

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032119\  
 Data File : BM019296.D  
 Acq On : 21 Mar 2019 18:32  
 Operator : JU/SJ  
 Sample : K2010-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1

Quant Time: Mar 22 04:44:12 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   | 7.63  | 152  | 137259   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.42 | 136  | 522599   | 20.00  | ng    | -0.04    |
| 39) Acenaphthene-d10        | 14.29 | 164  | 392578   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 17.04 | 188  | 898411   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12            | 21.25 | 240  | 681143   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.47 | 264  | 678627   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 966580   | 114.04 | ng    | -0.02    |
| 7) Phenol-d6                | 6.81  | 99   | 1167878  | 94.21  | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 8.80  | 82   | 966661   | 87.44  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 15.79 | 330  | 819611   | 141.40 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 12.90 | 172  | 2471465  | 81.89  | ng    | -0.04    |
| 79) Terphenyl-d14           | 19.69 | 244  | 4169427  | 121.52 | ng    | -0.02    |

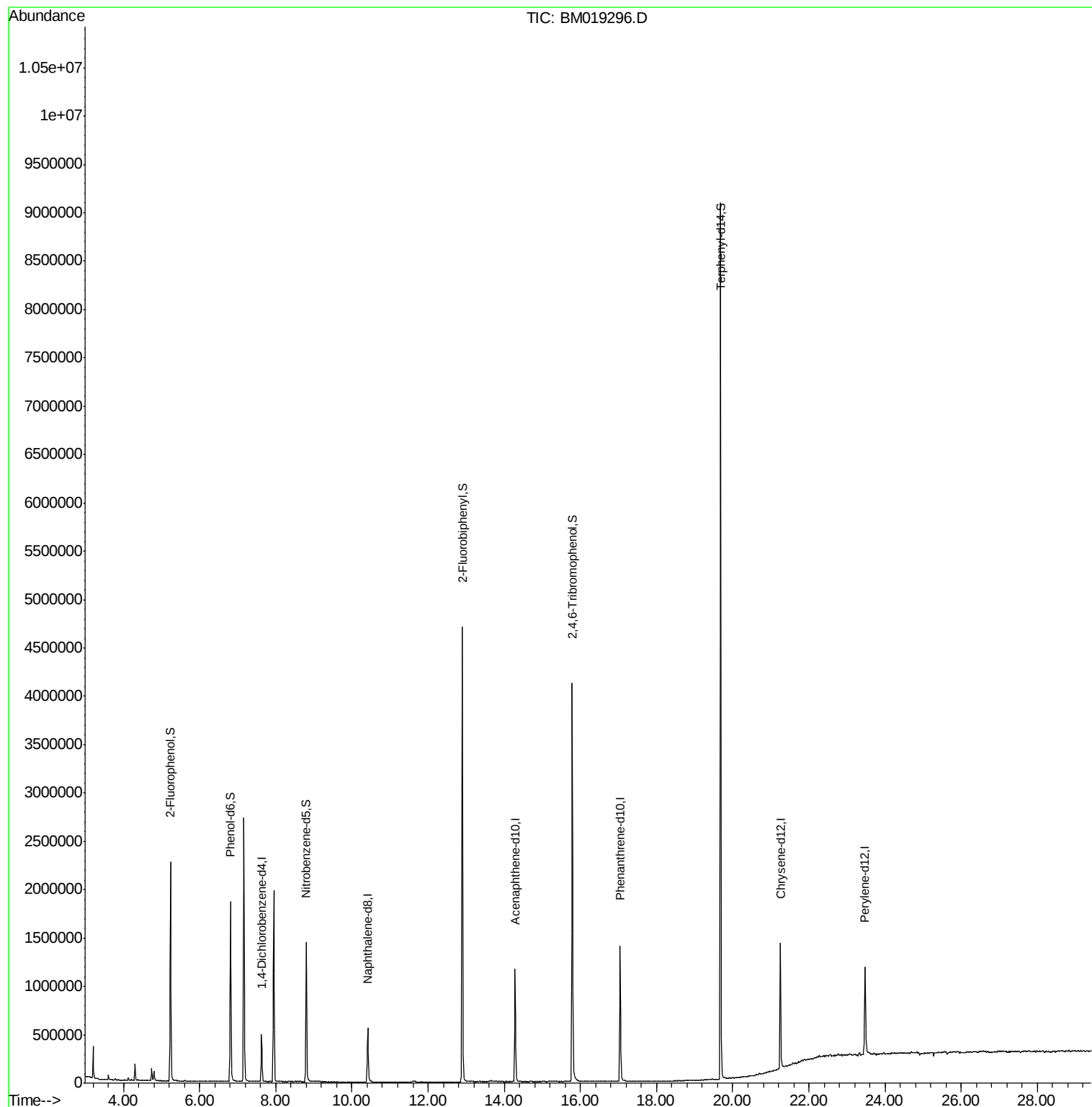
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

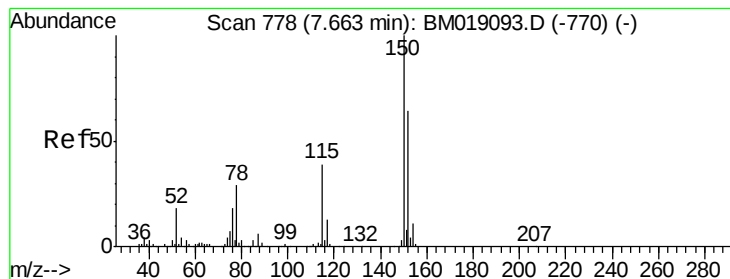
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 11 17:30:46 2019  
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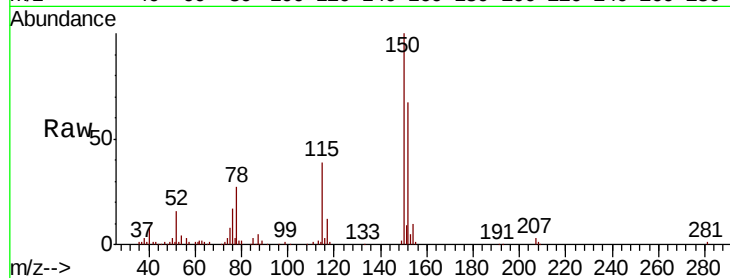


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.63 min Scan# 789  
 Delta R.T. -0.04 min  
 Lab File: BM019296.D  
 Acq: 21 Mar 2019 18:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.1 | 125.3 | 187.9 |
| 115     | 58.3  | 49.4  | 74.0  |

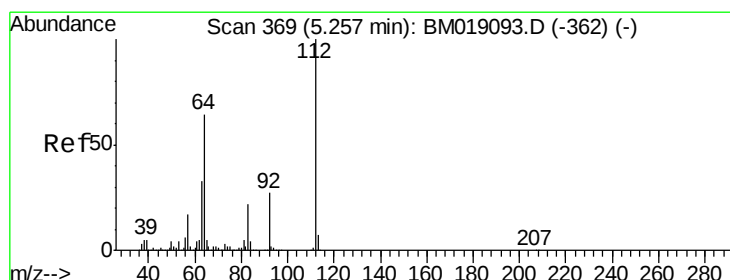
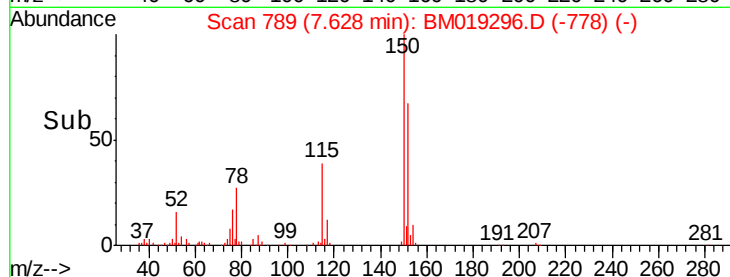
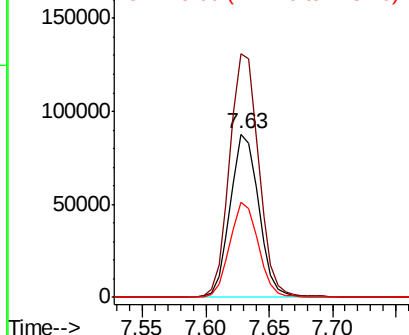


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

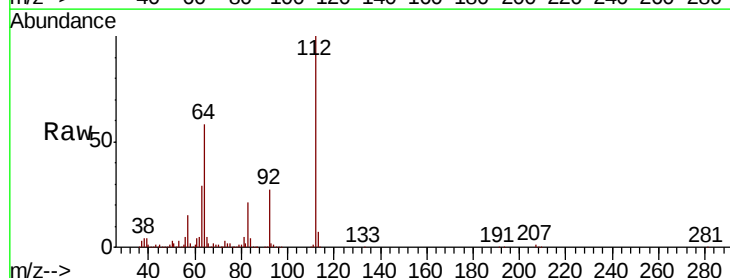
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 114.044 ng  
 RT: 5.23 min Scan# 382  
 Delta R.T. -0.02 min  
 Lab File: BM019296.D  
 Acq: 21 Mar 2019 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.9  | 51.4  | 77.0  |
| 63      | 29.3  | 26.6  | 40.0  |

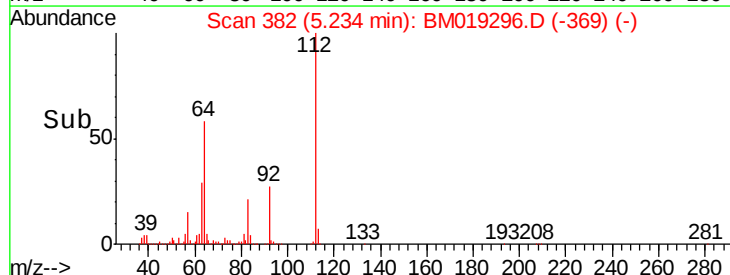
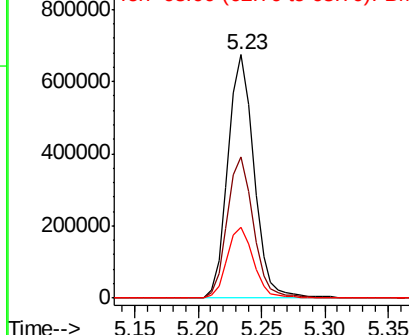


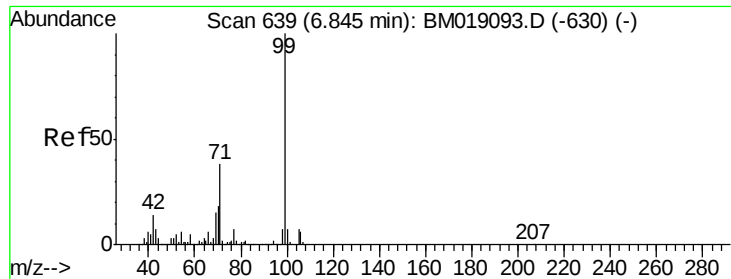
Abundance

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: 94.205 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.04 min

Lab File: BM019296.D

Acq: 21 Mar 2019 18:32

Instrument :

BNA\_M

ClientSampleId :

TP-1

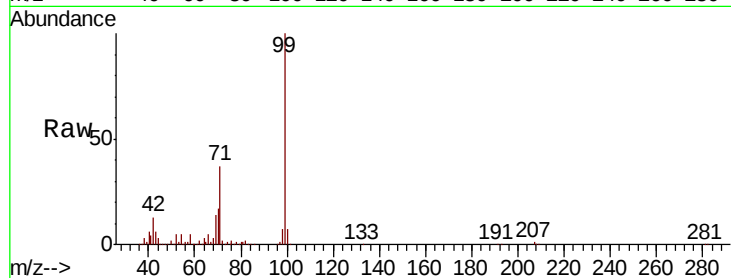
Tgt Ion: 99 Resp: 1167878

Ion Ratio Lower Upper

99 100

42 12.9 10.9 16.3

71 36.8 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019093.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM019093.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM019093.D (-630) (-)

6.81

800000

600000

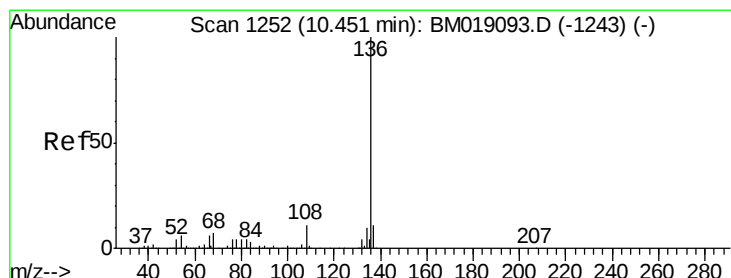
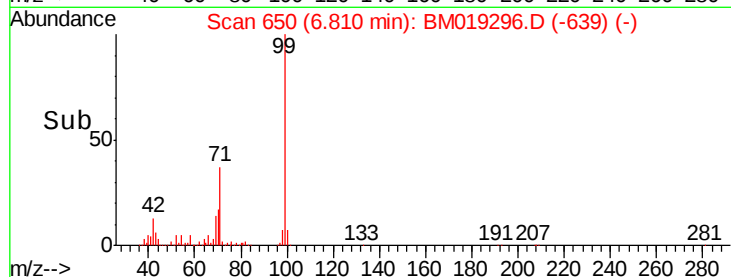
400000

200000

0

6.75 6.80 6.85 6.90

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1263

Delta R.T. -0.04 min

Lab File: BM019296.D

Acq: 21 Mar 2019 18:32

Tgt Ion: 136 Resp: 522599

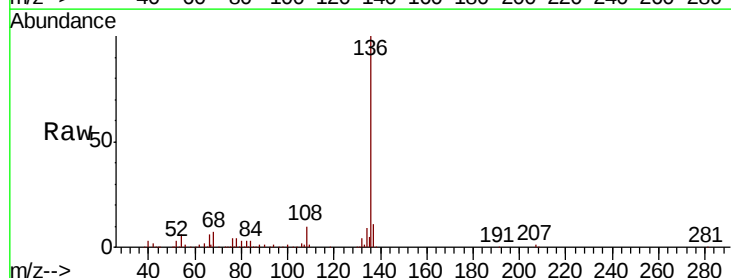
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.0 5.2 7.8

68 6.8 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): BM019093.D (-1243) (-)

Ion 137.00 (136.70 to 137.70): BM019093.D (-1243) (-)

Ion 54.00 (53.70 to 54.70): BM019093.D (-1243) (-)

Ion 68.00 (67.70 to 68.70): BM019093.D (-1243) (-)

10.42

400000

300000

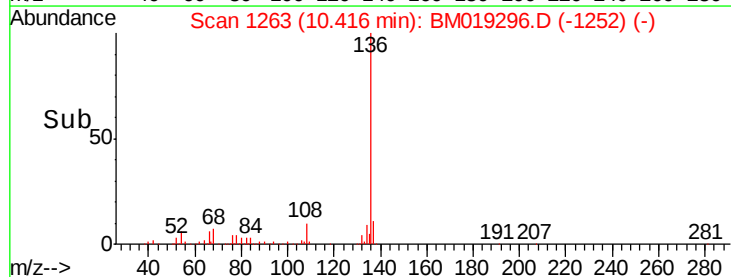
200000

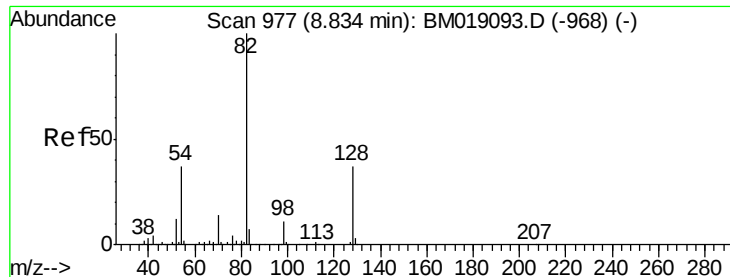
100000

0

10.40 10.45 10.50

Time-->

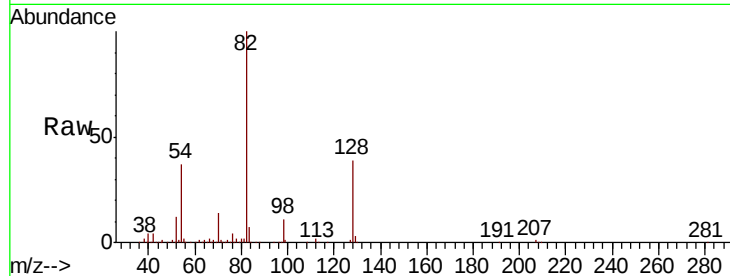




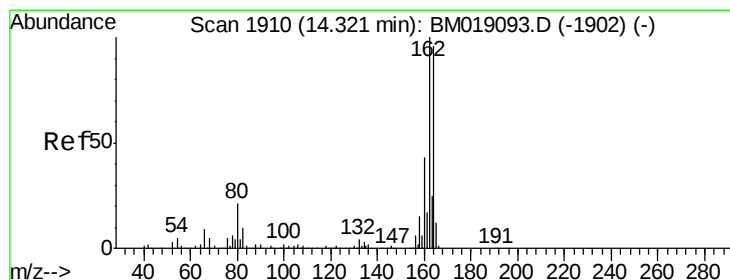
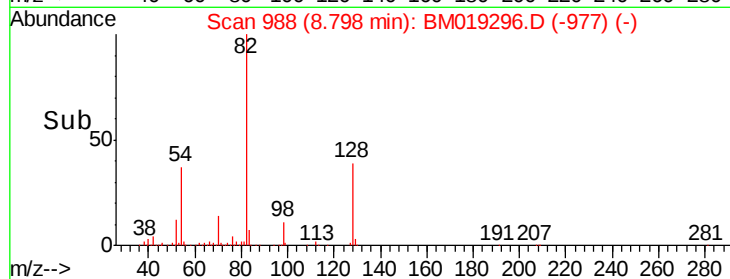
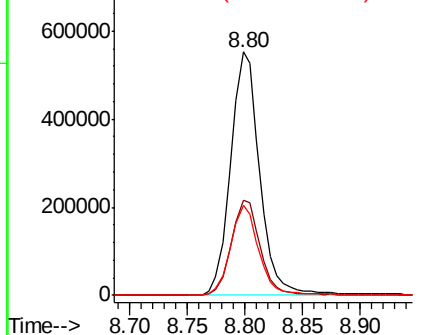
#23  
 Nitrobenzene-d5  
 Concen: 87.436 ng  
 RT: 8.80 min Scan# 988  
 Delta R.T. -0.04 min  
 Lab File: BM019296.D  
 Acq: 21 Mar 2019 18:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.2  | 29.4  | 44.2  |
| 54      | 36.7  | 29.9  | 44.9  |

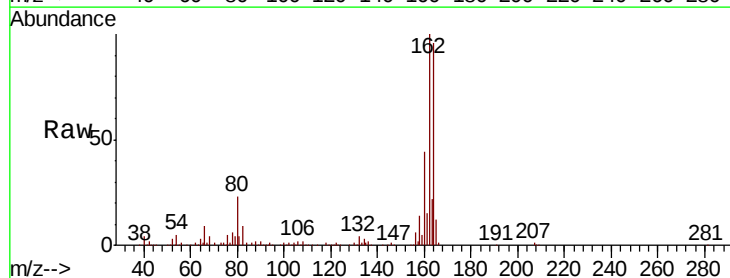


Abundance Ion 82.00 (81.70 to 82.70): BM019093.D (-968) (-)

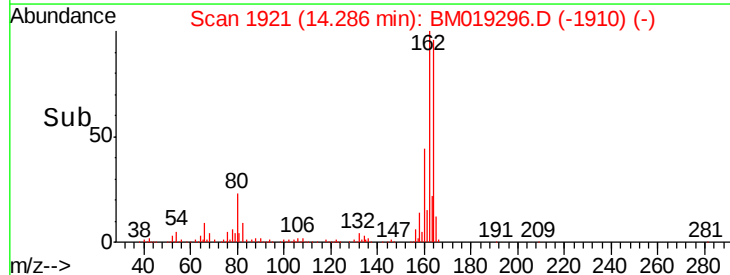
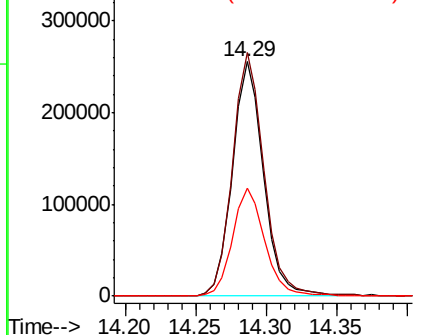


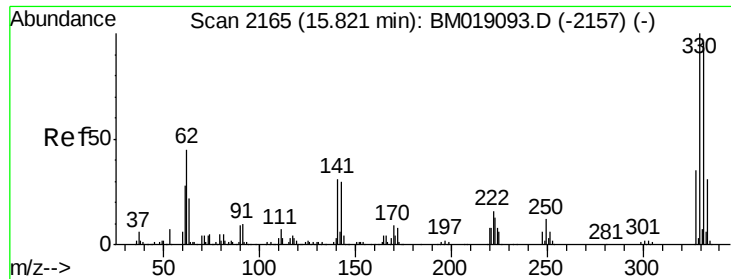
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.29 min Scan# 1921  
 Delta R.T. -0.04 min  
 Lab File: BM019296.D  
 Acq: 21 Mar 2019 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.0 | 83.5  | 125.3 |
| 160     | 45.9  | 36.3  | 54.5  |



Abundance Ion 164.00 (163.70 to 164.70): BM019093.D (-1902) (-)

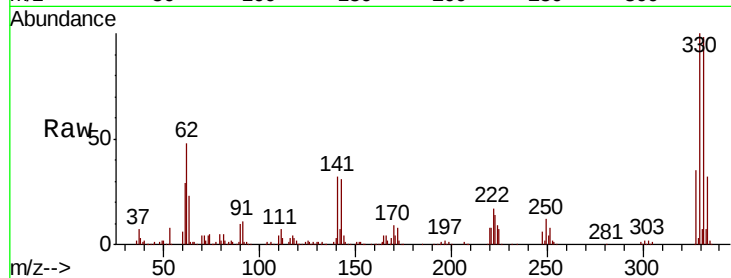




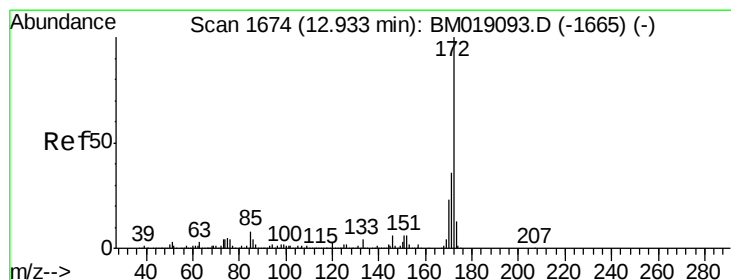
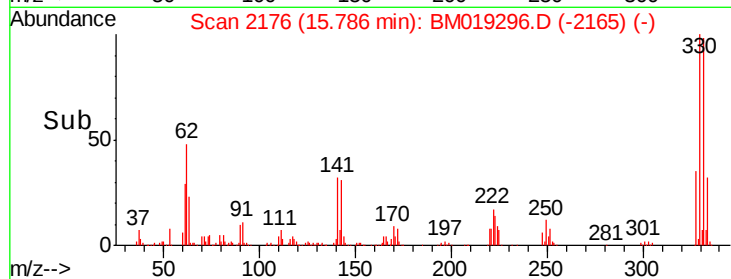
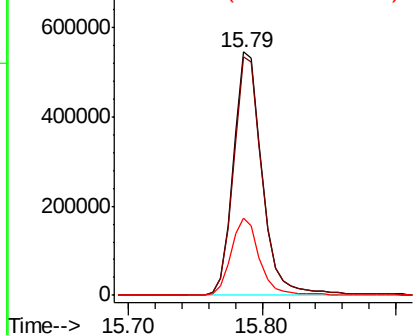
#42  
 2,4,6-Tribromophenol  
 Concen: 141.403 ng  
 RT: 15.79 min Scan# 2176  
 Delta R.T. -0.04 min  
 Lab File: BM019296.D  
 Acq: 21 Mar 2019 18:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Tgt Ion:330 Resp: 819611  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 76.8 115.2  
 141 31.5 27.0 40.4

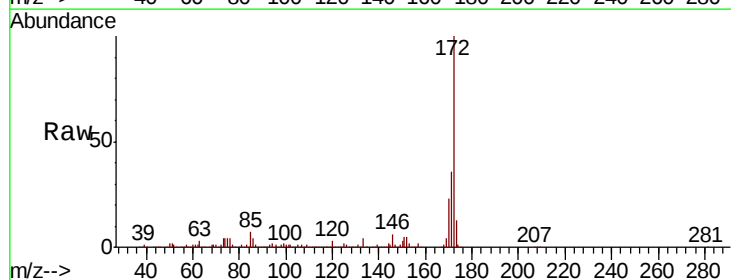


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

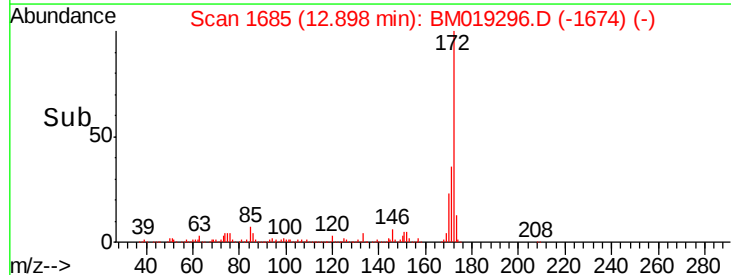
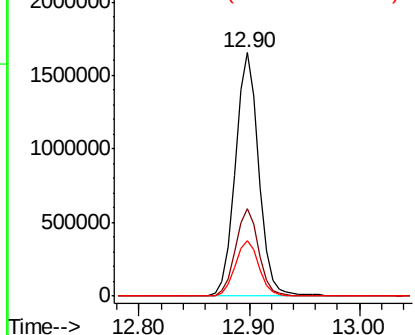


#45  
 2-Fluorobiphenyl  
 Concen: 81.889 ng  
 RT: 12.90 min Scan# 1685  
 Delta R.T. -0.04 min  
 Lab File: BM019296.D  
 Acq: 21 Mar 2019 18:32

Tgt Ion:172 Resp: 2471465  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.6 42.8  
 170 22.8 18.6 28.0



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.04 min Scan# 2390

Delta R.T. -0.03 min

Lab File: BM019296.D

Acq: 21 Mar 2019 18:32

Instrument :

BNA\_M

ClientSampleId :

TP-1

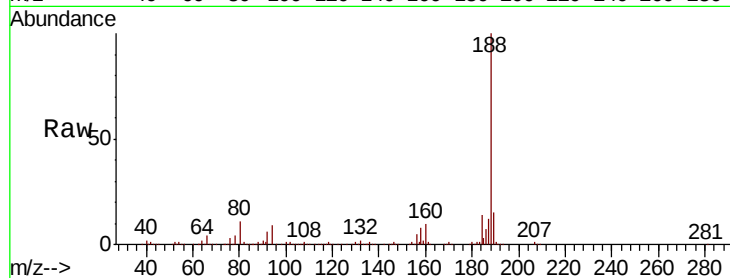
Tgt Ion:188 Resp: 898411

Ion Ratio Lower Upper

188 100

94 9.3 8.1 12.1

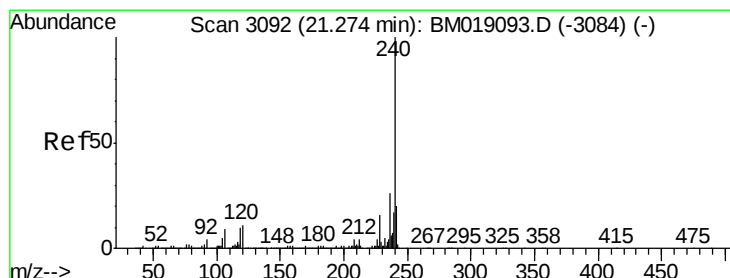
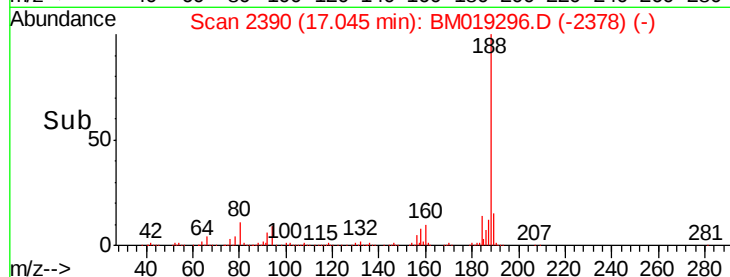
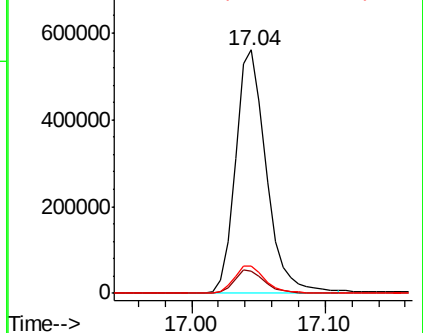
80 11.3 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BM019296.D

Acq: 21 Mar 2019 18:32

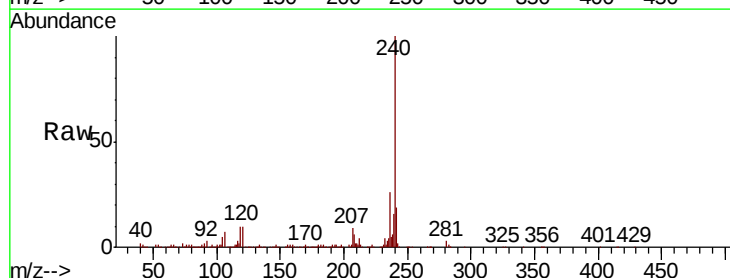
Tgt Ion:240 Resp: 681143

Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

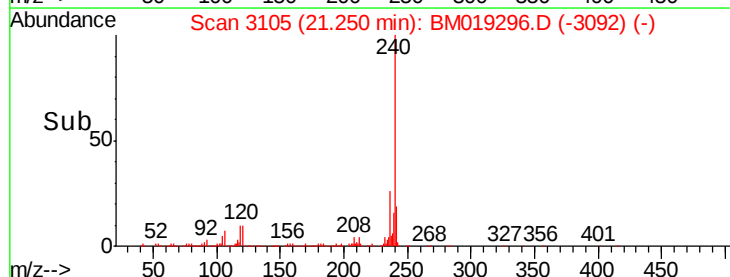
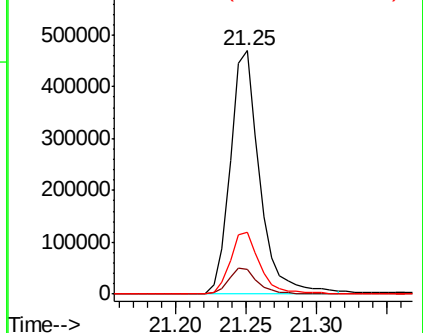
236 25.6 21.0 31.4

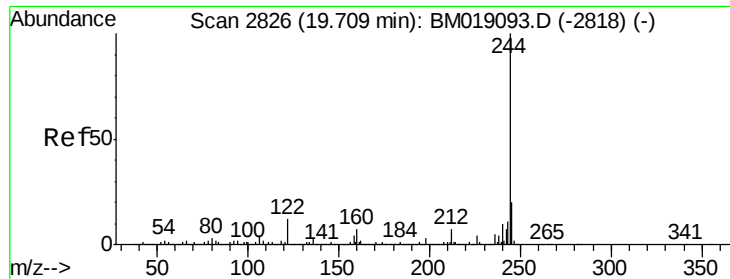


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 121.520 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BM019296.D

Acq: 21 Mar 2019 18:32

Instrument :

BNA\_M

ClientSampleId :

TP-1

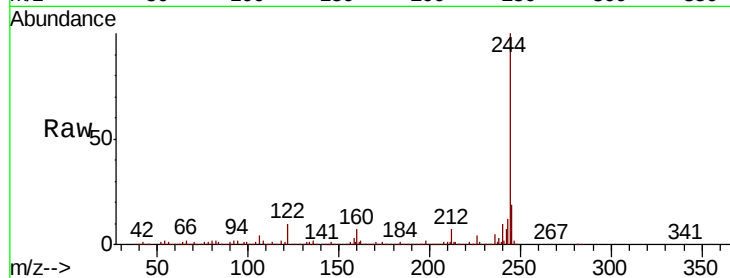
Tgt Ion:244 Resp: 4169427

Ion Ratio Lower Upper

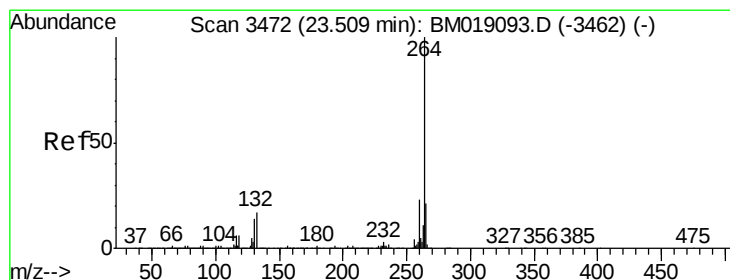
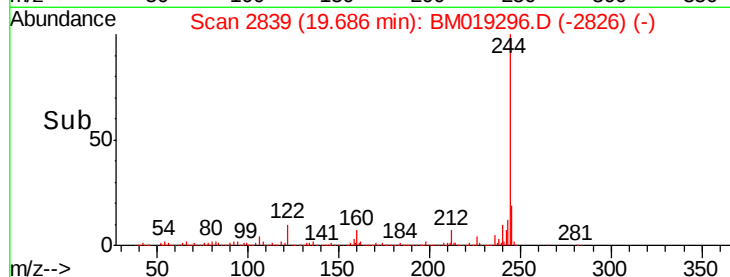
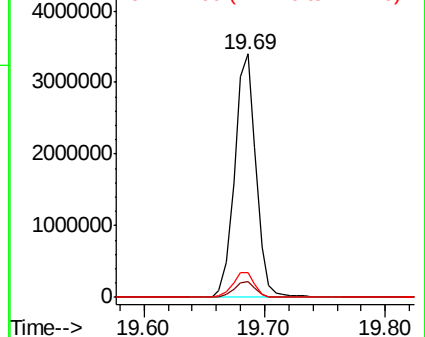
244 100

212 6.6 5.4 8.2

122 10.2 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: 23.47 min Scan# 3483

Delta R.T. -0.04 min

Lab File: BM019296.D

Acq: 21 Mar 2019 18:32

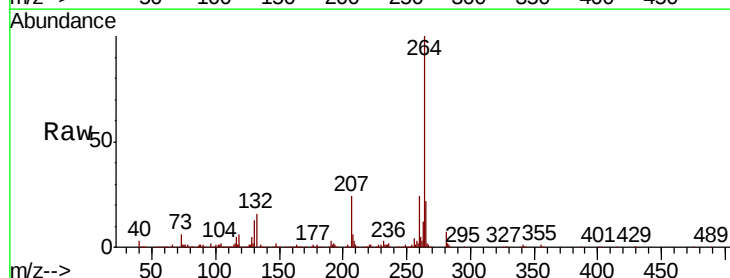
Tgt Ion:264 Resp: 678627

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.0 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

