

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM031519\  
 Data File : BM019191.D  
 Acq On : 15 Mar 2019 18:03  
 Operator : JU/SJ  
 Sample : K1908-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 93-94

Quant Time: Mar 16 01:35:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

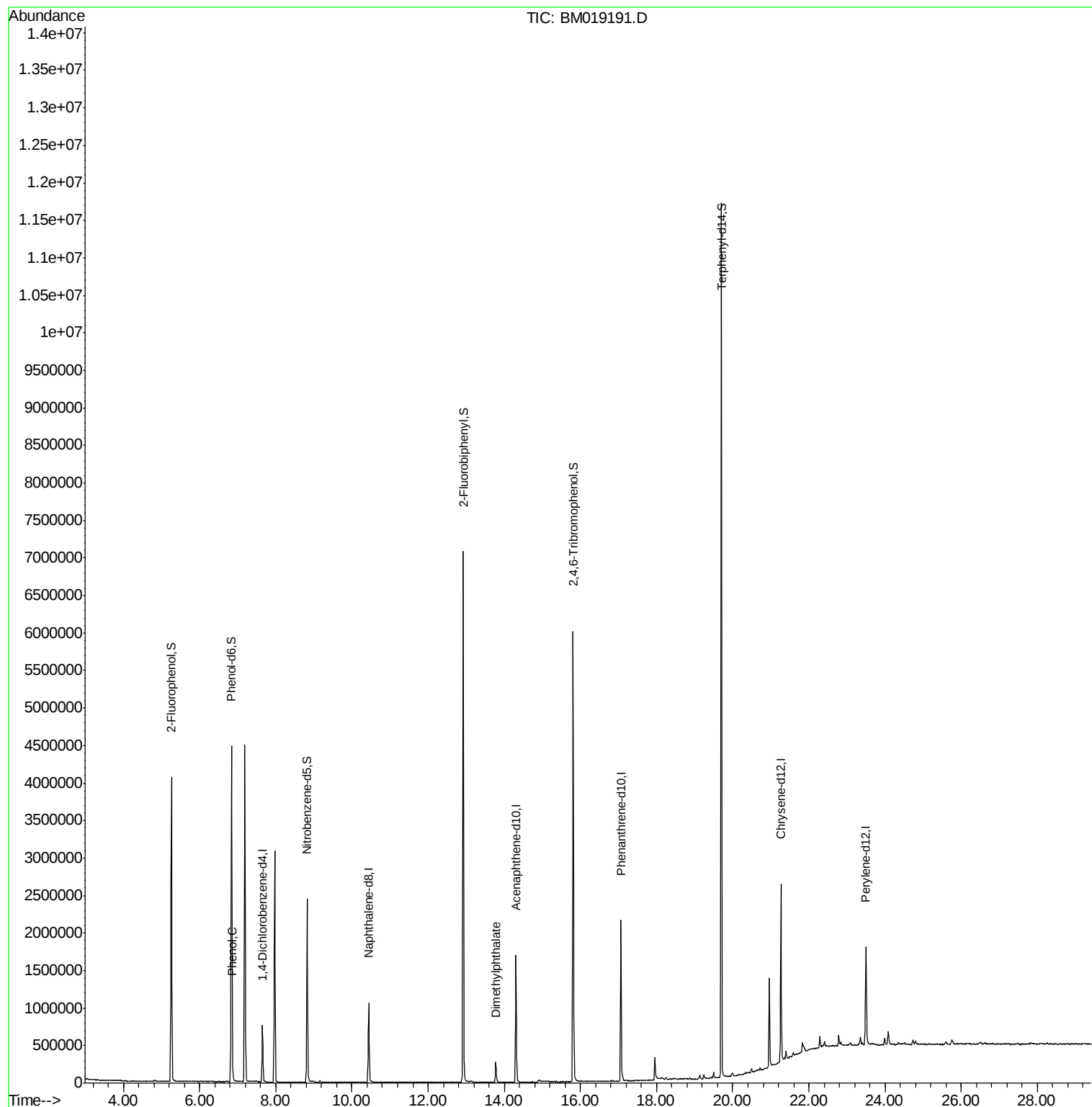
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 195415   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.44 | 136  | 875525   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.31 | 164  | 542889   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.06 | 188  | 1187376  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.26 | 240  | 1031422  | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 23.50 | 264  | 908769   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 1731643  | 143.51 | ng    | 0.00     |
| 7) Phenol-d6                | 6.84  | 99   | 2606921  | 147.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 1604577  | 86.63  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.81 | 330  | 1124832  | 140.33 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 3469425  | 83.13  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.70 | 244  | 5088094  | 97.93  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.86  | 94   | 41402    | 2.177  | ng    | 81       |
| 50) Dimethylphthalate       | 13.78 | 163  | 193130   | 4.159  | ng    | 99       |

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

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BNA\_M  
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93-94

Quant Time: Mar 16 01:35:19 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM031119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 11 17:30:46 2019  
Response via : Initial Calibration



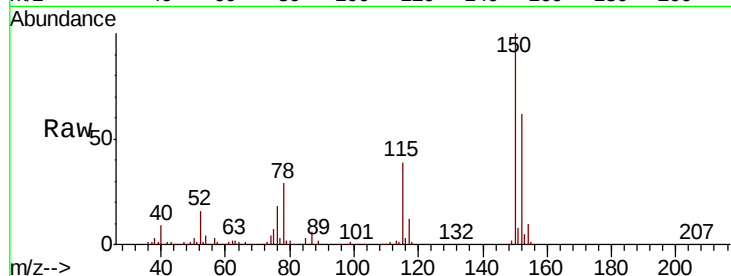


#1

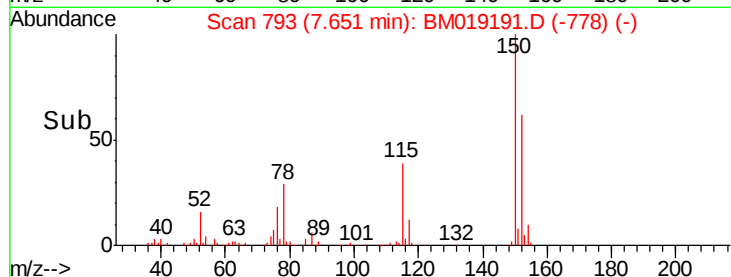
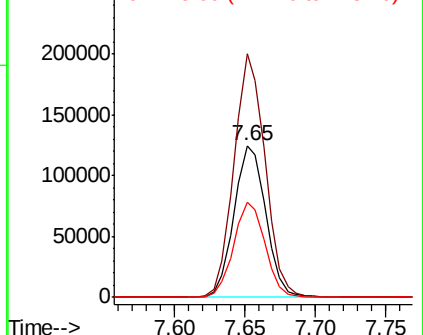
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

Instrument :  
BNA\_M  
ClientSampleId :  
93-94

Tgt Ion:152 Resp: 195415  
Ion Ratio Lower Upper  
152 100  
150 160.4 125.3 187.9  
115 62.8 49.4 74.0



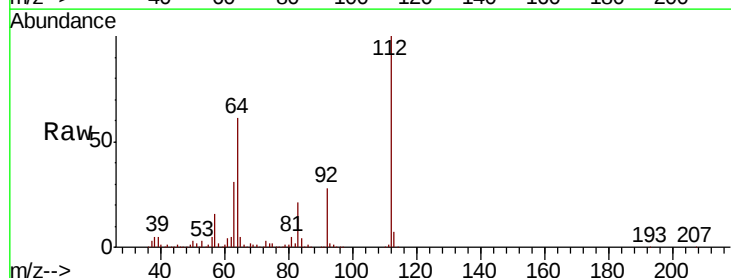
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



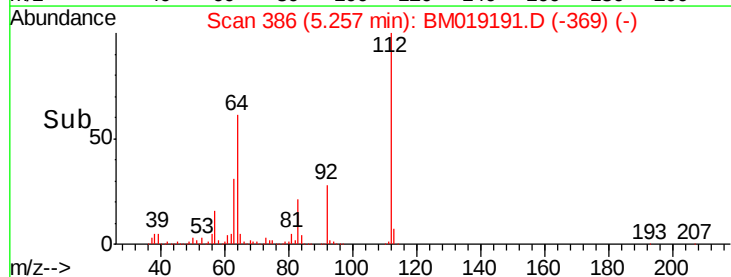
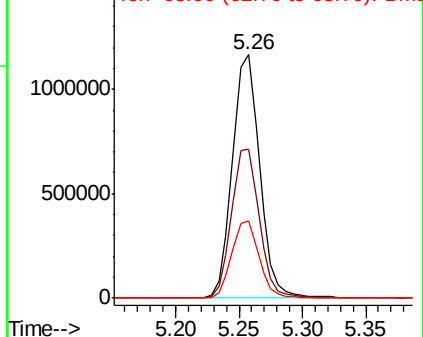
#5

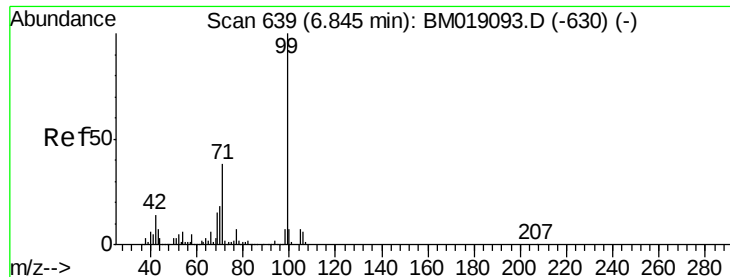
2-Fluorophenol  
Concen: 143.508 ng  
RT: 5.26 min Scan# 386  
Delta R.T. 0.00 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

Tgt Ion:112 Resp: 1731643  
Ion Ratio Lower Upper  
112 100  
64 61.4 51.4 77.0  
63 31.5 26.6 40.0



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: 147.702 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM019191.D

Acq: 15 Mar 2019 18:03

Instrument :

BNA\_M

ClientSampleId :

93-94

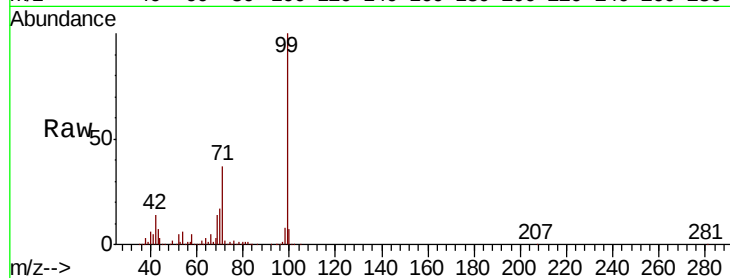
Tgt Ion: 99 Resp: 2606921

Ion Ratio Lower Upper

99 100

42 13.6 10.9 16.3

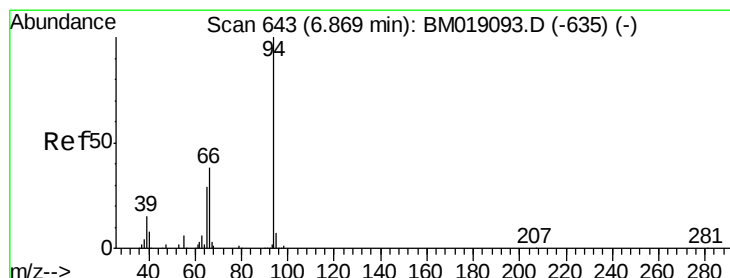
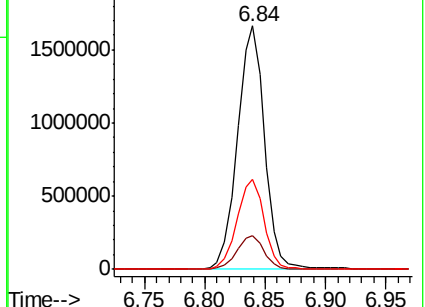
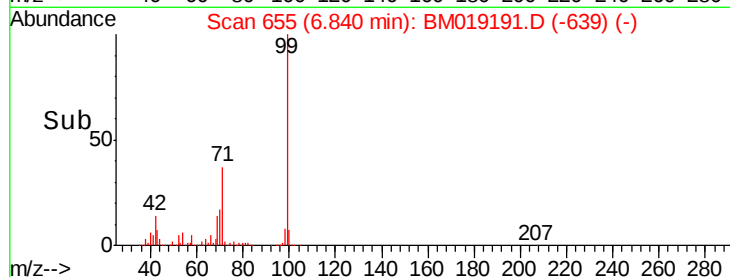
71 37.1 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019191.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM019191.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM019191.D (-639) (-)



#10

Phenol

Concen: 2.177 ng

RT: 6.86 min Scan# 659

Delta R.T. -0.01 min

Lab File: BM019191.D

Acq: 15 Mar 2019 18:03

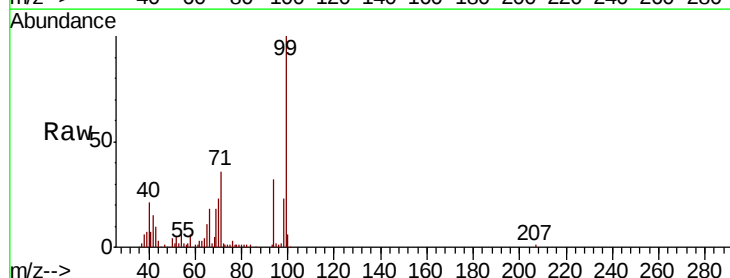
Tgt Ion: 94 Resp: 41402

Ion Ratio Lower Upper

94 100

65 33.9 9.7 49.7

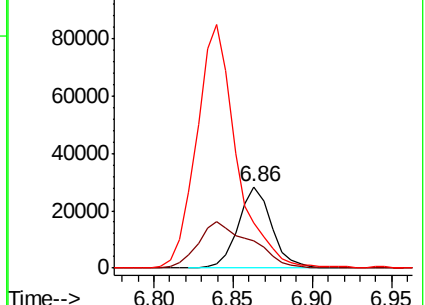
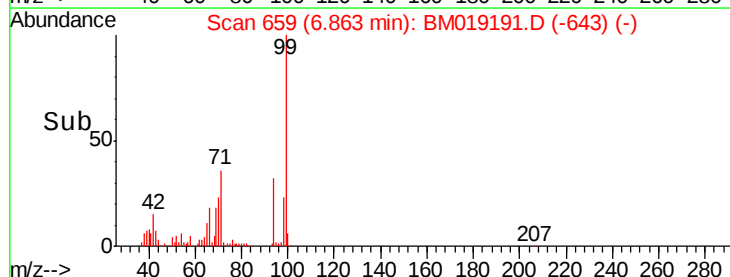
66 55.8 19.2 59.2

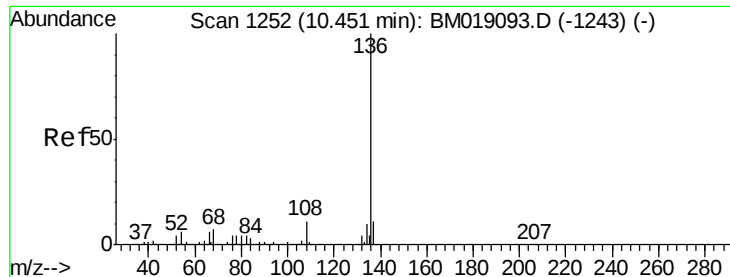


Abundance Ion 94.00 (93.70 to 94.70): BM019191.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM019191.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM019191.D (-643) (-)

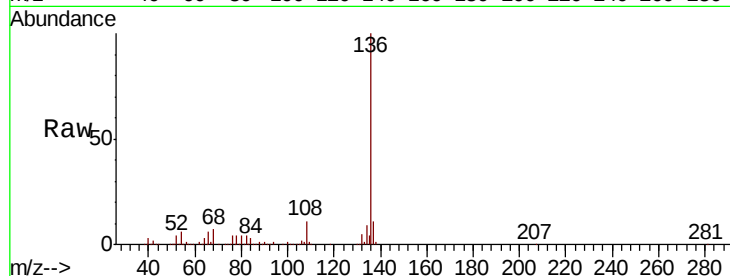




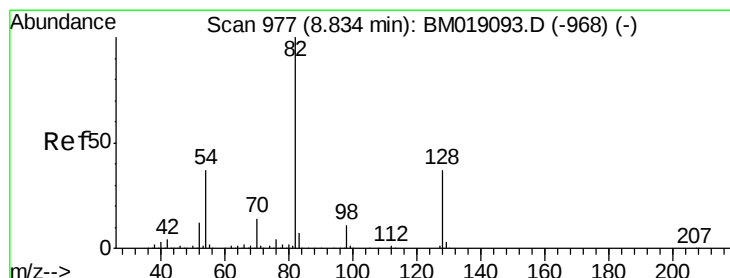
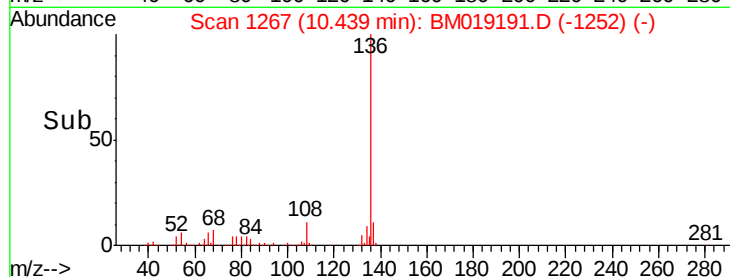
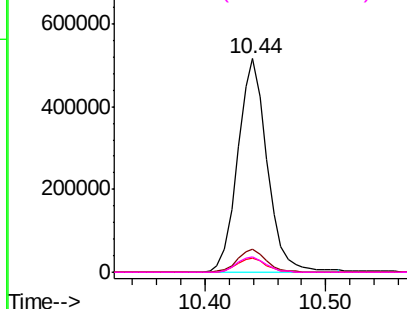
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.44 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

Instrument :  
BNA\_M  
ClientSampleId :  
93-94

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 875525 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 13.0   |
| 54       | 6.4   | 5.2   | 7.8    |
| 68       | 7.1   | 5.8   | 8.8    |

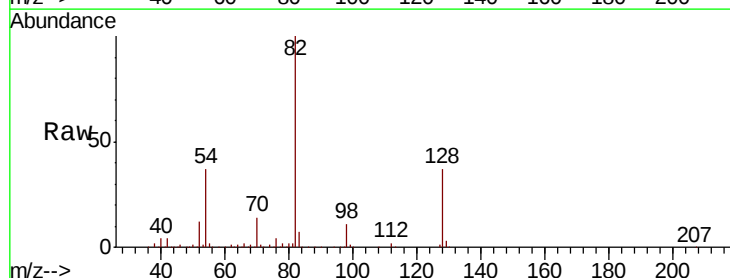


Abundance Ion 136.00 (135.70 to 136.70): E  
800000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

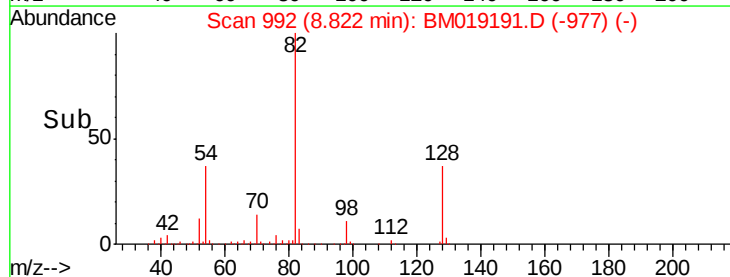
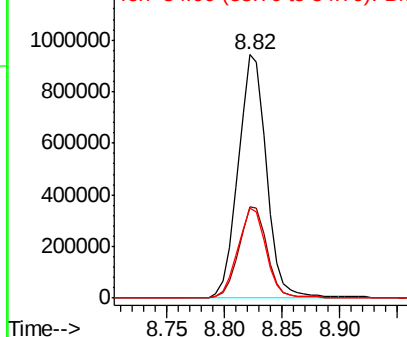


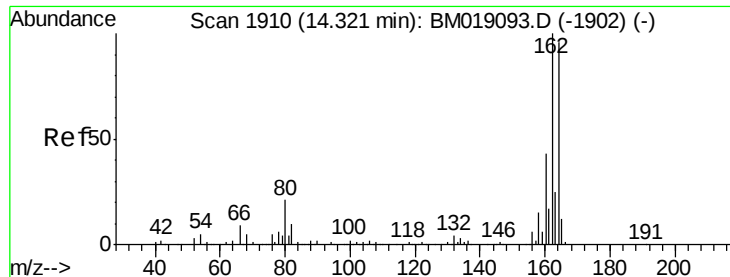
#23  
Nitrobenzene-d5  
Concen: 86.632 ng  
RT: 8.82 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1604577 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 37.3  | 29.4  | 44.2    |
| 54       | 36.8  | 29.9  | 44.9    |



Abundance Ion 82.00 (81.70 to 82.70): BM  
1200000  
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: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM019191.D

Acq: 15 Mar 2019 18:03

Instrument :

BNA\_M

ClientSampleId :

93-94

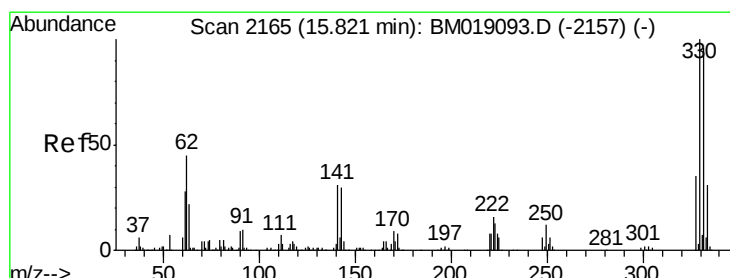
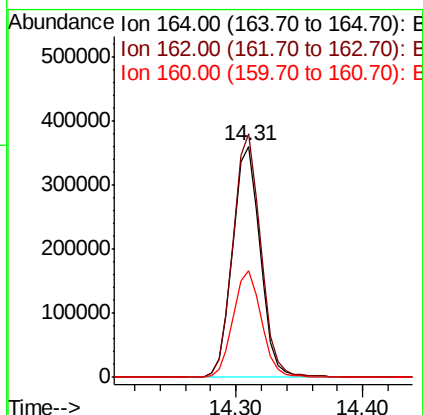
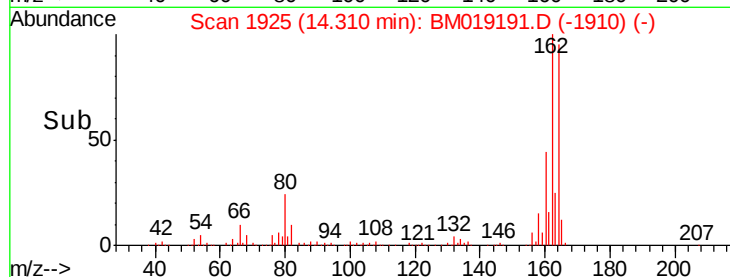
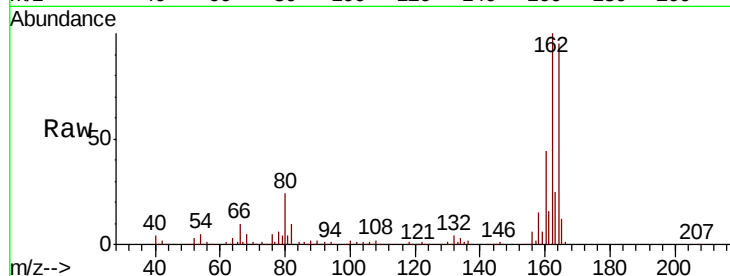
Tgt Ion:164 Resp: 542889

Ion Ratio Lower Upper

164 100

162 105.4 83.5 125.3

160 46.3 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 140.331 ng

RT: 15.81 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BM019191.D

Acq: 15 Mar 2019 18:03

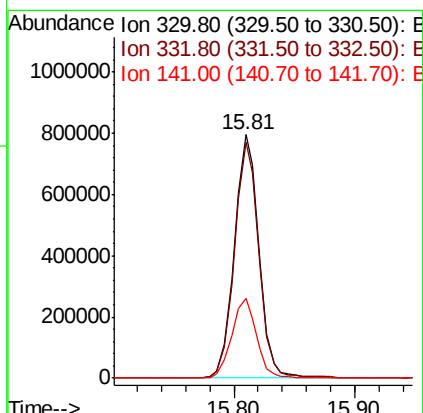
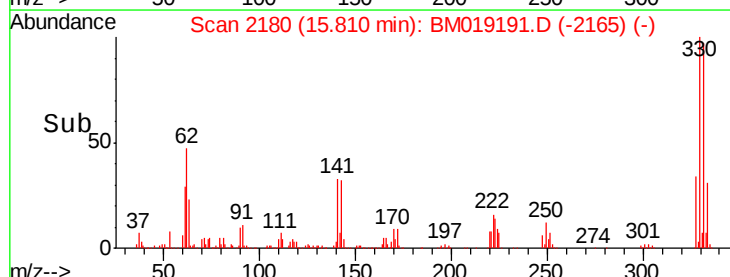
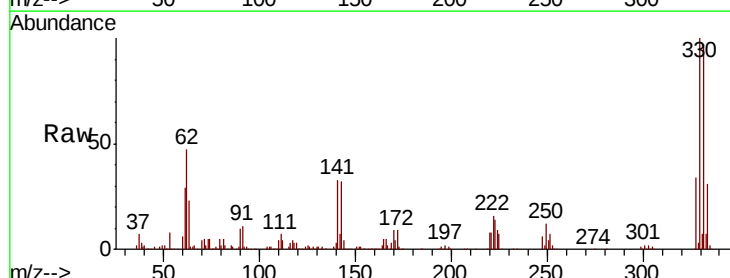
Tgt Ion:330 Resp: 1124832

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 32.9 27.0 40.4

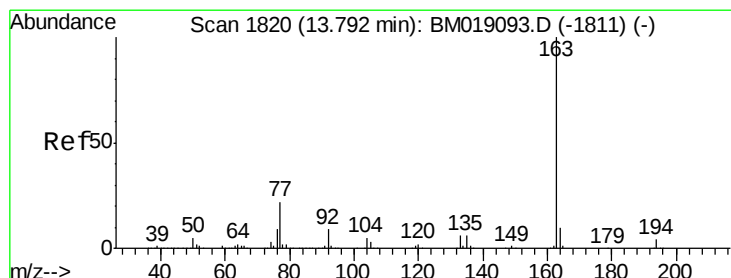
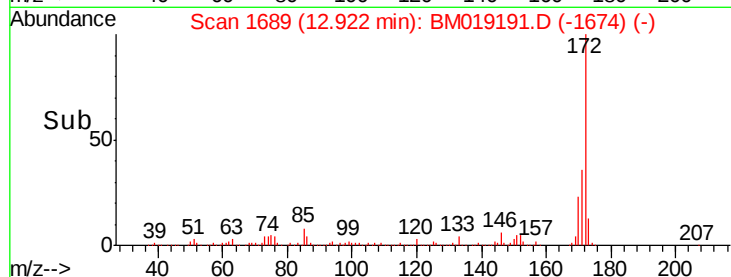
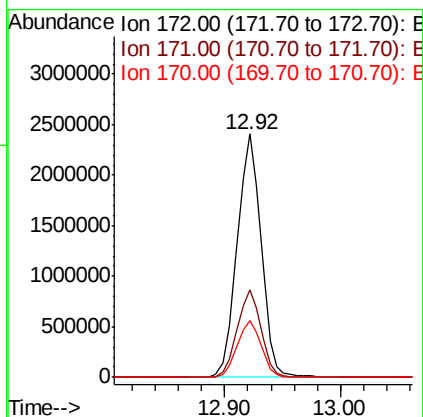
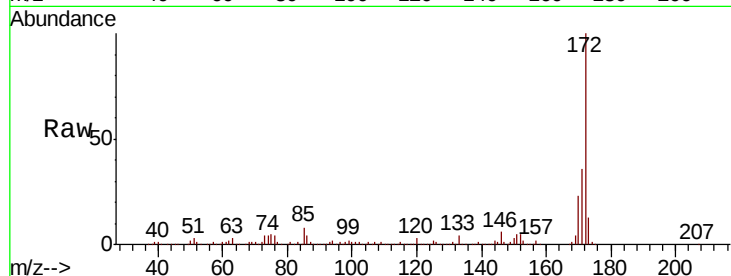




#45  
2-Fluorobiphenyl  
Concen: 83.127 ng  
RT: 12.92 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

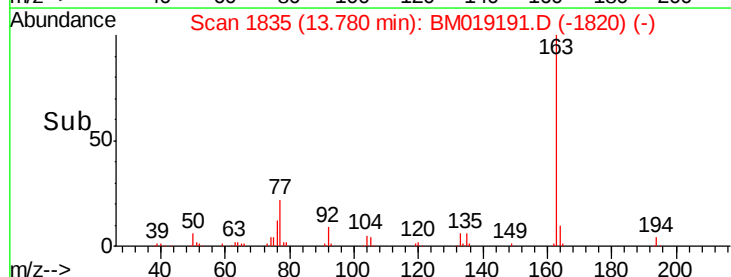
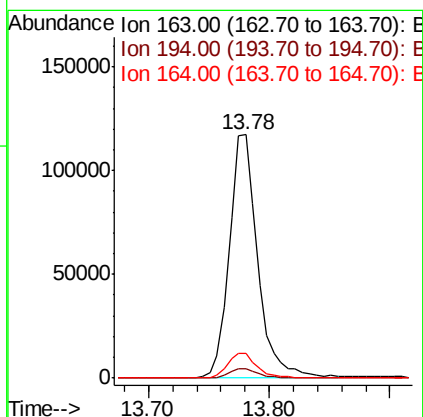
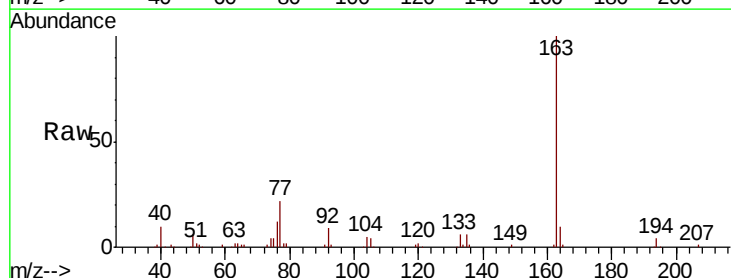
Instrument :  
BNA\_M  
ClientSampleId :  
93-94

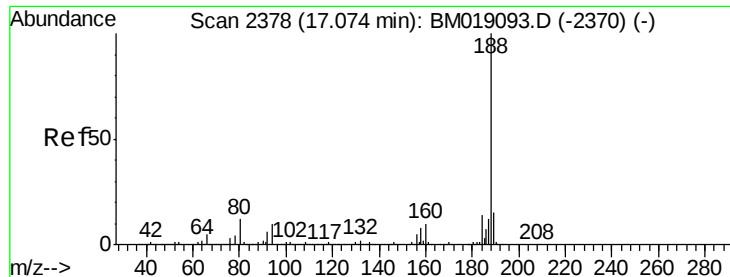
Tgt Ion:172 Resp: 3469425  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.6 42.8  
170 23.4 18.6 28.0



#50  
Dimethylphthalate  
Concen: 4.159 ng  
RT: 13.78 min Scan# 1835  
Delta R.T. -0.01 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

Tgt Ion:163 Resp: 193130  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 10.0 7.7 11.5

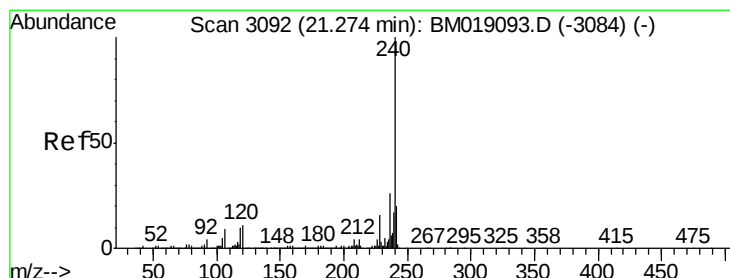
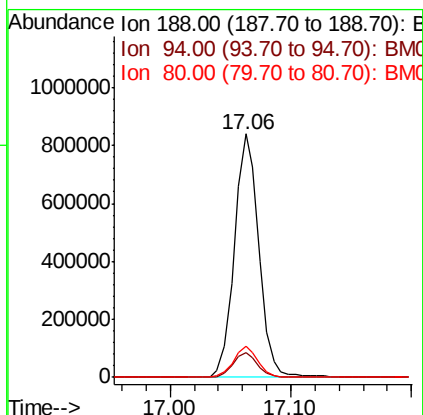
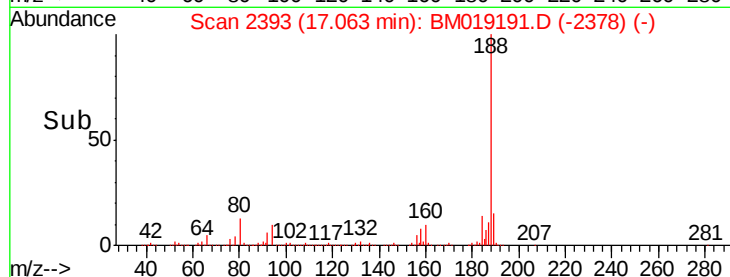
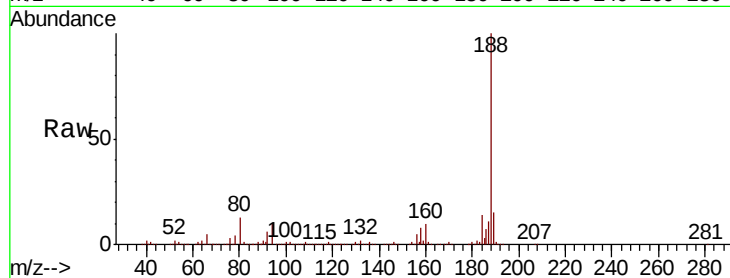




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.06 min Scan# 2393  
Delta R.T. -0.01 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

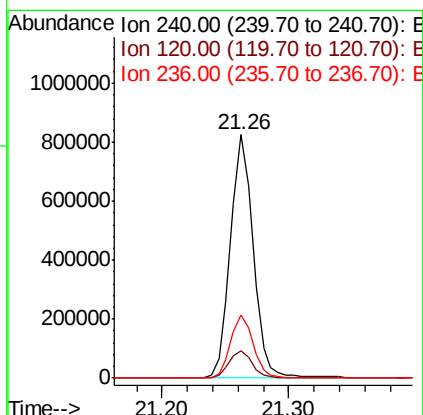
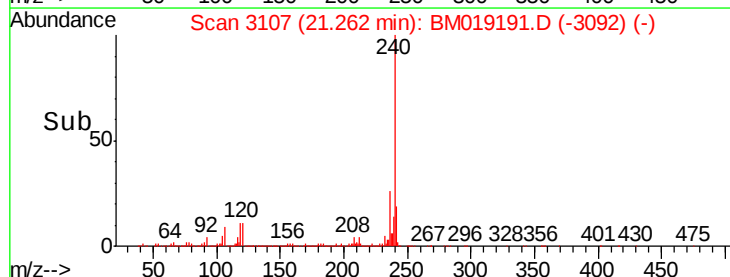
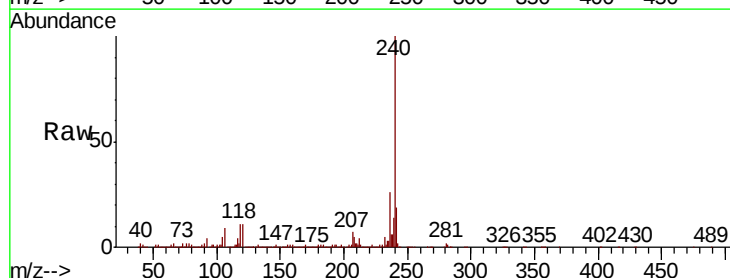
Instrument :  
BNA\_M  
ClientSampled :  
93-94

Tgt Ion:188 Resp: 1187376  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.1 12.1  
80 12.7 9.7 14.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.26 min Scan# 3107  
Delta R.T. -0.01 min  
Lab File: BM019191.D  
Acq: 15 Mar 2019 18:03

Tgt Ion:240 Resp: 1031422  
Ion Ratio Lower Upper  
240 100  
120 11.3 8.9 13.3  
236 25.9 21.0 31.4





#79

Terphenyl-d14

Concen: 97.933 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BM019191.D

Acq: 15 Mar 2019 18:03

Instrument :

BNA\_M

ClientSampled :

93-94

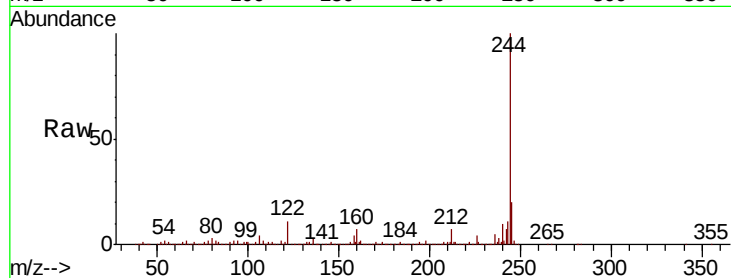
Tgt Ion:244 Resp: 5088094

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

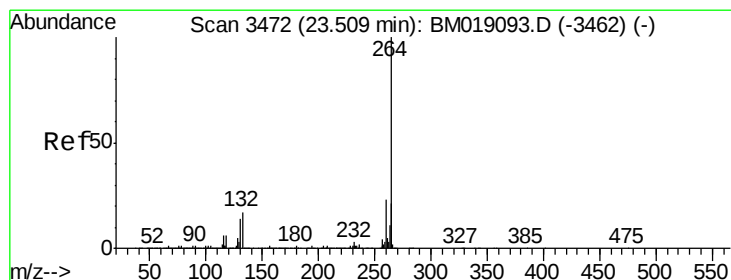
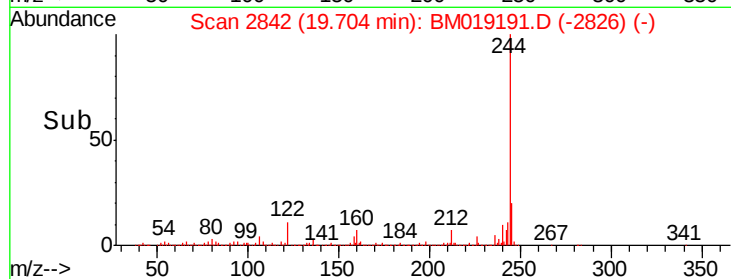
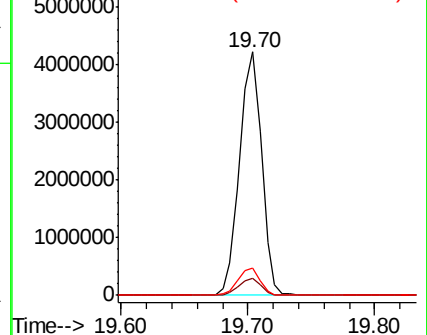
122 11.4 9.4 14.2



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: 23.50 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM019191.D

Acq: 15 Mar 2019 18:03

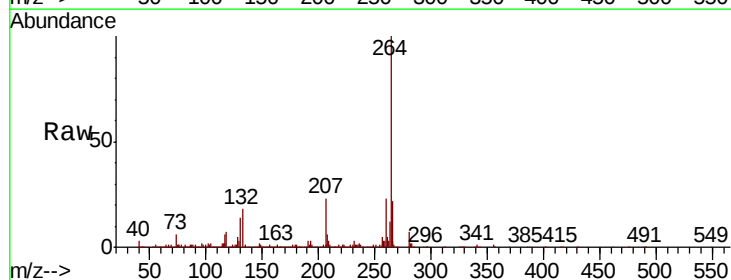
Tgt Ion:264 Resp: 908769

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.6 17.3 25.9



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

