5  
Concen: 83.761 ng  
RT: 8.80 min Scan# 989  
Delta R.T. 0.00 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

|             |       |               |       |
|-------------|-------|---------------|-------|
| Tgt Ion: 82 | Ratio | Resp: 1365889 |       |
| 82          | 100   | Lower         | Upper |
| 128         | 37.6  | 30.2          | 45.4  |
| 54          | 36.9  | 30.2          | 45.2  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BM019271.D

Acq: 20 Mar 2019 20:46

Instrument :

BNA\_M

ClientSampleId :

20190146-COMPOSITE-E

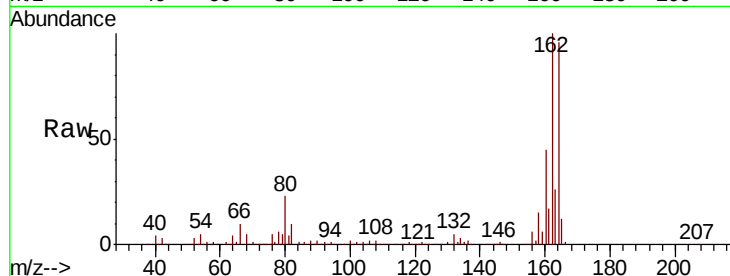
Tot Ion:164 Resp: 506730

Ion Ratio Lower Upper

164 100

162 104.4 84.1 126.1

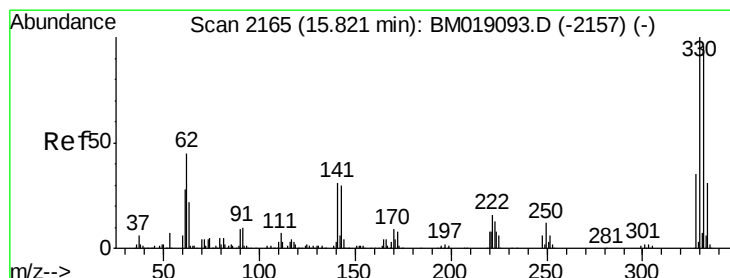
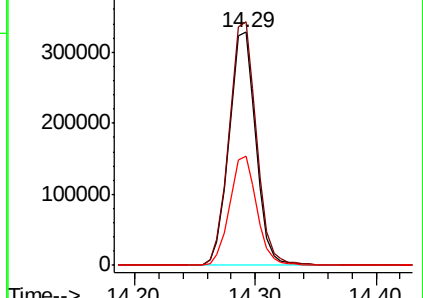
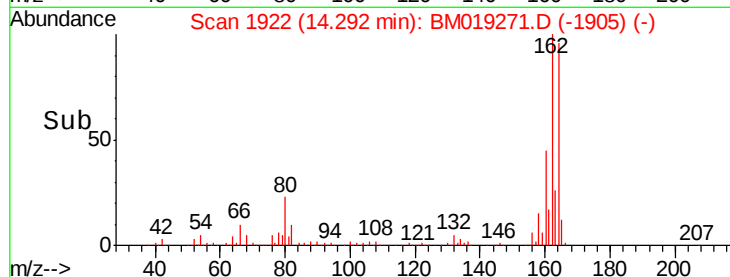
160 46.6 36.5 54.7



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: 143.653 ng

RT: 15.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BM019271.D

Acq: 20 Mar 2019 20:46

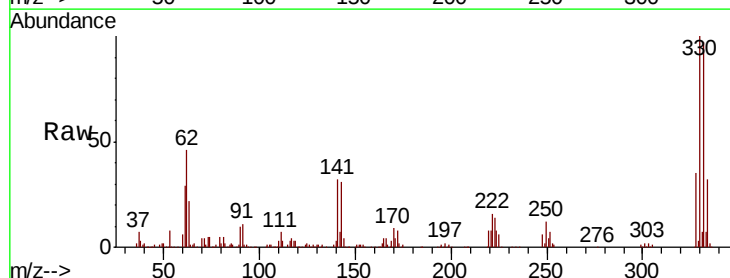
Tgt Ion:330 Resp: 1074767

Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

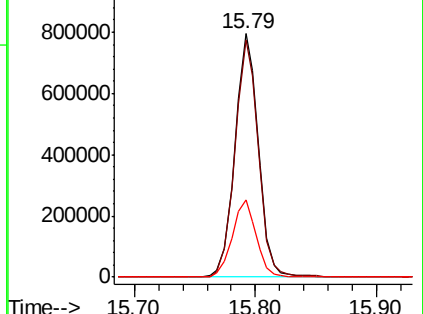
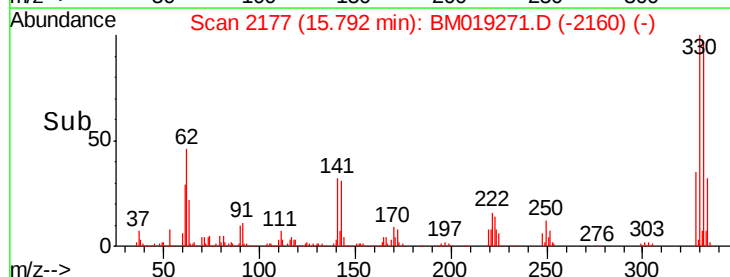
141 32.5 25.7 38.5



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

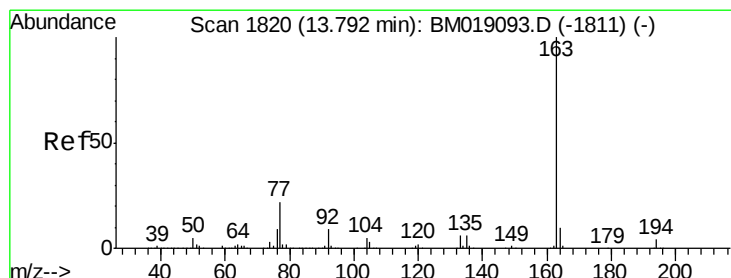
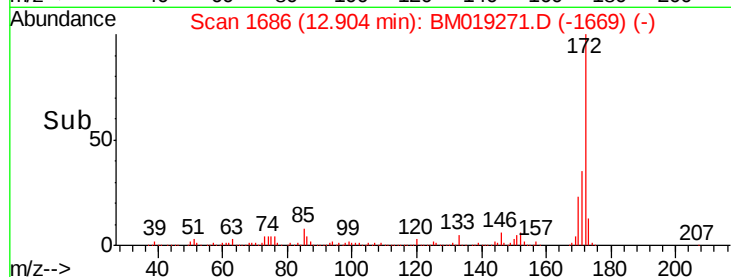
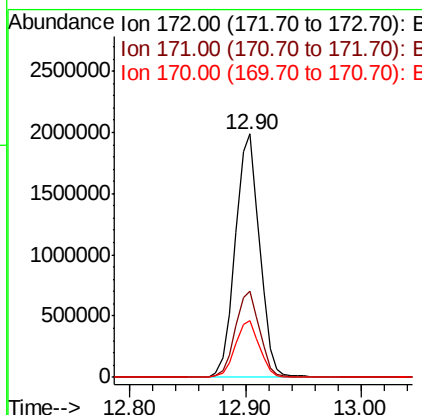
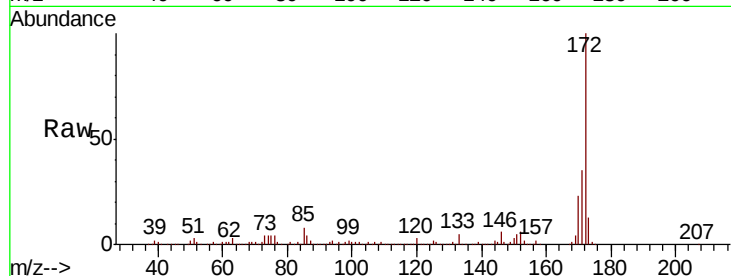




#45  
2-Fluorobiphenyl  
Concen: 74.345 ng  
RT: 12.90 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

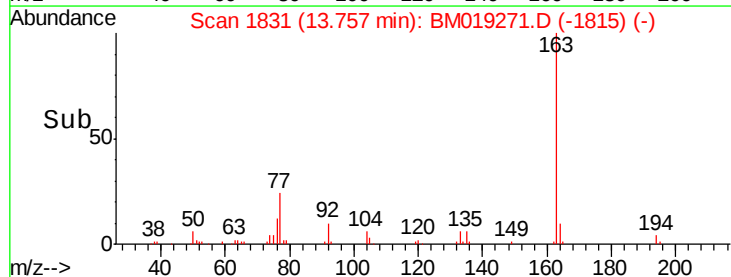
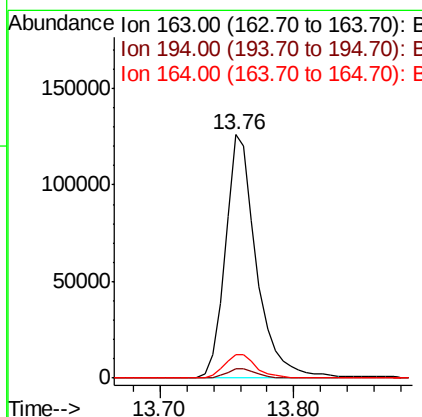
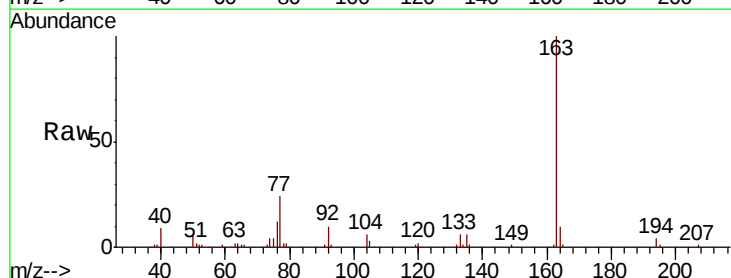
Instrument :  
BNA\_M  
ClientSampleId :  
20190146-COMPOSITE-E

Tot Ion:172 Resp: 2896201  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.0 43.4  
170 23.3 18.9 28.3



#50  
Dimethylphthalate  
Concen: 4.734 ng  
RT: 13.76 min Scan# 1831  
Delta R.T. -0.01 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

Tgt Ion:163 Resp: 205230  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.2 4.8  
164 9.7 8.2 12.2

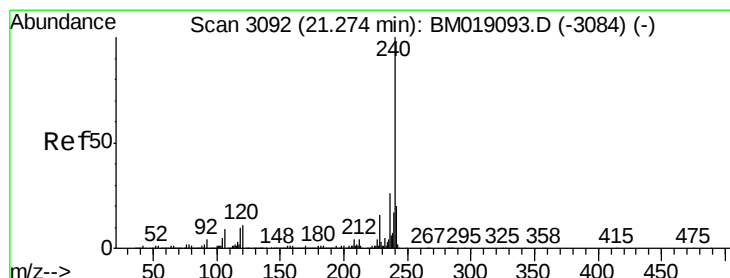
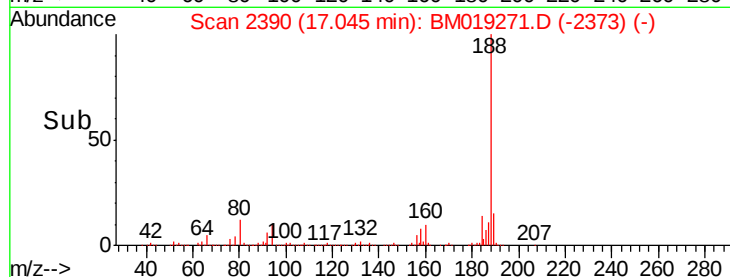
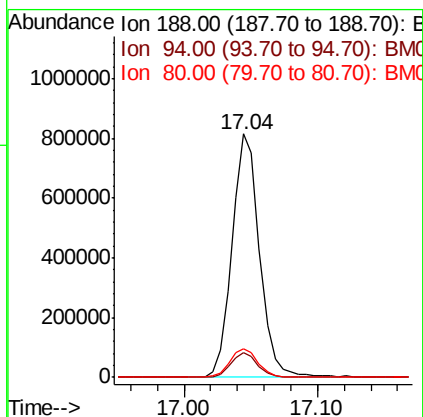
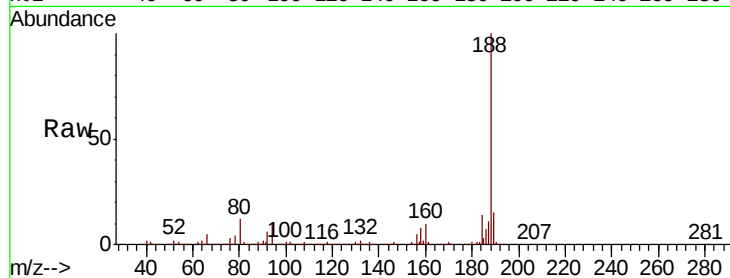




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.04 min Scan# 2390  
Delta R.T. 0.00 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

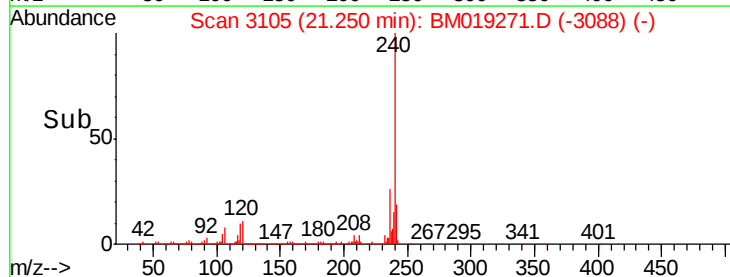
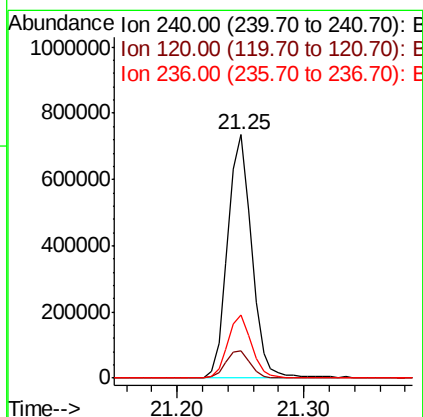
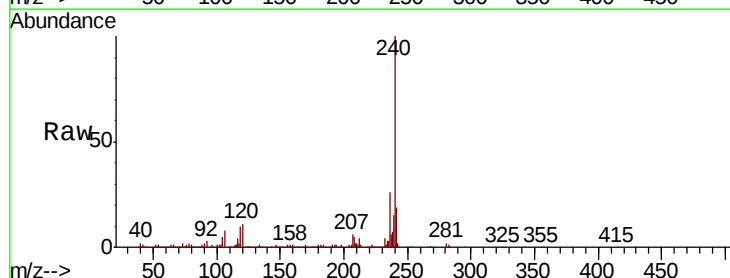
Instrument :  
BNA\_M  
ClientSampleId :  
20190146-COMPOSITE-E

Tot Ion:188 Resp: 1170226  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.7 13.1  
80 11.9 9.8 14.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.25 min Scan# 3105  
Delta R.T. 0.00 min  
Lab File: BM019271.D  
Acq: 20 Mar 2019 20:46

Tgt Ion:240 Resp: 966553  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.2 13.8  
236 25.7 20.3 30.5





#79

Terphenyl-d14

Concen: 86.608 ng

RT: 19.69 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BM019271.D

Acq: 20 Mar 2019 20:46

Instrument :

BNA\_M

ClientSampleId :

20190146-COMPOSITE-E

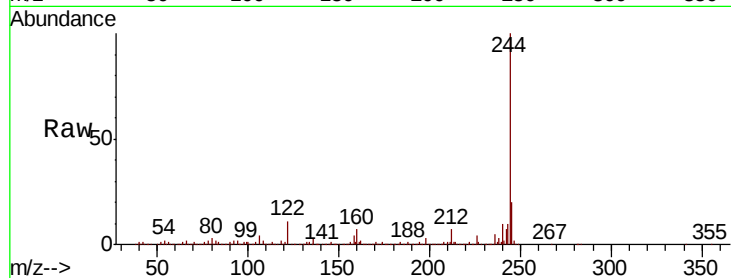
Tot Ion:244 Resp: 4216738

Ion Ratio Lower Upper

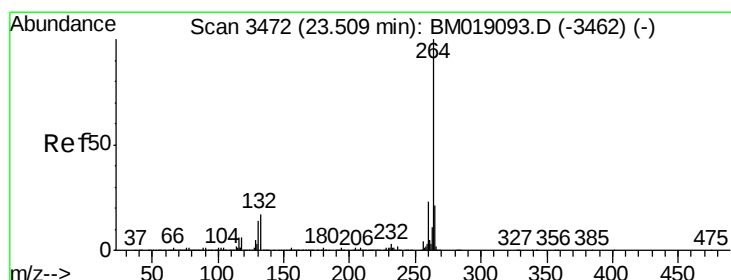
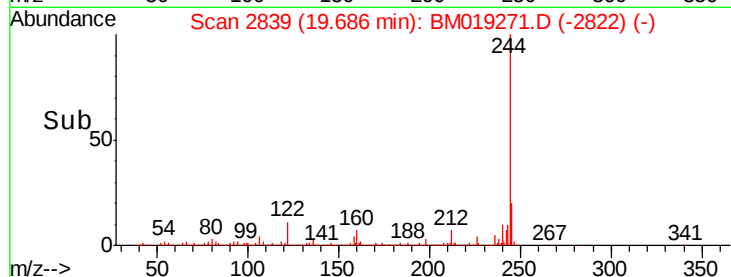
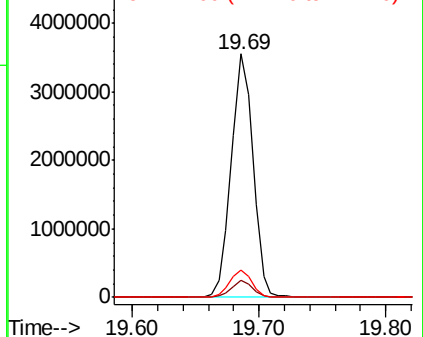
244 100

212 6.9 5.4 8.2

122 11.5 9.6 14.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.47 min Scan# 3483

Delta R.T. 0.00 min

Lab File: BM019271.D

Acq: 20 Mar 2019 20:46

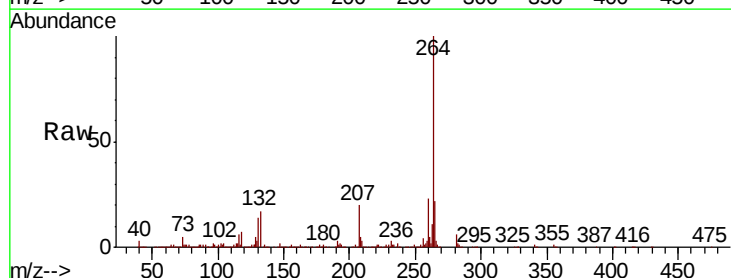
Tgt Ion:264 Resp: 862880

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.5 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

