

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
 Data File : BM020300.D  
 Acq On : 12 May 2019 16:07  
 Operator : JU/SJ  
 Sample : K2768-20  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS016-1218-01

Quant Time: May 13 05:22:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:58:37 2019  
 Response via : Initial Calibration

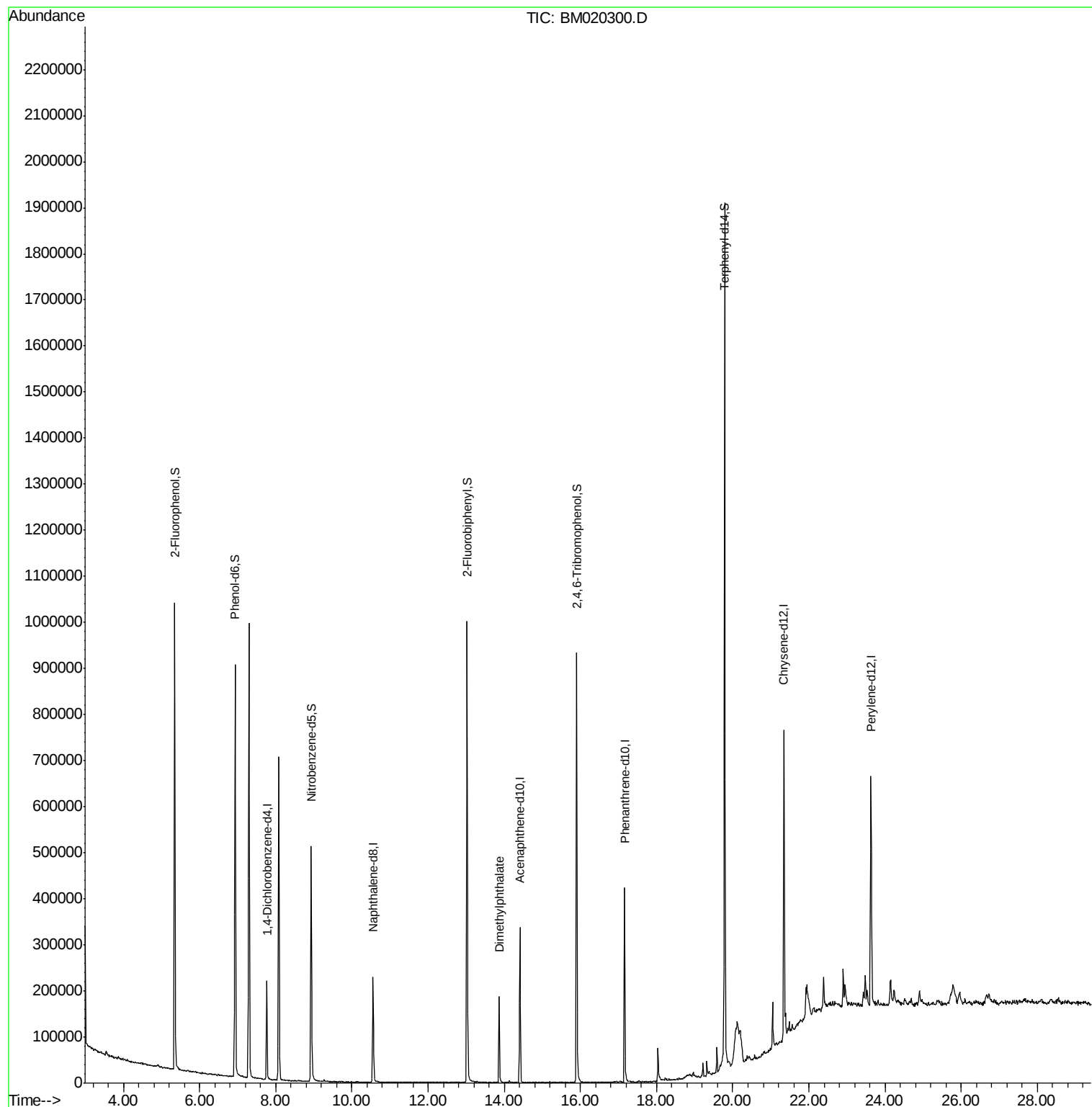
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.76  | 152  | 56291    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.56 | 136  | 190227   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.41 | 164  | 110752   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.16 | 188  | 264641   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.34 | 240  | 300109   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.63 | 264  | 384867   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 391129   | 113.58 | ng    | -0.02    |
| 7) Phenol-d6                | 6.93  | 99   | 512928   | 109.03 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.93  | 82   | 347291   | 72.08  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 15.90 | 330  | 183613   | 106.81 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.03 | 172  | 537767   | 59.74  | ng    | -0.03    |
| 79) Terphenyl-d14           | 19.79 | 244  | 849897   | 49.40  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate       | 13.87 | 163  | 119366   | 12.681 | ng    | 97       |

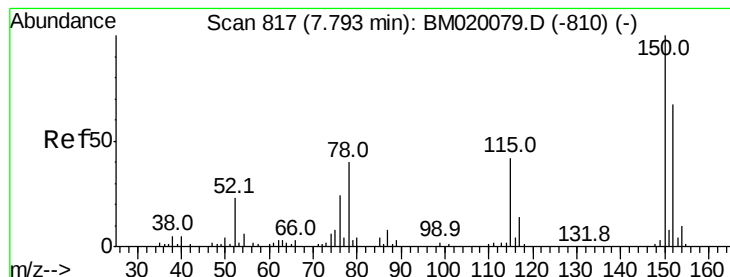
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020300.D  
Acq On : 12 May 2019 16:07  
Operator : JU/SJ  
Sample : K2768-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS016-1218-01

Quant Time: May 13 05:22:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 03:58:37 2019  
Response via : Initial Calibration



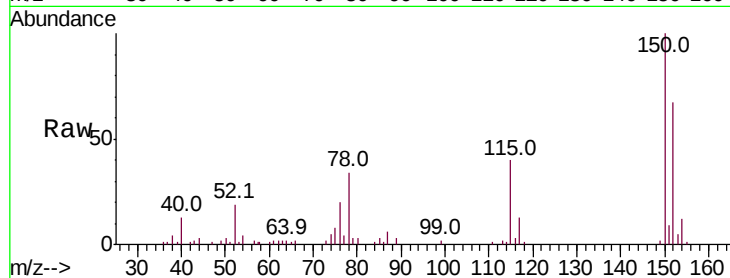


#1

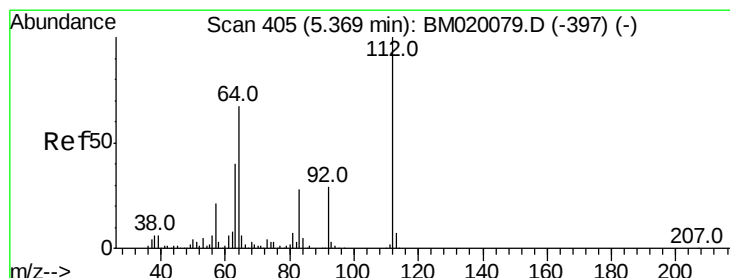
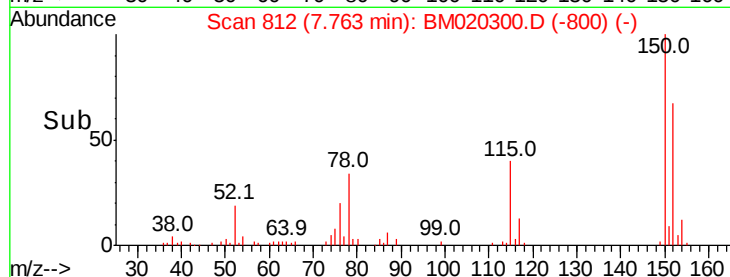
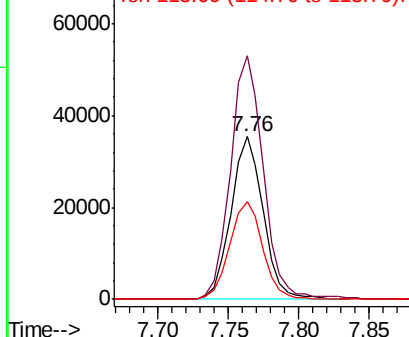
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.76 min Scan# 812  
 Delta R.T. -0.03 min  
 Lab File: BM020300.D  
 Acq: 12 May 2019 16:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS016-1218-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.9 | 119.8 | 179.8 |
| 115     | 60.5  | 50.8  | 76.2  |



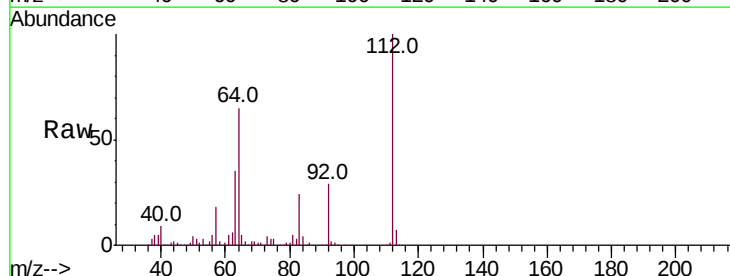
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



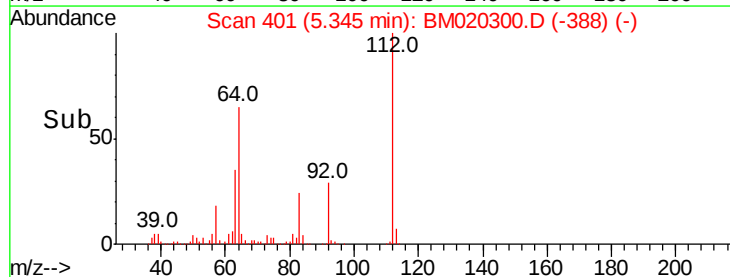
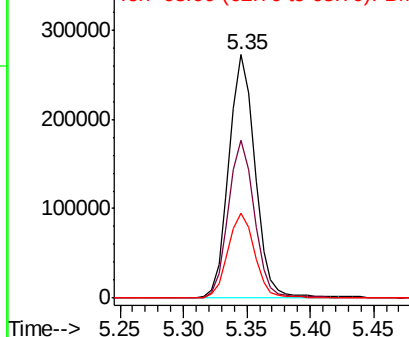
#5

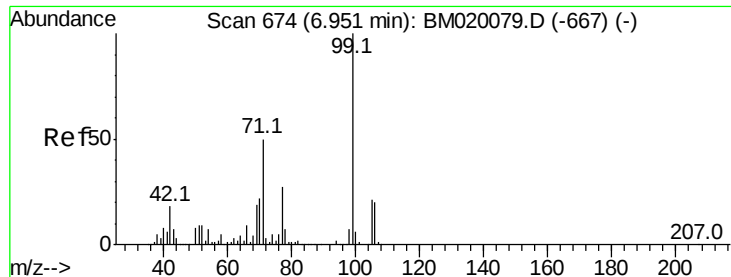
2-Fluorophenol  
 Concen: 113.577 ng  
 RT: 5.35 min Scan# 401  
 Delta R.T. -0.02 min  
 Lab File: BM020300.D  
 Acq: 12 May 2019 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.7  | 53.8  | 80.6  |
| 63      | 34.8  | 32.3  | 48.5  |



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: 109.026 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020300.D

Acq: 12 May 2019 16:07

Instrument :

BNA\_M

ClientSampleId :

P026-SS016-1218-01

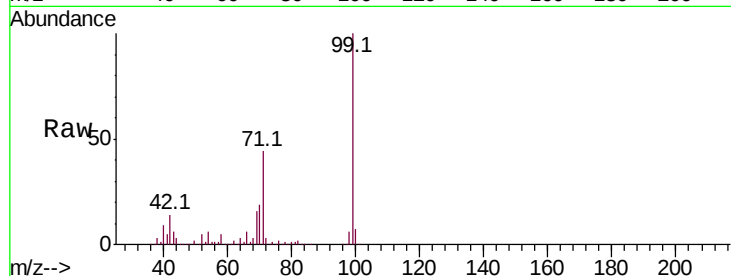
Tot Ion: 99 Resp: 512928

Ion Ratio Lower Upper

99 100

42 14.5 14.2 21.2

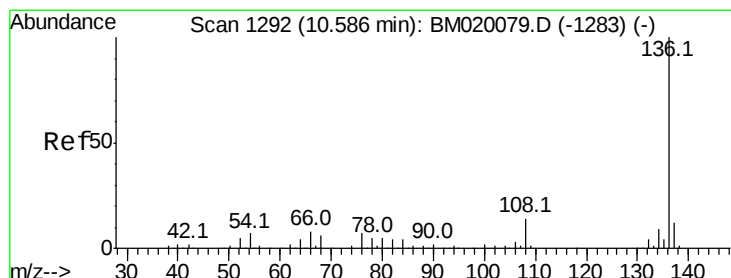
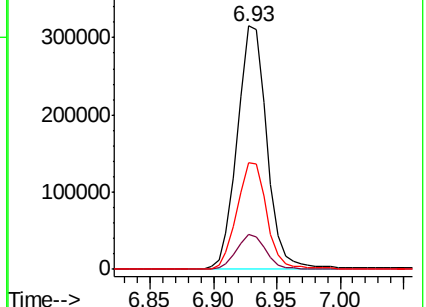
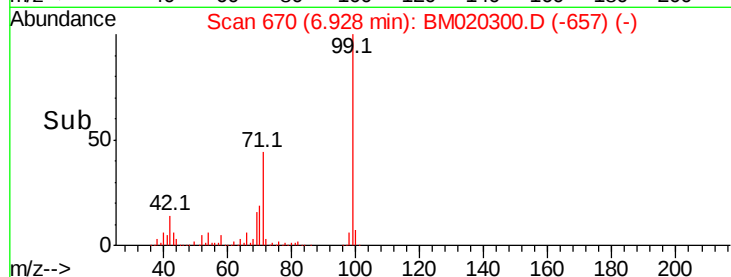
71 43.9 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BM020300.D

Acq: 12 May 2019 16:07

Tgt Ion: 136 Resp: 190227

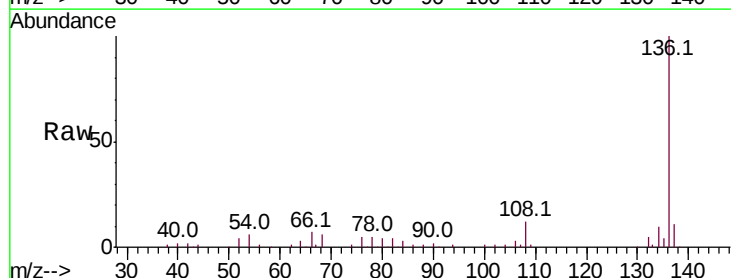
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 6.4 5.5 8.3

68 5.8 4.6 6.8

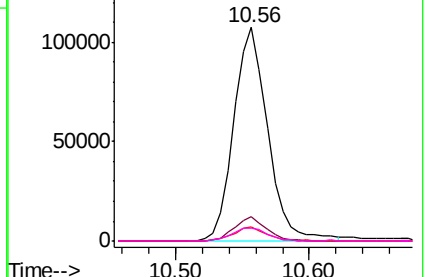
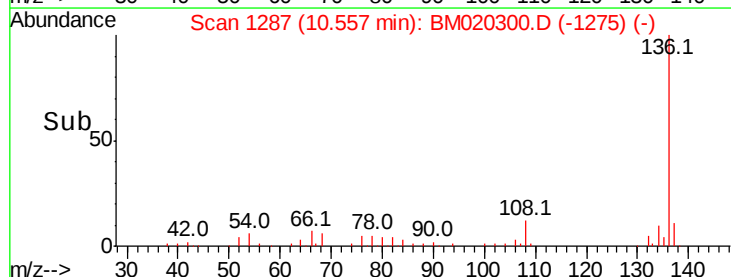


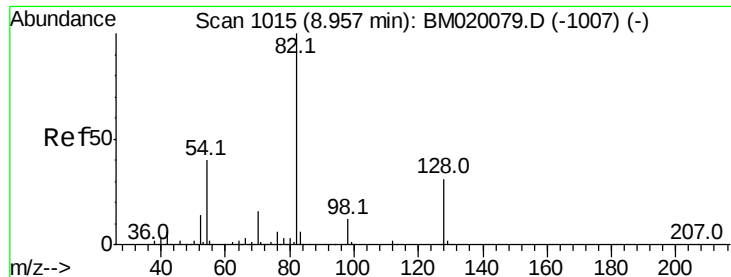
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

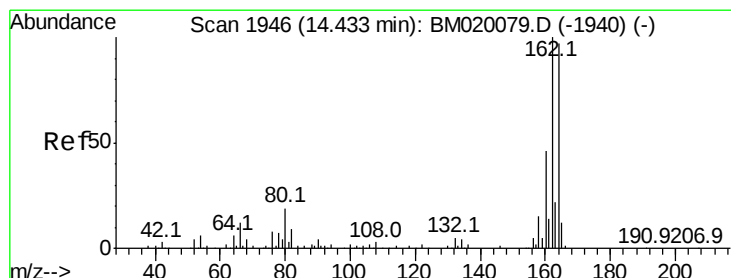
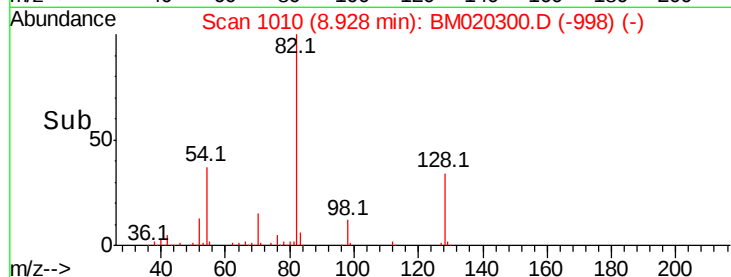
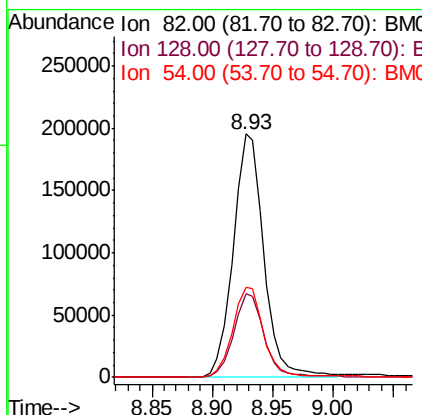
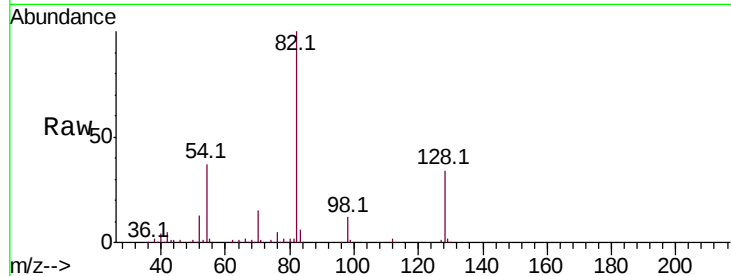




#23  
 Nitrobenzene-d5  
 Concen: 72.077 ng  
 RT: 8.93 min Scan# 1010  
 Delta R.T. -0.03 min  
 Lab File: BM020300.D  
 Acq: 12 May 2019 16:07

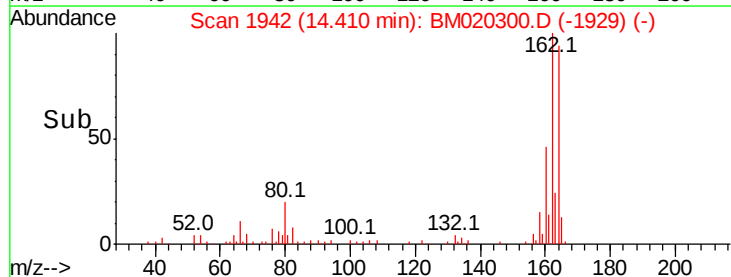
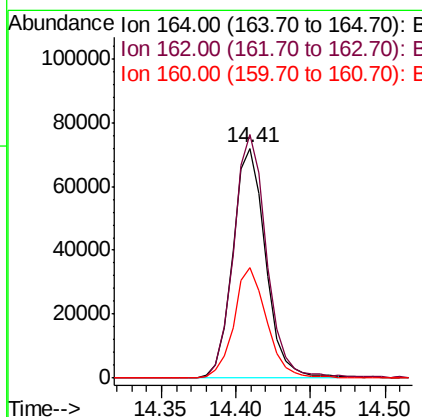
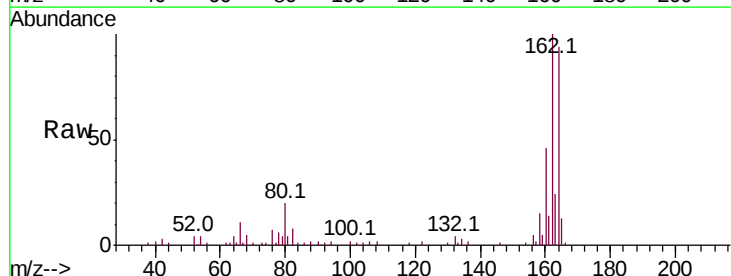
Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS016-1218-01

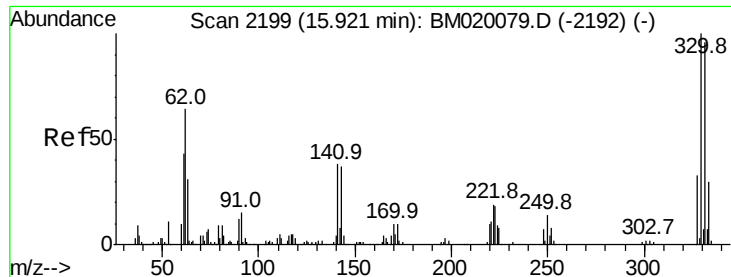
| Tot Ion   | 82    | Resp  | 347291 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 34.3  | 25.2  | 37.8   |
| 54        | 37.2  | 31.9  | 47.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.41 min Scan# 1942  
 Delta R.T. -0.02 min  
 Lab File: BM020300.D  
 Acq: 12 May 2019 16:07

| Tgt Ion   | 164   | Resp  | 110752 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 106.0 | 82.2  | 123.2  |
| 160       | 48.4  | 37.6  | 56.4   |

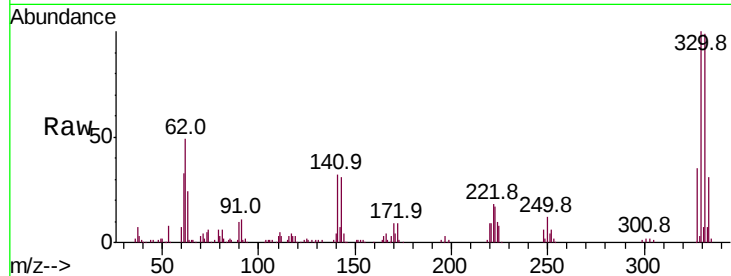




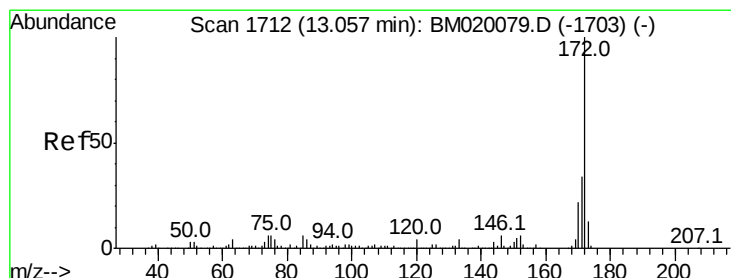
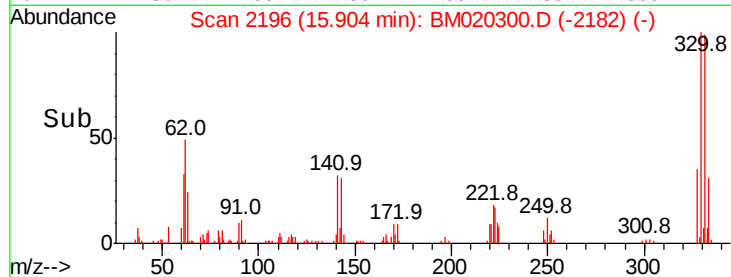
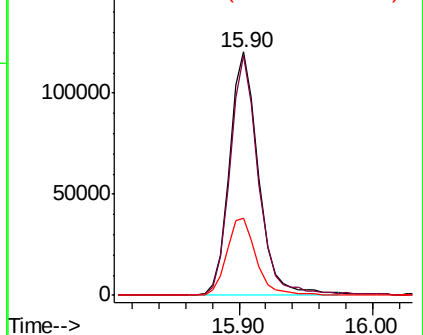
#42  
 2,4,6-Tribromophenol  
 Concen: 106.809 ng  
 RT: 15.90 min Scan# 2196  
 Delta R.T. -0.02 min  
 Lab File: BM020300.D  
 Acq: 12 May 2019 16:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS016-1218-01

Tot Ion:330 Resp: 183613  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.8 115.2  
 141 32.3 29.2 43.8

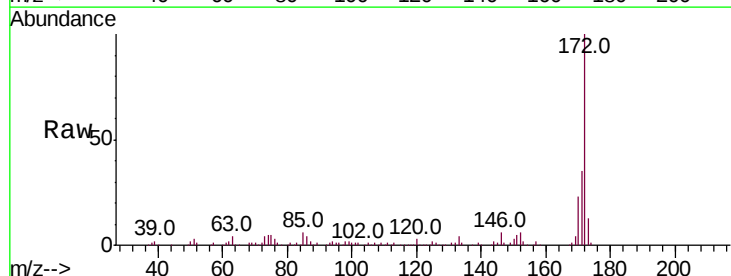


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

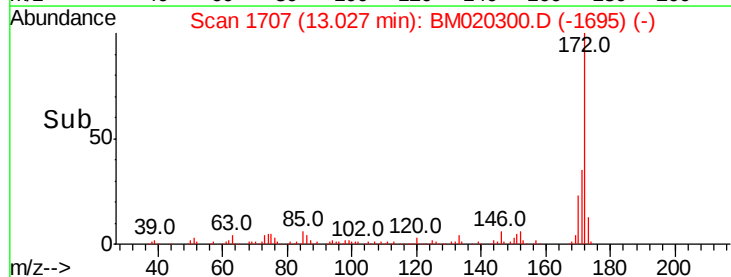
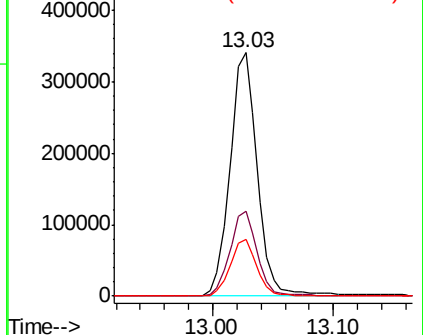


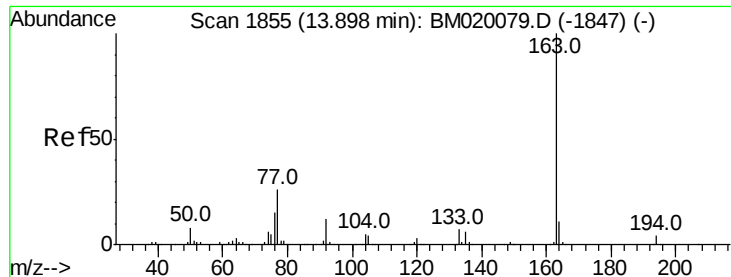
#45  
 2-Fluorobiphenyl  
 Concen: 59.742 ng  
 RT: 13.03 min Scan# 1707  
 Delta R.T. -0.03 min  
 Lab File: BM020300.D  
 Acq: 12 May 2019 16:07

Tgt Ion:172 Resp: 537767  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 27.3 40.9  
 170 23.1 17.9 26.9



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: 12.681 ng

RT: 13.87 min Scan# 1850

Delta R.T. -0.03 min

Lab File: BM020300.D

Acq: 12 May 2019 16:07

Instrument :

BNA\_M

ClientSampleId :

P026-SS016-1218-01

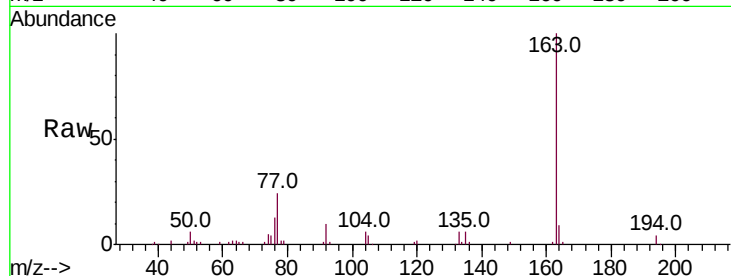
Tot Ion:163 Resp: 119366

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

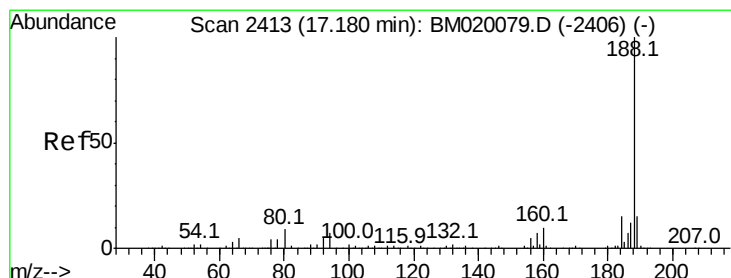
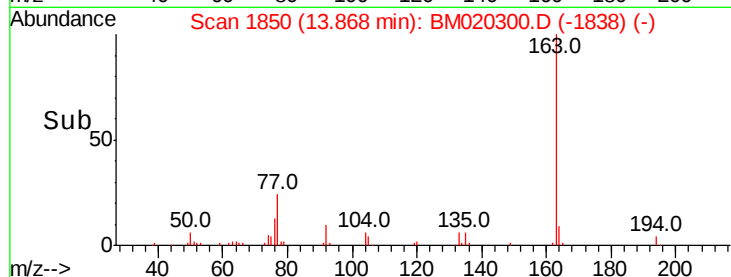
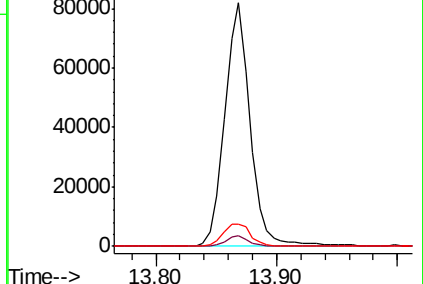
164 9.2 8.4 12.6



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: 17.16 min Scan# 2410

Delta R.T. -0.02 min

Lab File: BM020300.D

Acq: 12 May 2019 16:07

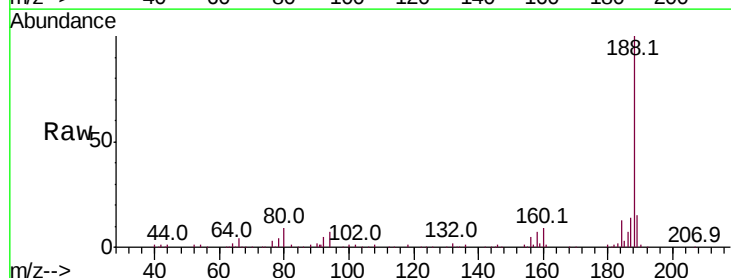
Tgt Ion:188 Resp: 264641

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

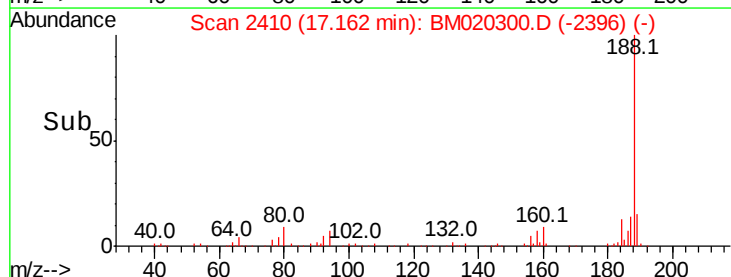
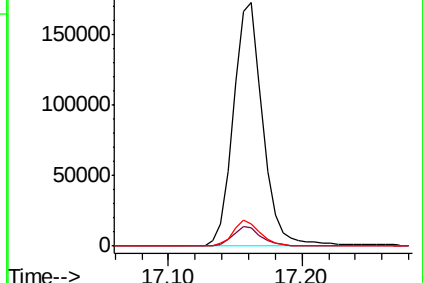
80 9.2 7.4 11.2

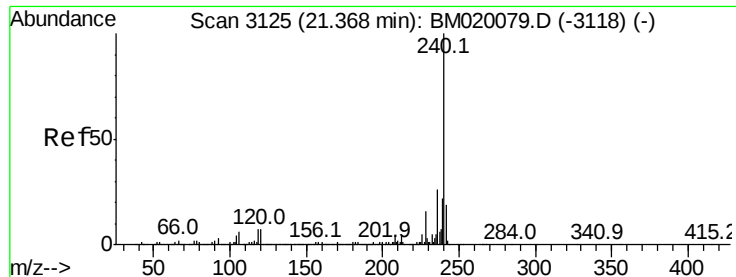


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.34 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BM020300.D

Acq: 12 May 2019 16:07

Instrument :

BNA\_M

ClientSampleId :

P026-SS016-1218-01

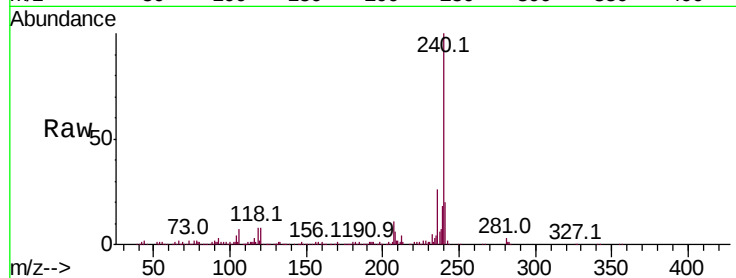
Tot Ion:240 Resp: 300109

Ion Ratio Lower Upper

240 100

120 8.3 5.6 8.4

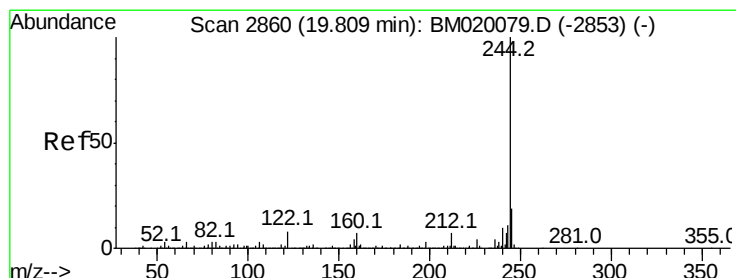
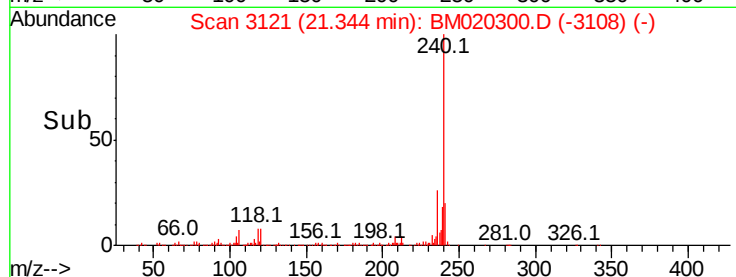
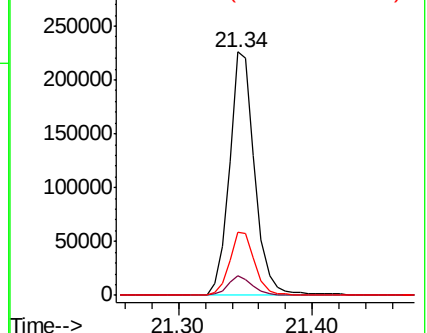
236 25.9 20.9 31.3



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: 49.396 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020300.D

Acq: 12 May 2019 16:07

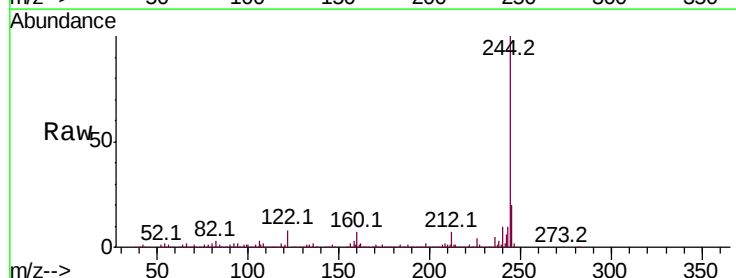
Tgt Ion:244 Resp: 849897

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

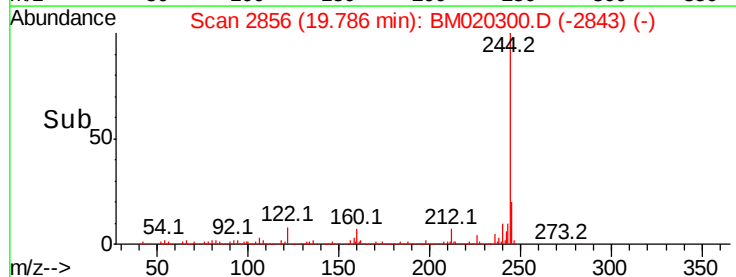
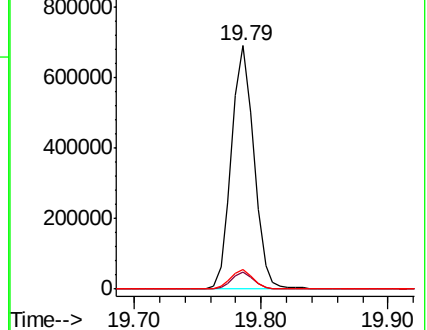
122 8.1 6.2 9.2

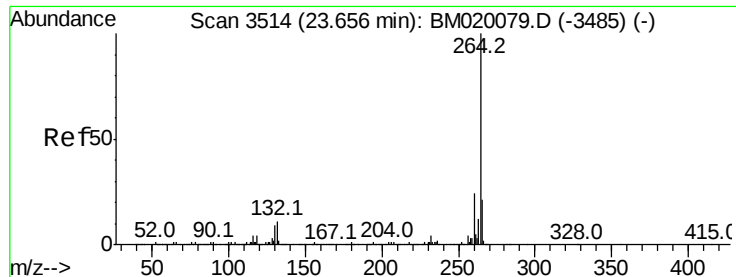


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.63 min Scan# 3510  
Delta R.T. -0.02 min  
Lab File: BM020300.D  
Acq: 12 May 2019 16:07

Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS016-1218-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.2  | 28.8  |
| 265     | 22.1  | 16.9  | 25.3  |

