

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101918\  
 Data File : BM017265.D  
 Acq On : 20 Oct 2018 15:02  
 Operator : MJ/SJ  
 Sample : J5538-22  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CNL01

Quant Time: Oct 22 05:20:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

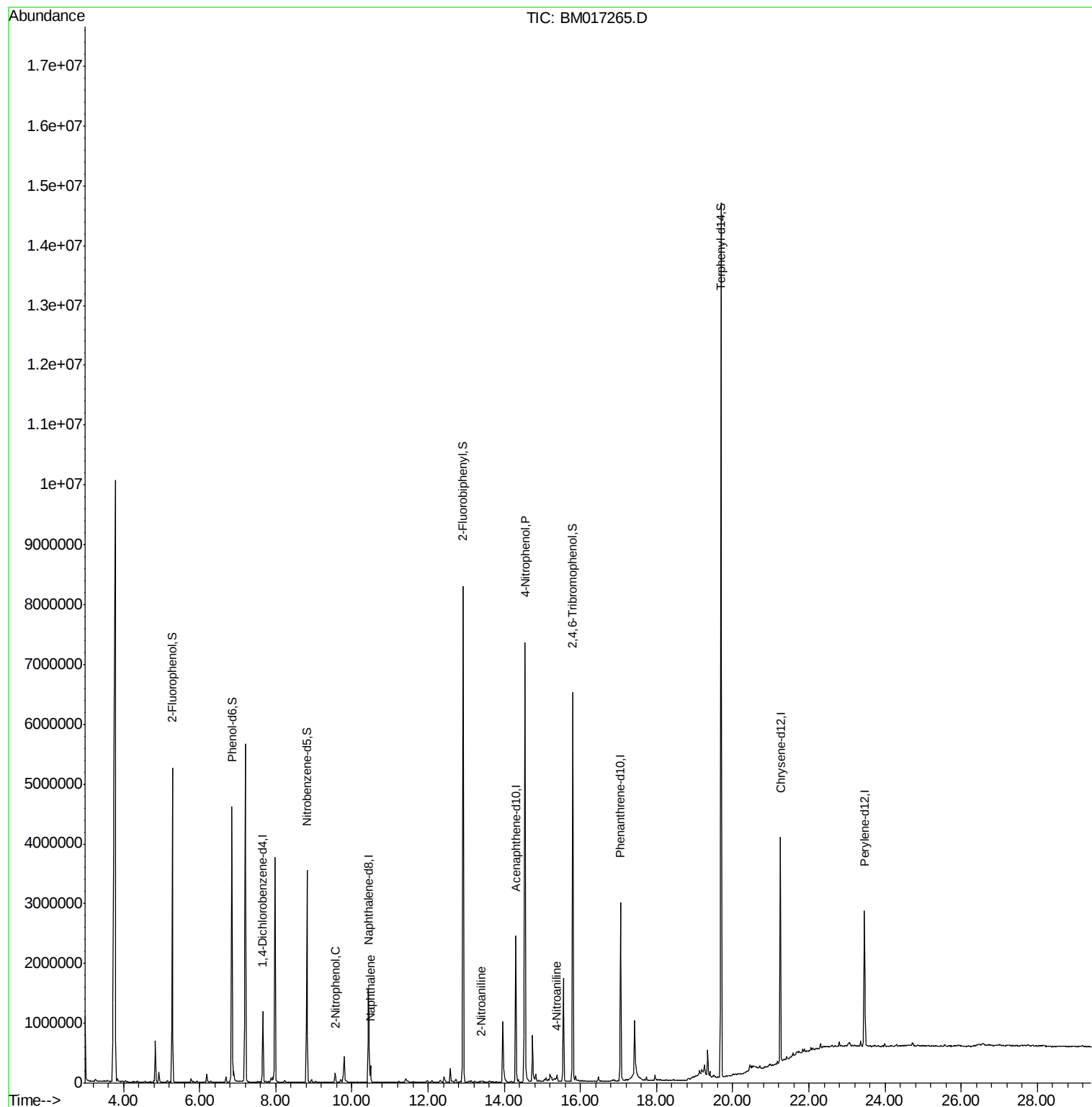
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 312931   | 20.00   | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.43 | 136  | 1273670  | 20.00   | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.30 | 164  | 770866   | 20.00   | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.06 | 188  | 1772899  | 20.00   | ng    | -0.01    |
| 76) Chrysene-d12            | 21.25 | 240  | 1750790  | 20.00   | ng    | -0.01    |
| 87) Perylene-d12            | 23.46 | 264  | 1572250  | 20.00   | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 2078860  | 112.36  | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 2551072  | 101.24  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 1921889  | 88.25   | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 1201306  | 115.24  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 4357423  | 75.21   | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.69 | 244  | 6952397  | 89.51   | ng    | -0.01    |
| Target Compounds            |       |      |          |         |       |          |
| 26) 2-Nitrophenol           | 9.56  | 139  | 49757    | 9.770   | ng    | 97       |
| 31) Naphthalene             | 10.49 | 128  | 219450   | 3.516   | ng    | 98       |
| 48) 2-Nitroaniline          | 13.39 | 65   | 7560     | 6.150   | ng    | 91       |
| 56) 4-Nitrophenol           | 14.55 | 139  | 2150953  | 161.377 | ng    | 94       |
| 62) 4-Nitroaniline          | 15.39 | 138  | 20321    | 5.912   | ng    | 90       |

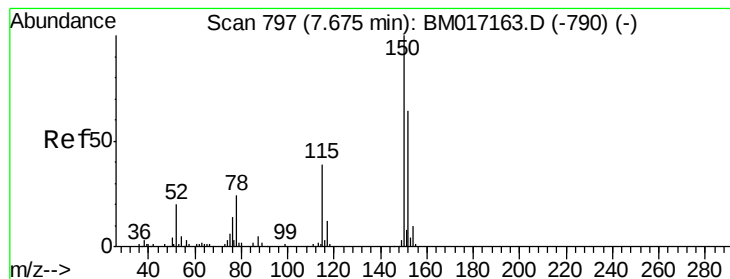
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101918\  
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ALS Vial : 34 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.M  
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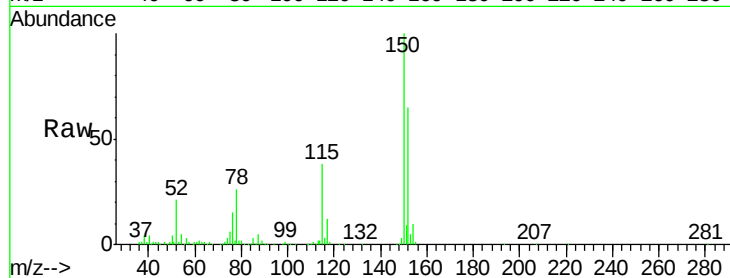


#1

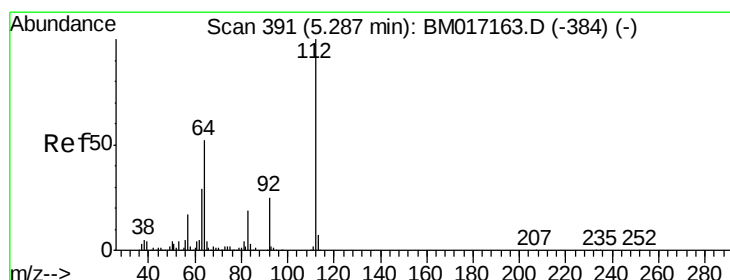
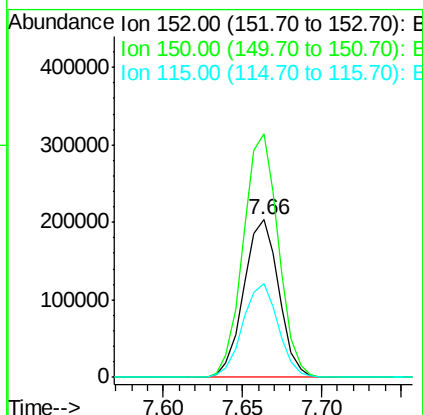
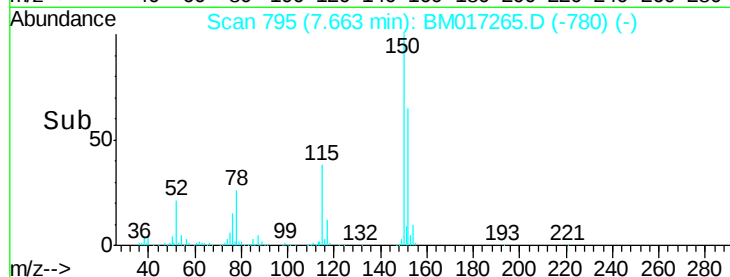
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BM017265.D  
Acq: 20 Oct 2018 15:02

Instrument :  
BNA\_M  
ClientSampleId :  
CNL01

Tgt Ion:152 Resp: 312931  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.3 186.5  
115 59.5 48.1 72.1



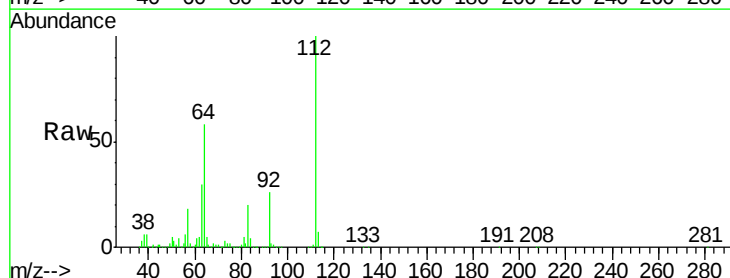
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



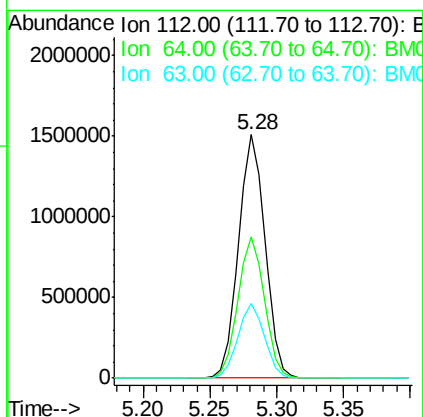
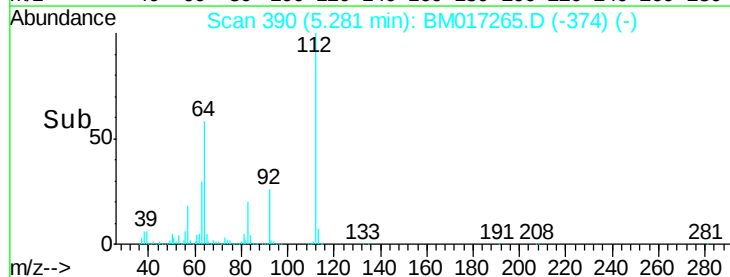
#5

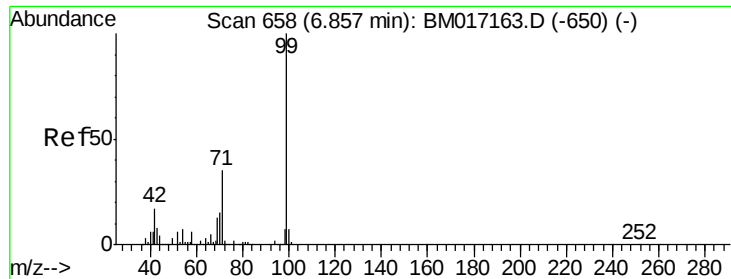
2-Fluorophenol  
Concen: 112.359 ng  
RT: 5.28 min Scan# 390  
Delta R.T. -0.00 min  
Lab File: BM017265.D  
Acq: 20 Oct 2018 15:02

Tgt Ion:112 Resp: 2078860  
Ion Ratio Lower Upper  
112 100  
64 58.1 41.7 62.5  
63 30.5 23.0 34.4



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: 101.238 ng

RT: 6.85 min Scan# 656

Delta R.T. -0.01 min

Lab File: BM017265.D

Acq: 20 Oct 2018 15:02

Instrument :

BNA\_M

ClientSampleId :

CNL01

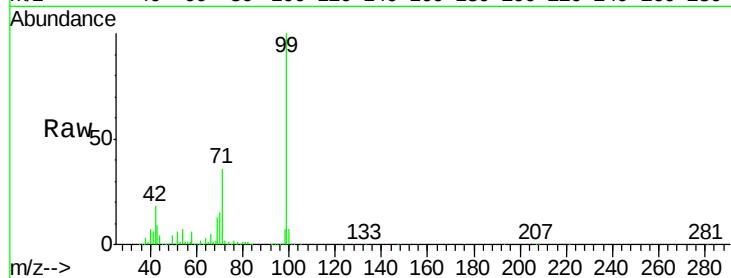
Tgt Ion: 99 Resp: 2551072

Ion Ratio Lower Upper

99 100

42 17.5 13.3 19.9

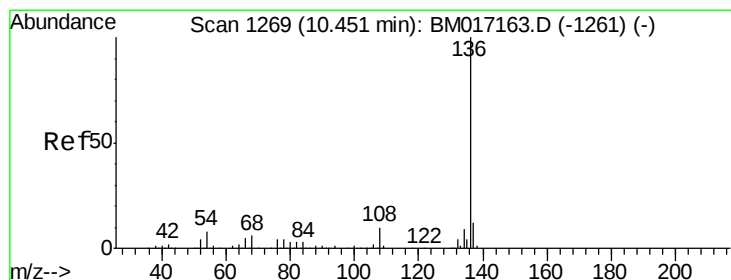
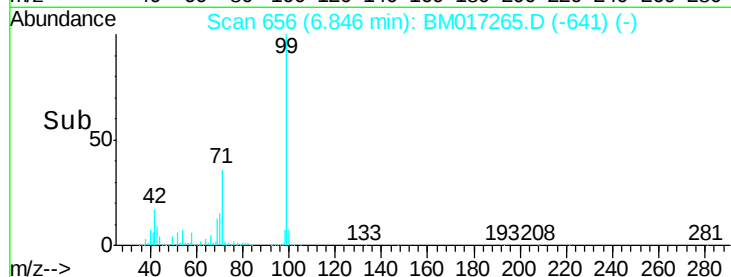
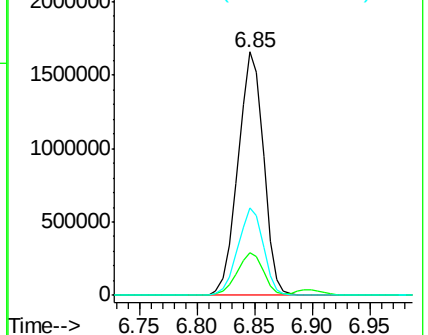
71 35.9 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017163.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-650) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BM017265.D

Acq: 20 Oct 2018 15:02

Tgt Ion: 136 Resp: 1273670

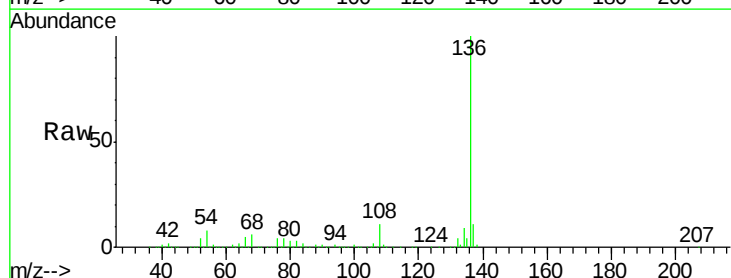
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 7.9 6.7 10.1

68 5.7 4.7 7.1

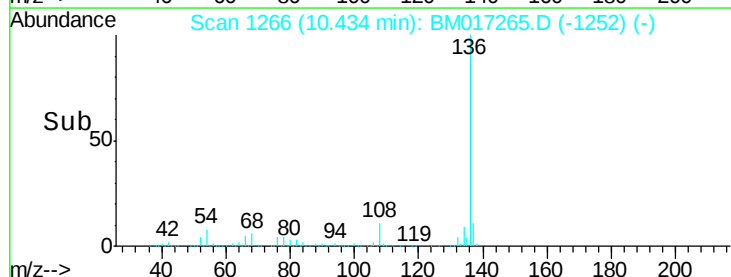
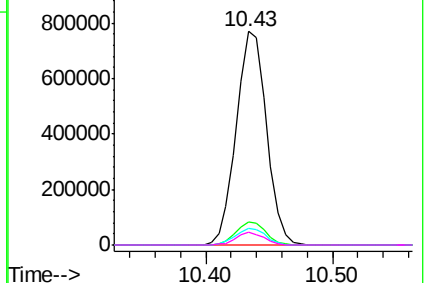


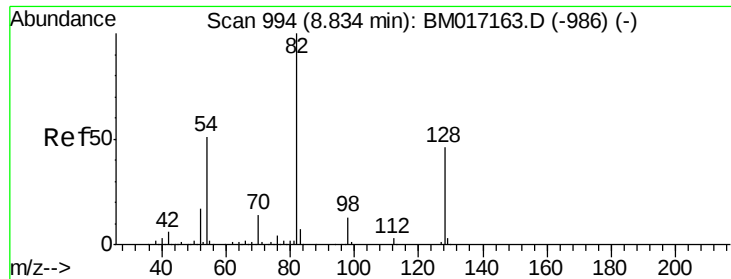
Abundance Ion 136.00 (135.70 to 136.70): BM017163.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM017163.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM017163.D (-1261) (-)

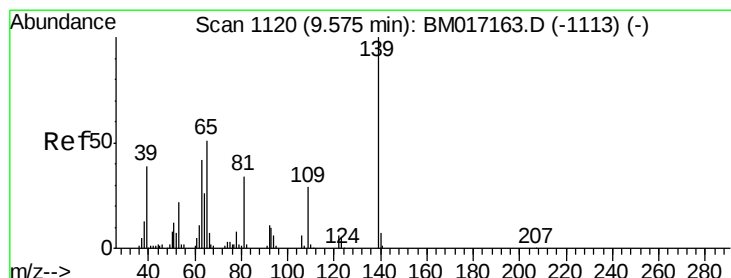
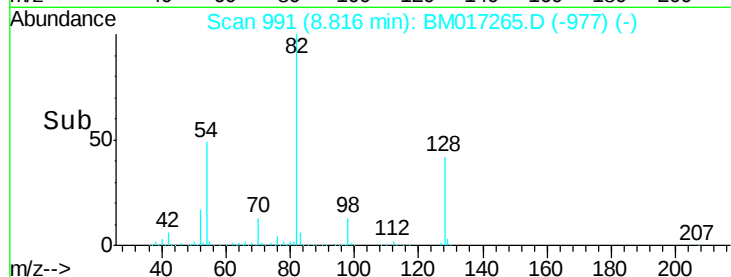
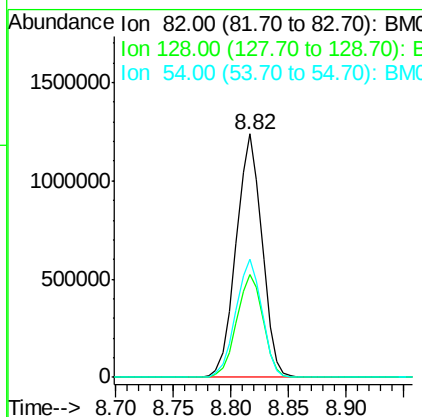
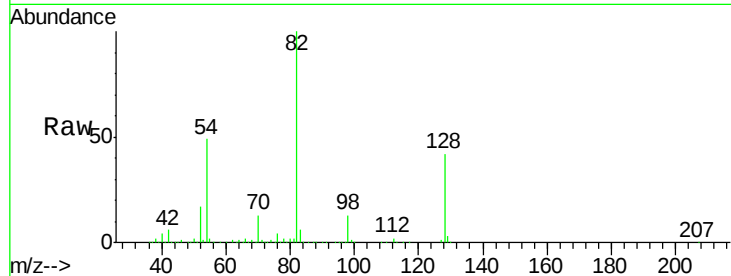




#23  
 Nitrobenzene-d5  
 Concen: 88.251 ng  
 RT: 8.82 min Scan# 991  
 Delta R.T. -0.02 min  
 Lab File: BM017265.D  
 Acq: 20 Oct 2018 15:02

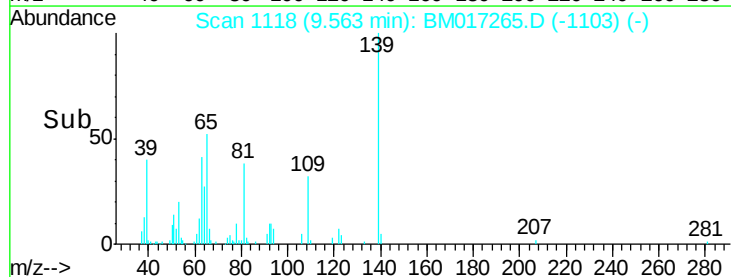
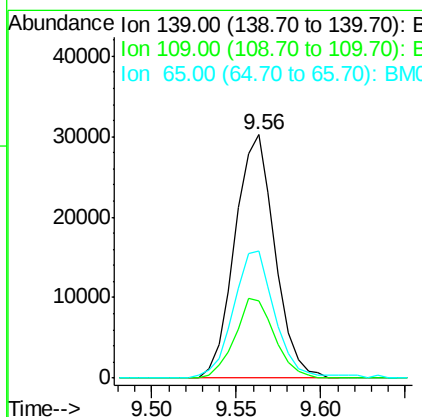
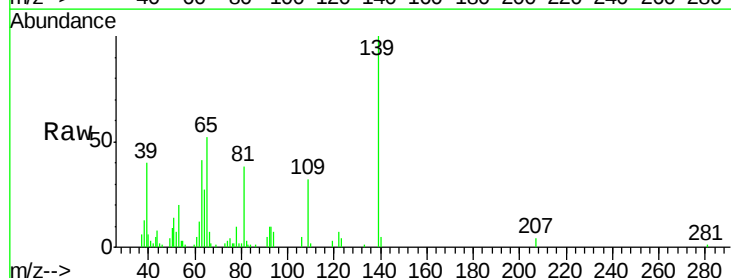
Instrument :  
 BNA\_M  
 ClientSampleId :  
 CNL01

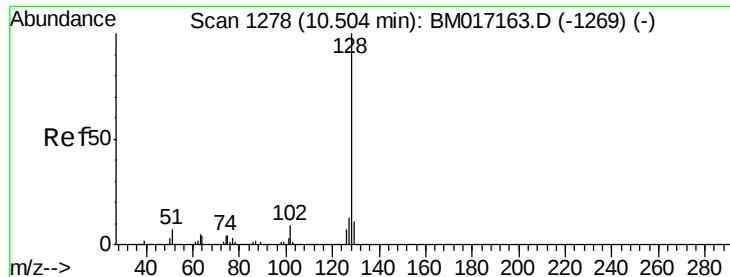
Tgt Ion: 82 Resp: 1921889  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 37.0 55.6  
 54 48.6 40.7 61.1



#26  
 2-Nitrophenol  
 Concen: 9.770 ng  
 RT: 9.56 min Scan# 1118  
 Delta R.T. -0.01 min  
 Lab File: BM017265.D  
 Acq: 20 Oct 2018 15:02

Tgt Ion: 139 Resp: 49757  
 Ion Ratio Lower Upper  
 139 100  
 109 31.9 23.2 34.8  
 65 52.0 40.6 61.0

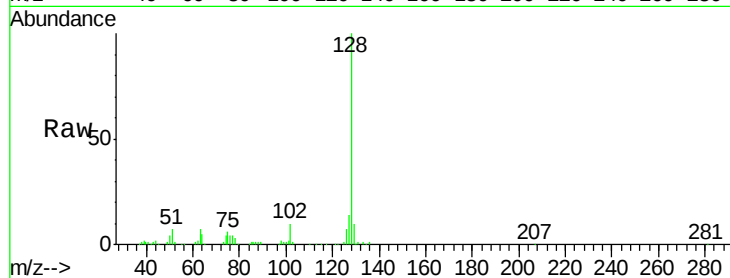




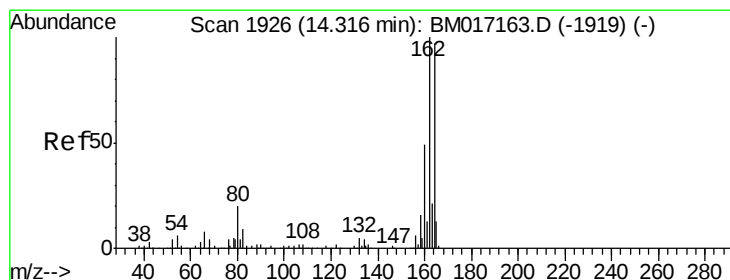
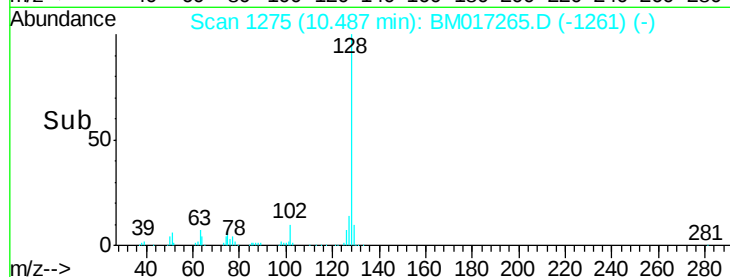
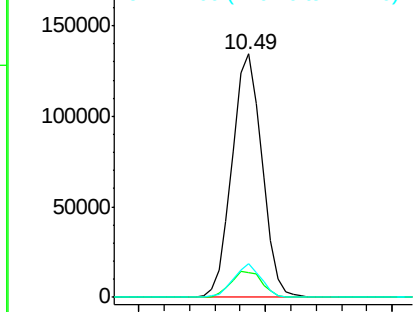
#31  
Naphthalene  
Concen: 3.516 ng  
RT: 10.49 min Scan# 1275  
Delta R.T. -0.02 min  
Lab File: BM017265.D  
Acq: 20 Oct 2018 15:02

Instrument :  
BNA\_M  
ClientSampleId :  
CNL01

Tgt Ion:128 Resp: 219450  
Ion Ratio Lower Upper  
128 100  
129 10.2 8.5 12.7  
127 13.8 10.3 15.5

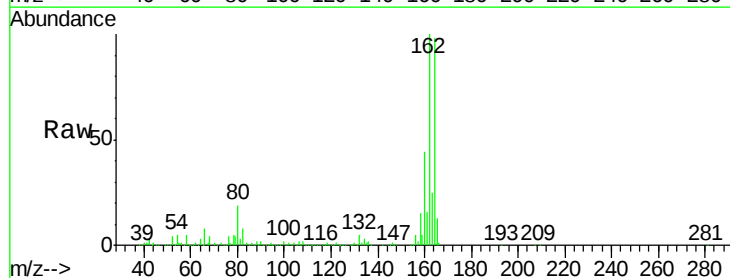


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

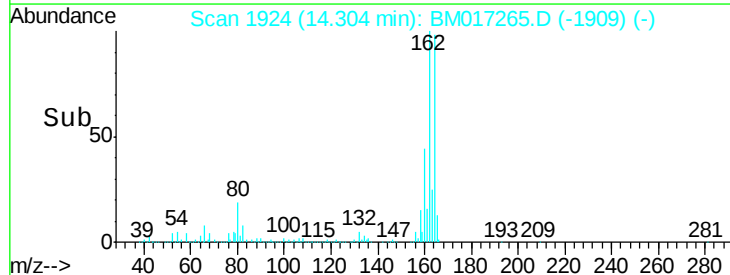
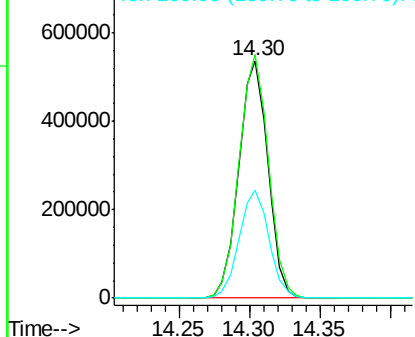


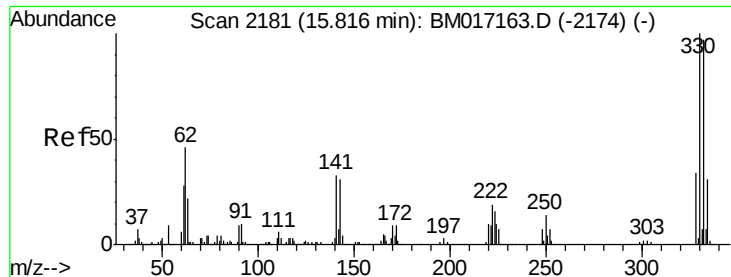
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.30 min Scan# 1924  
Delta R.T. -0.01 min  
Lab File: BM017265.D  
Acq: 20 Oct 2018 15:02

Tgt Ion:164 Resp: 770866  
Ion Ratio Lower Upper  
164 100  
162 102.5 82.1 123.1  
160 45.3 40.2 60.2



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

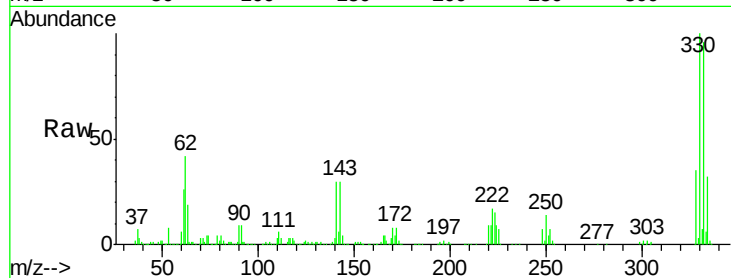




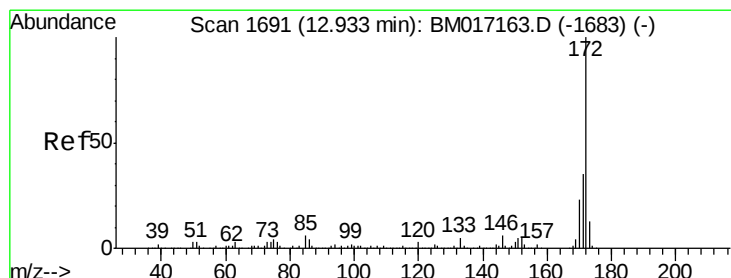
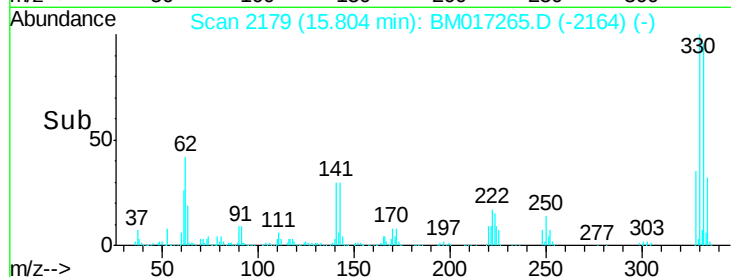
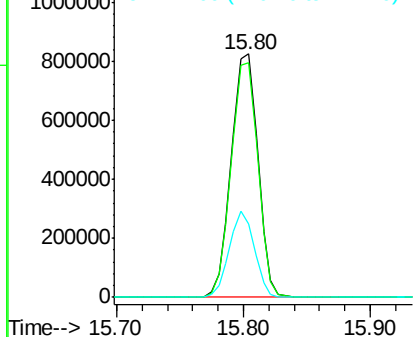
#42  
 2,4,6-Tribromophenol  
 Concen: 115.235 ng  
 RT: 15.80 min Scan# 2179  
 Delta R.T. -0.01 min  
 Lab File: BM017265.D  
 Acq: 20 Oct 2018 15:02

Instrument :  
 BNA\_M  
 ClientSampled :  
 CNL01

Tgt Ion:330 Resp: 1201306  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.3 115.9  
 141 33.3 27.4 41.0

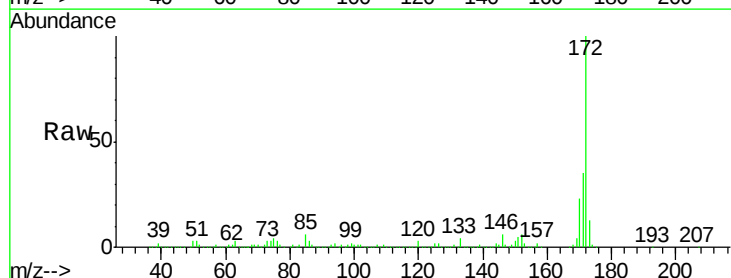


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

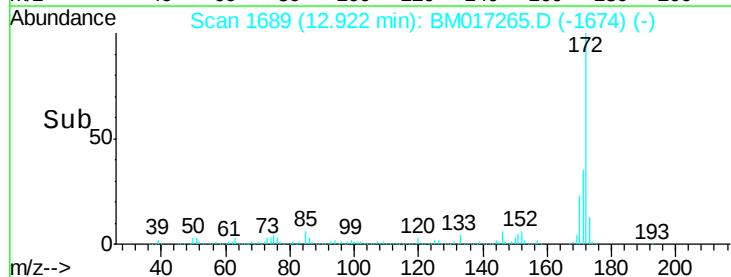
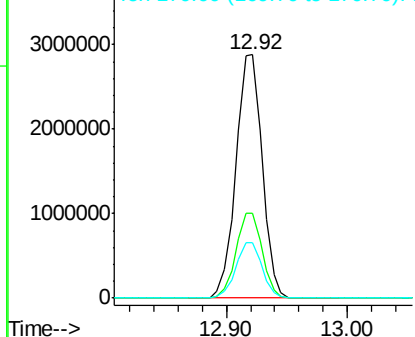


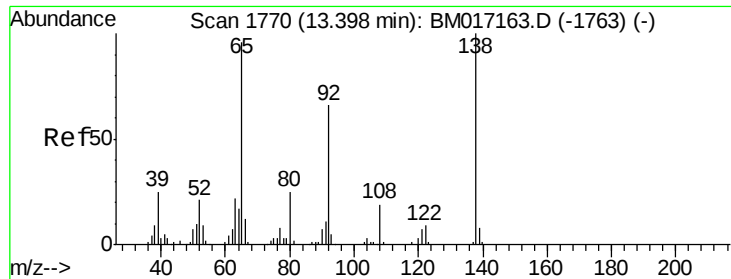
#45  
 2-Fluorobiphenyl  
 Concen: 75.211 ng  
 RT: 12.92 min Scan# 1689  
 Delta R.T. -0.01 min  
 Lab File: BM017265.D  
 Acq: 20 Oct 2018 15:02

Tgt Ion:172 Resp: 4357423  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.3 42.5  
 170 22.9 18.3 27.5



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

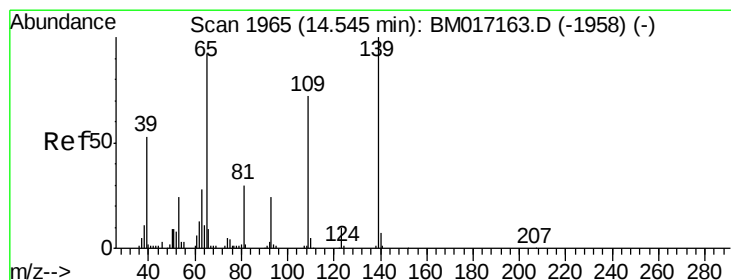
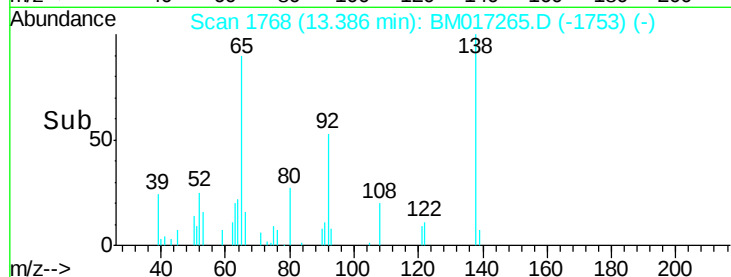
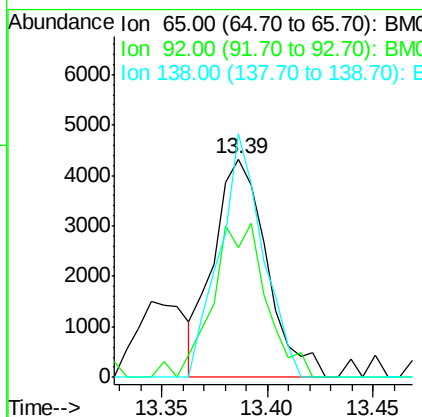
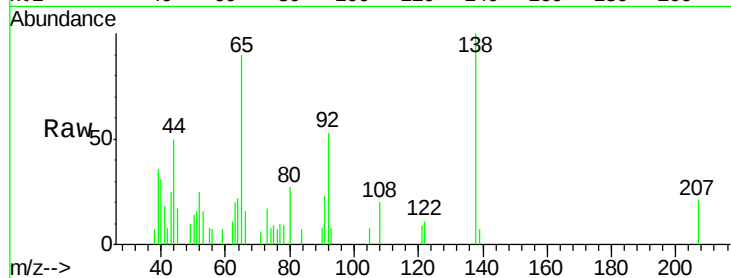




#48  
2-Nitroaniline  
Concen: 6.150 ng  
RT: 13.39 min Scan# 1768  
Delta R.T. -0.01 min  
Lab File: BM017265.D  
Acq: 20 Oct 2018 15:02

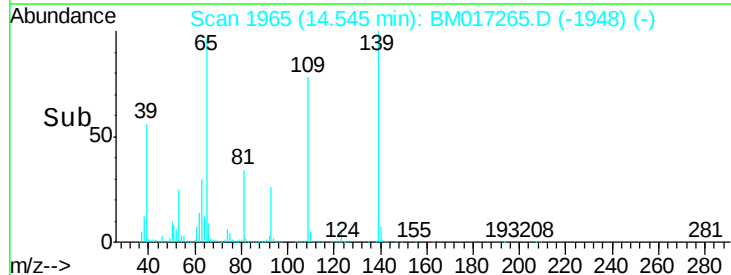
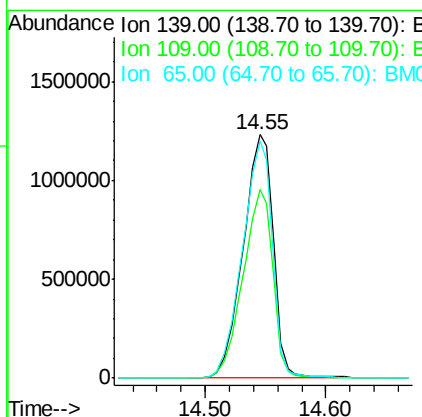
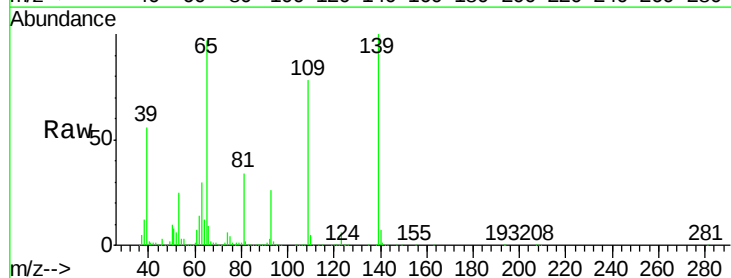
Instrument :  
BNA\_M  
ClientSampleId :  
CNL01

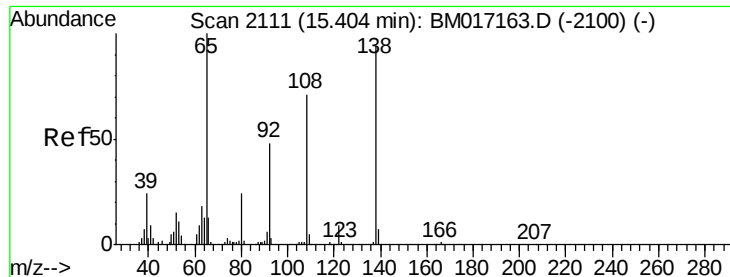
Tgt Ion: 65 Resp: 7560  
Ion Ratio Lower Upper  
65 100  
92 59.7 54.9 82.3  
138 111.7 83.7 125.5



#56  
4-Nitrophenol  
Concen: 161.377 ng  
RT: 14.55 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: BM017265.D  
Acq: 20 Oct 2018 15:02

Tgt Ion: 139 Resp: 2150953  
Ion Ratio Lower Upper  
139 100  
109 77.7 51.8 91.8  
65 97.3 72.1 112.1





#62

4-Nitroaniline

Concen: 5.912 ng

RT: 15.39 min Scan# 2108

Delta R.T. -0.02 min

Lab File: BM017265.D

Acq: 20 Oct 2018 15:02

Instrument :

BNA\_M

ClientSampleId :

CNL01

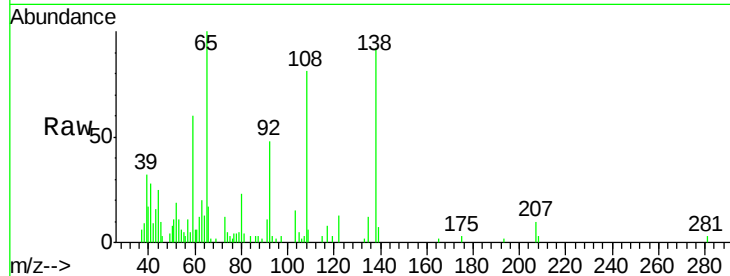
Tgt Ion:138 Resp: 20321

Ion Ratio Lower Upper

138 100

92 52.5 31.2 71.2

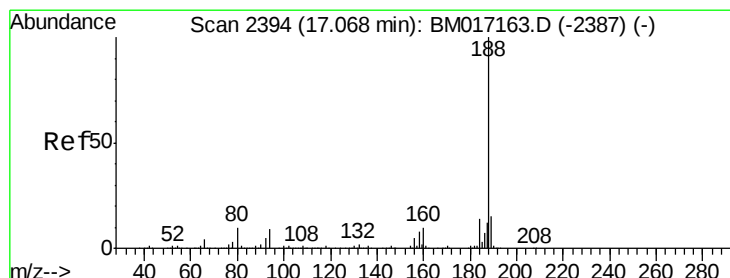
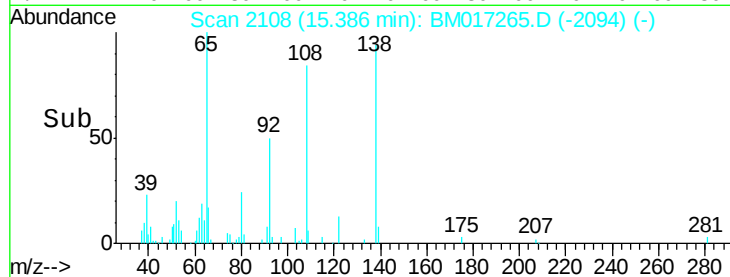
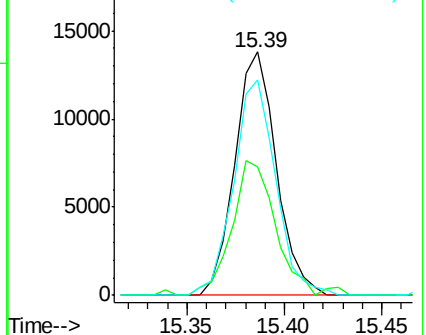
108 88.6 55.5 95.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM017265.D

Acq: 20 Oct 2018 15:02

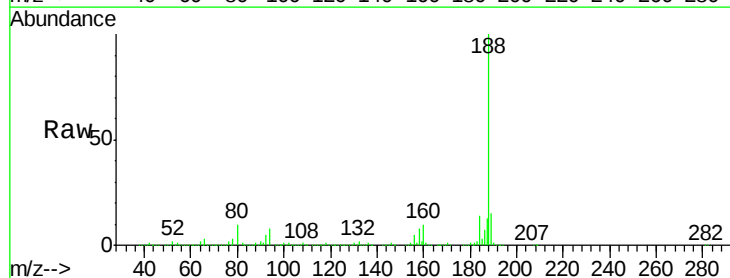
Tgt Ion:188 Resp: 1772899

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

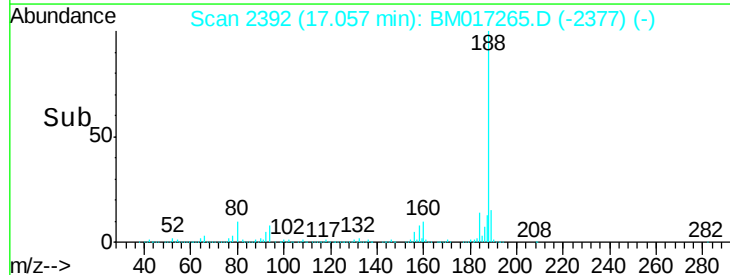
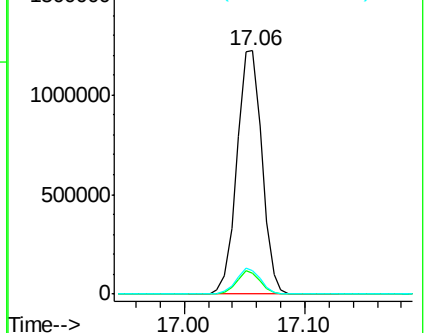
80 9.7 7.7 11.5

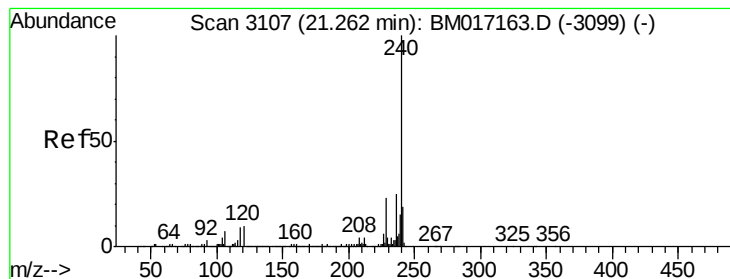


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017265.D

Acq: 20 Oct 2018 15:02

Instrument :

BNA\_M

ClientSampleId :

CNL01

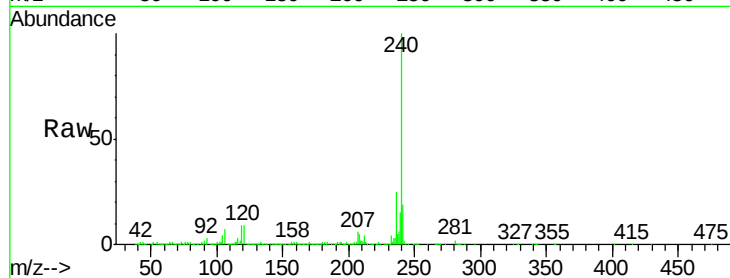
Tgt Ion:240 Resp: 1750790

Ion Ratio Lower Upper

240 100

120 9.5 8.1 12.1

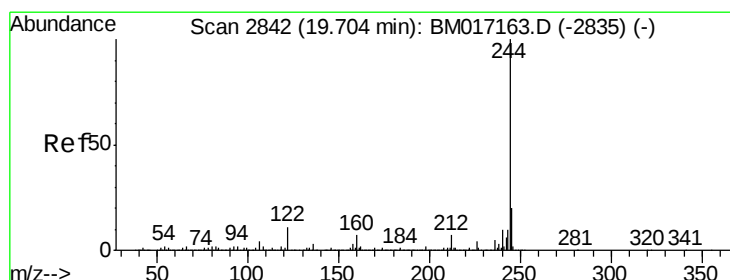
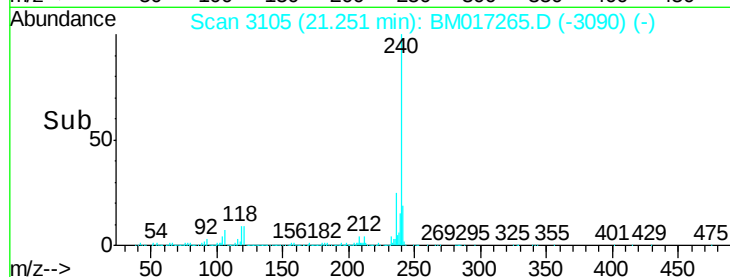
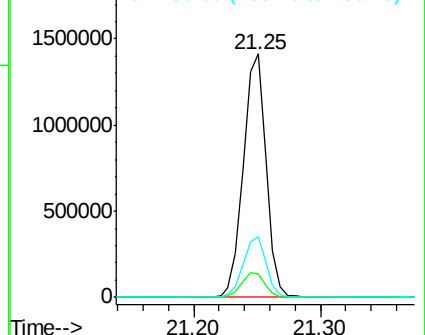
236 24.8 19.9 29.9



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: 89.507 ng

RT: 19.69 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BM017265.D

Acq: 20 Oct 2018 15:02

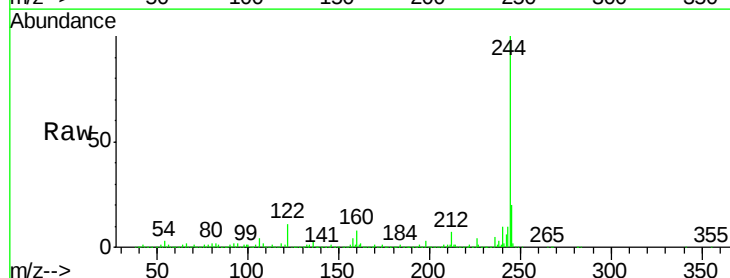
Tgt Ion:244 Resp: 6952397

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

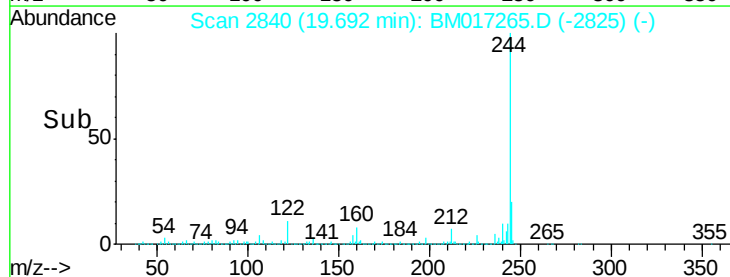
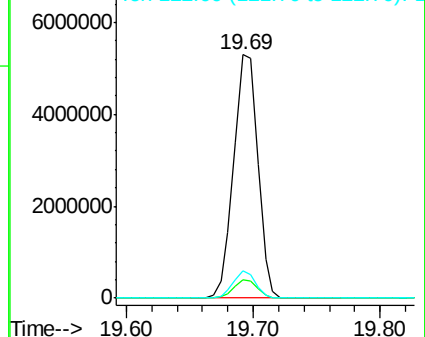
122 11.0 8.4 12.6

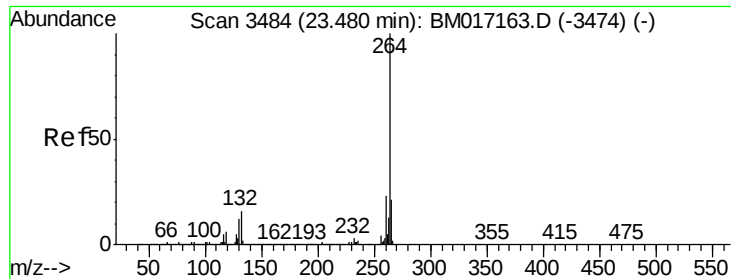


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.46 min Scan# 3481  
Delta R.T. -0.02 min  
Lab File: BM017265.D  
Acq: 20 Oct 2018 15:02

Instrument :  
BNA\_M  
ClientSampleId :  
CNL01

Tgt Ion: 264 Resp: 1572250  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 18.6  | 27.8  |
| 265 | 21.4  | 17.8  | 26.8  |

