

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082718\  
 Data File : BM016613.D  
 Acq On : 27 Aug 2018 19:04  
 Operator : SJ/JU  
 Sample : J4652-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 28 03:56:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 27 13:01:22 2018  
 Response via : Initial Calibration

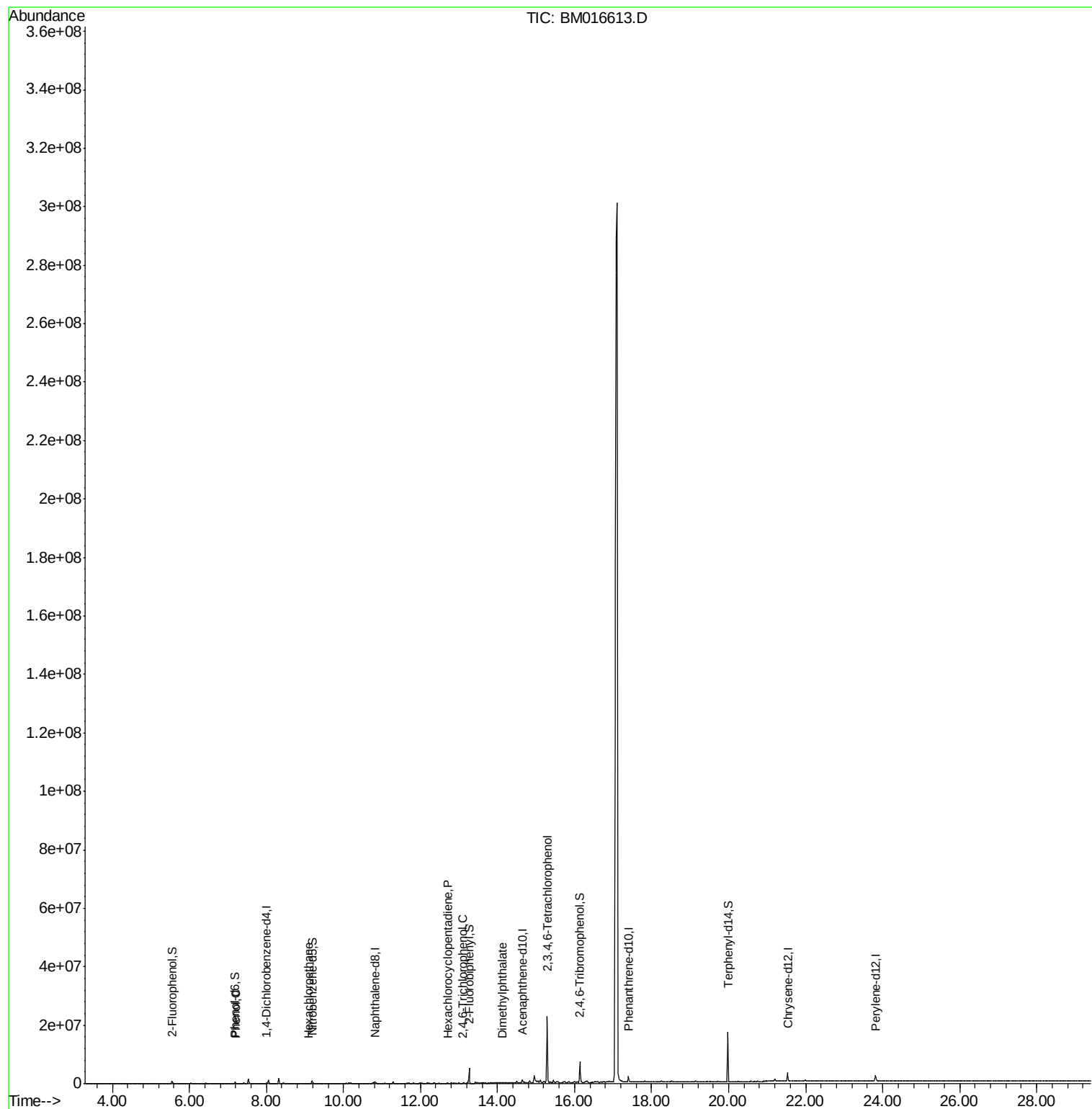
| Internal Standards            | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.00  | 152  | 104455   | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.81 | 136  | 385779   | 20.00   | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.65 | 164  | 320539   | 20.00   | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.40 | 188  | 1061163  | 20.00   | ng    | 0.02     |
| 75) Chrysene-d12              | 21.53 | 240  | 1334688  | 20.00   | ng    | 0.00     |
| 86) Perylene-d12              | 23.81 | 264  | 1371006  | 20.00   | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.55  | 112  | 292198   | 54.82   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.19  | 99   | 231734   | 32.85   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.19  | 82   | 626384   | 74.14   | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.14 | 330  | 1222745  | 136.46  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.26 | 172  | 2398452  | 71.92   | ng    | 0.00     |
| 78) Terphenyl-d14             | 19.98 | 244  | 6530398  | 103.56  | ng    | 0.00     |
| Target Compounds              |       |      |          |         |       |          |
| 10) Phenol                    | 7.21  | 94   | 21551    | 3.089   | ng    | # 64     |
| 18) Hexachloroethane          | 9.10  | 117  | 11362    | 2.858   | ng    | # 12     |
| 40) Hexachlorocyclopentadiene | 12.72 | 237  | 108      | 6.121   | ng    | # 28     |
| 42) 2,4,6-Trichlorophenol     | 13.10 | 196  | 29590    | 2.733   | ng    | # 93     |
| 49) Dimethylphthalate         | 14.11 | 163  | 78053    | 2.535   | ng    | # 93     |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232  | 4751973  | 467.549 | ng    | # 100    |

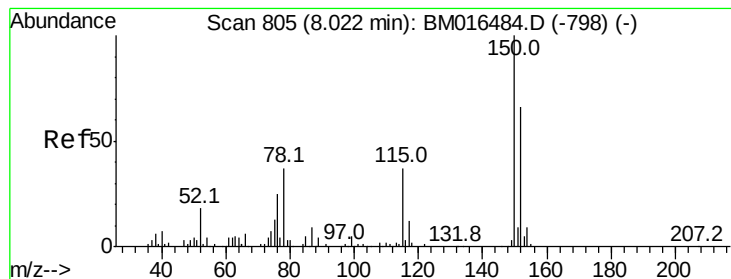
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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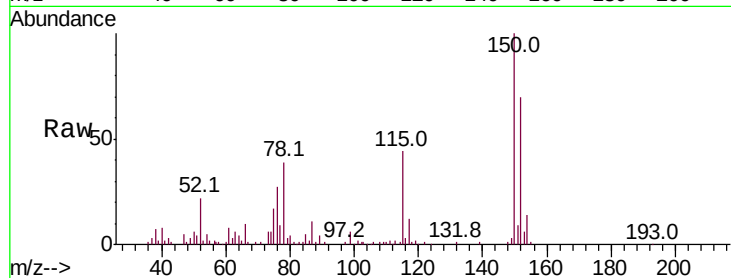


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

Instrument :  
BNA\_M  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 142.2 | 119.5 | 179.3 |
| 115     | 62.2  | 43.0  | 64.4  |

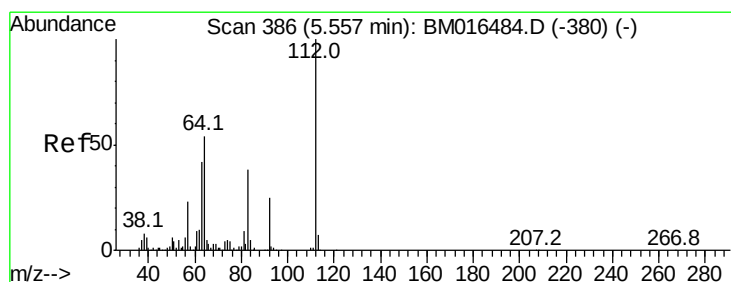
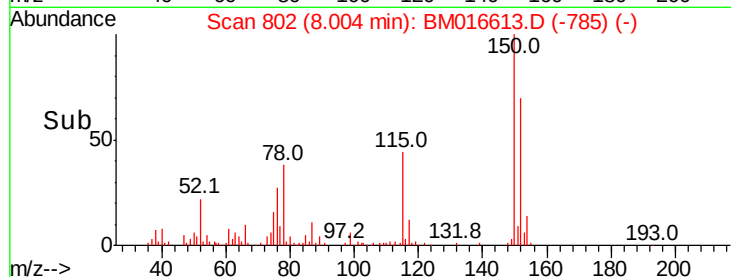
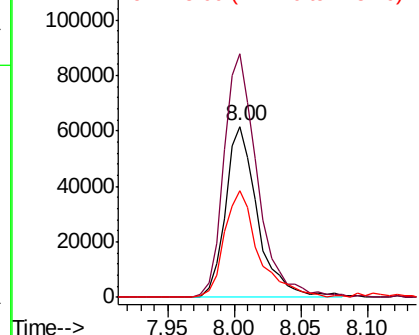


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

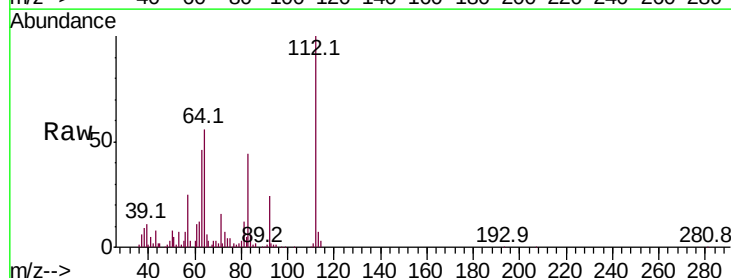
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 54.817 ng  
RT: 5.55 min Scan# 385  
Delta R.T. 0.01 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.7  | 38.6  | 57.8  |
| 63      | 46.2  | 19.3  | 28.9  |

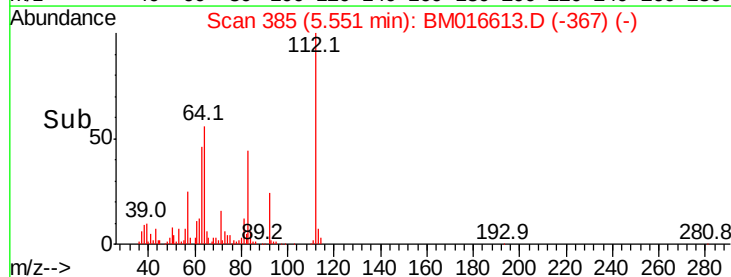
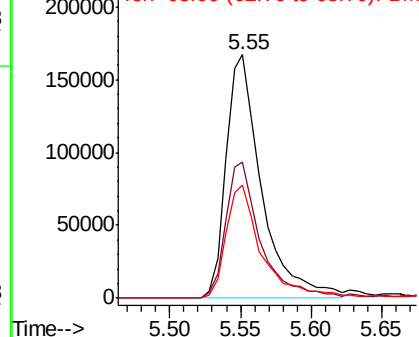


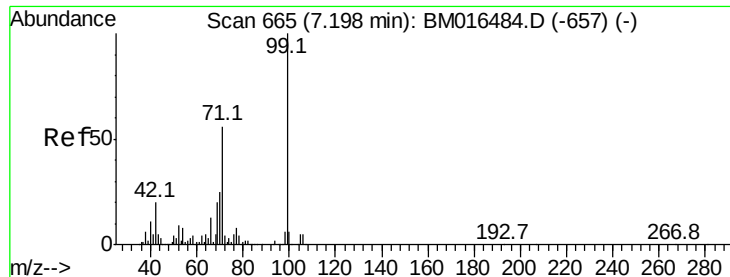
Abundance

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: 32.853 ng

RT: 7.19 min Scan# 663

Delta R.T. 0.01 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

Instrument :

BNA\_M

ClientSampleId :

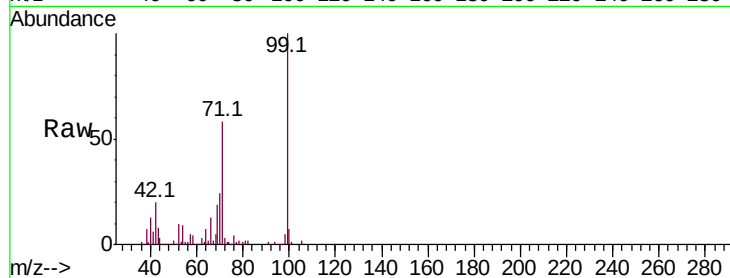
Tot Ion: 99 Resp: 231734

Ion Ratio Lower Upper

99 100

42 19.6 11.0 16.4#

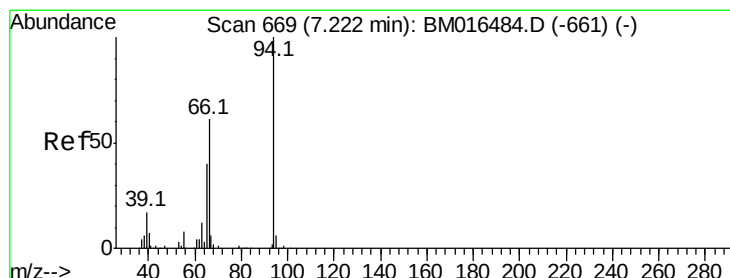
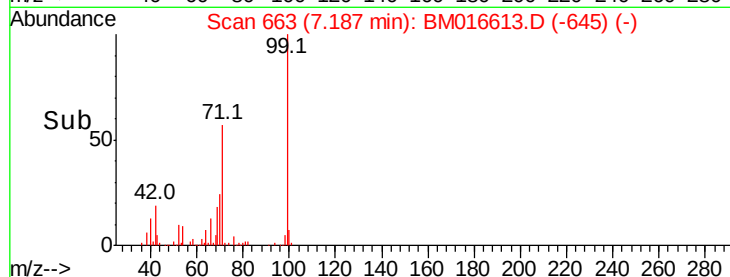
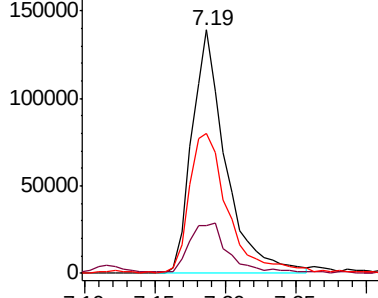
71 57.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016613.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM016613.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM016613.D (-657) (-)



#10

Phenol

Concen: 3.089 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

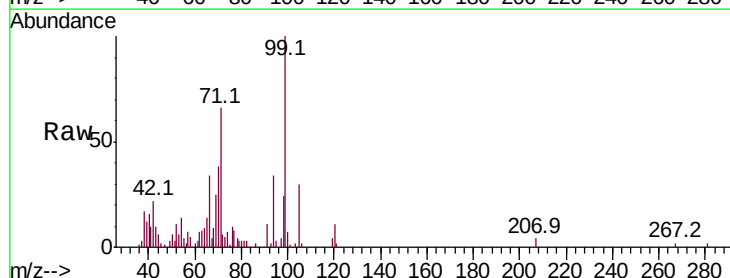
Tgt Ion: 94 Resp: 21551

Ion Ratio Lower Upper

94 100

65 41.3 18.8 58.8

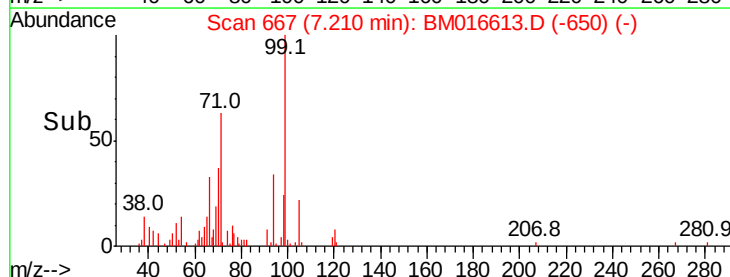
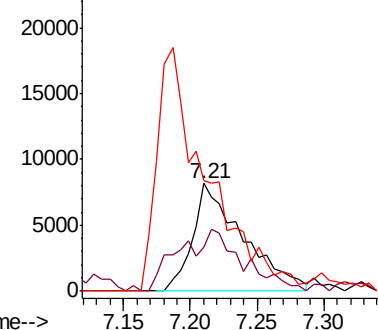
66 102.6 39.9 79.9#

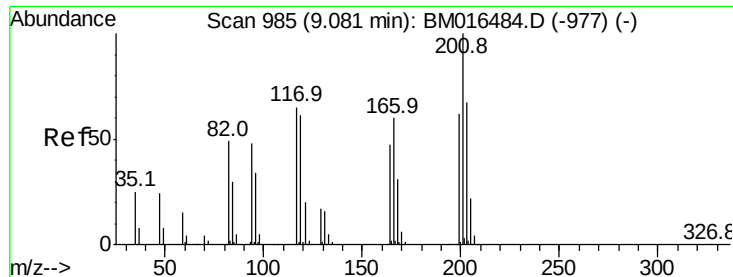


Abundance Ion 94.00 (93.70 to 94.70): BM016613.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM016613.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM016613.D (-650) (-)

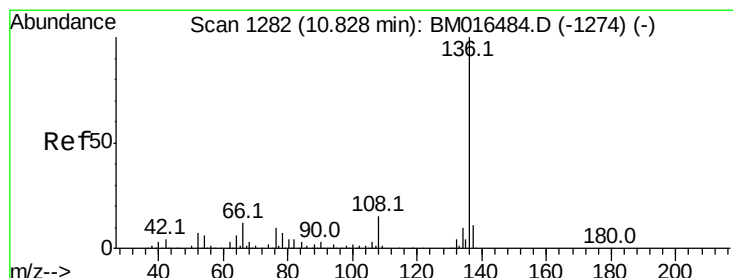
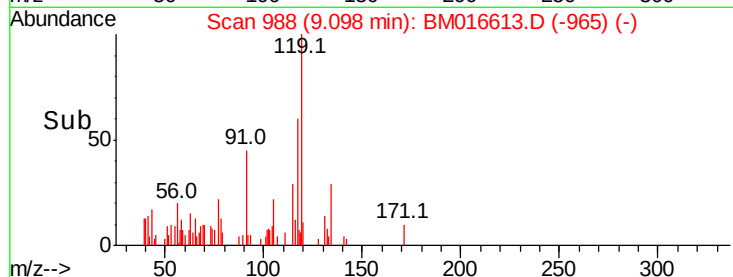
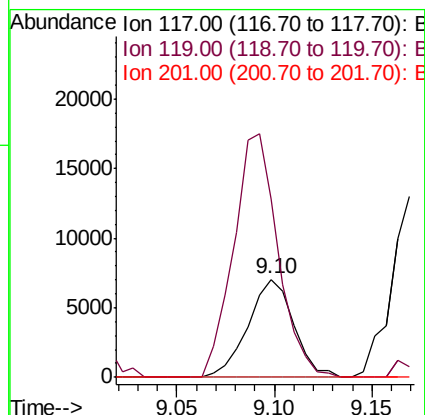
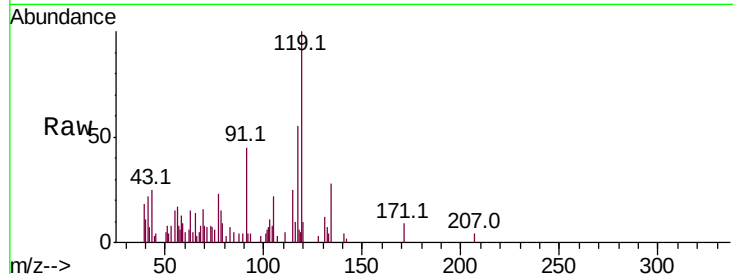




#18  
Hexachloroethane  
Concen: 2.858 ng  
RT: 9.10 min Scan# 988  
Delta R.T. 0.04 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

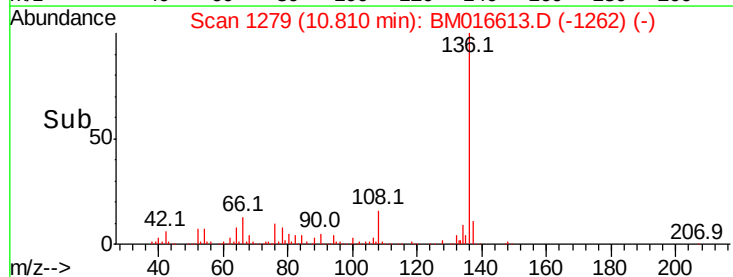
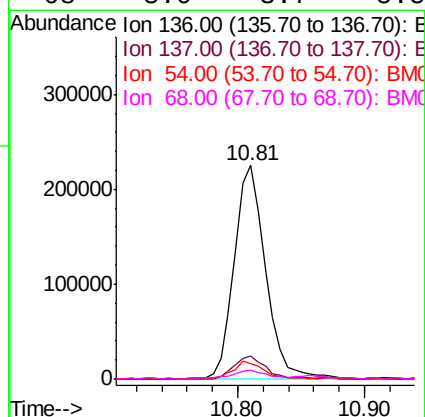
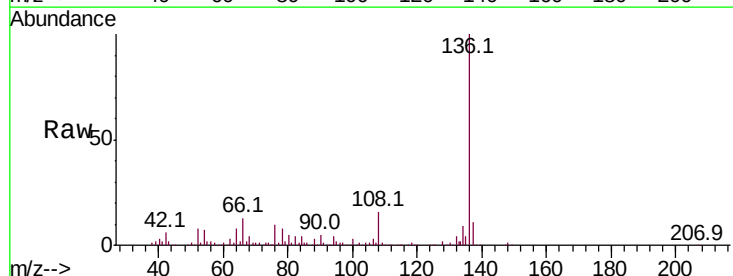
Instrument :  
BNA\_M  
ClientSampleId :

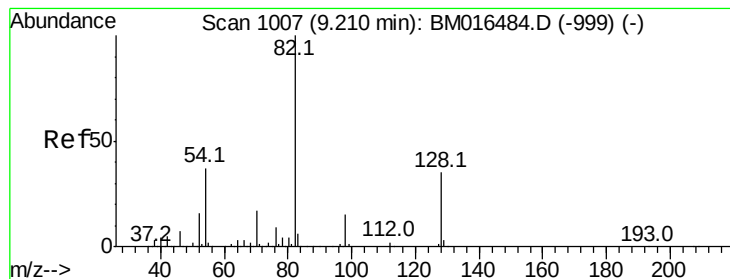
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 181.5 | 79.2  | 118.8# |
| 201     | 0.0   | 69.8  | 104.6# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.81 min Scan# 1279  
Delta R.T. -0.00 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 8.7   | 13.1  |
| 54      | 7.2   | 4.6   | 6.8#  |
| 68      | 3.9   | 3.7   | 5.5   |





#23

Nitrobenzene-d5

Concen: 74.136 ng

RT: 9.19 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

Instrument :

BNA\_M

ClientSampled :

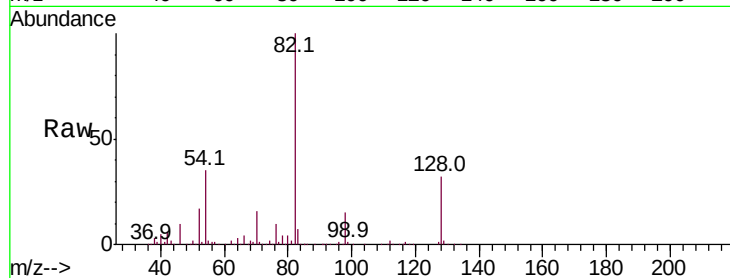
Tot Ion: 82 Resp: 626384

Ion Ratio Lower Upper

82 100

128 31.9 32.8 49.2#

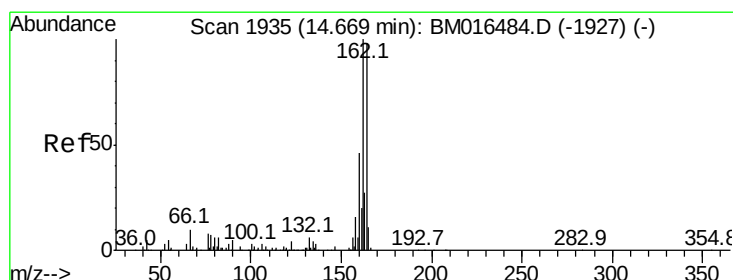
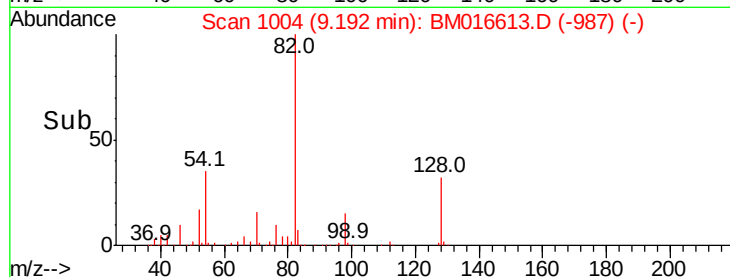
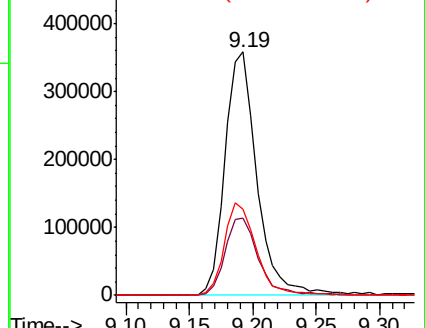
54 35.5 40.6 60.8#



Abundance Ion 82.00 (81.70 to 82.70): BM016613.D (-999) (-)

Ion 128.00 (127.70 to 128.70): BM016613.D (-999) (-)

Ion 54.00 (53.70 to 54.70): BM016613.D (-999) (-)



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

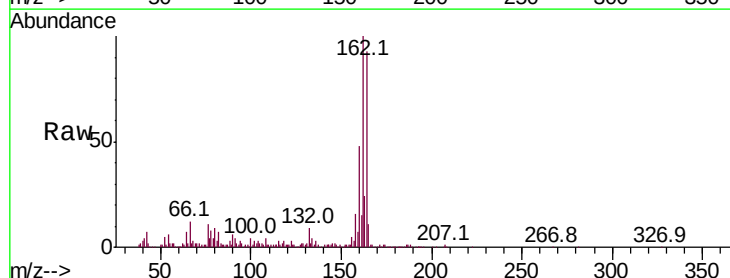
Tgt Ion:164 Resp: 320539

Ion Ratio Lower Upper

164 100

162 107.5 82.4 123.6

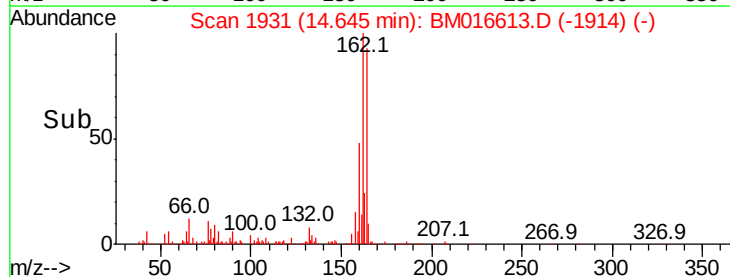
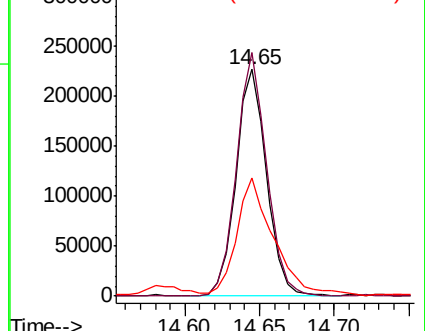
160 52.0 35.8 53.6

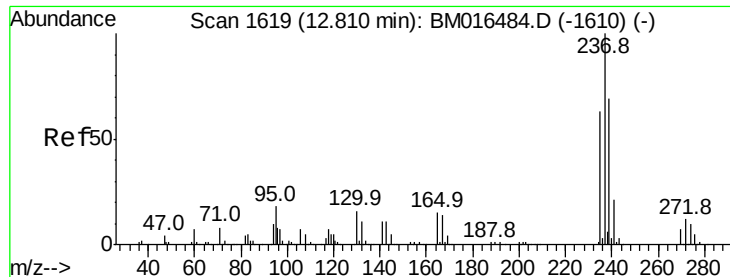


Abundance Ion 164.00 (163.70 to 164.70): BM016613.D (-1914) (-)

Ion 162.00 (161.70 to 162.70): BM016613.D (-1914) (-)

Ion 160.00 (159.70 to 160.70): BM016613.D (-1914) (-)





#40

Hexachlorocyclopentadiene

Concen: 6.121 ng

RT: 12.72 min Scan# 1604

Delta R.T. -0.06 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

Instrument :

BNA\_M

ClientSampleId :

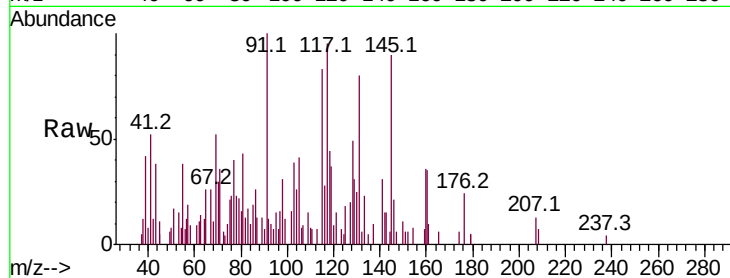
Tot Ion:237 Resp: 108

Ion Ratio Lower Upper

237 100

235 0.0 42.0 82.0#

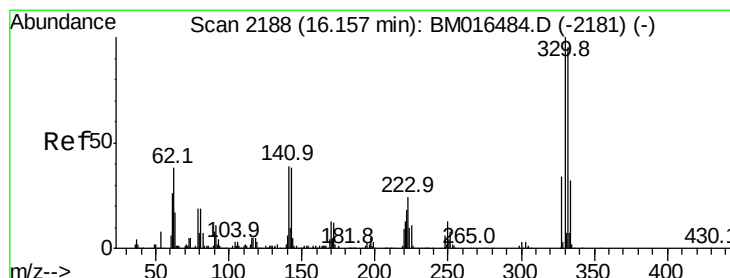
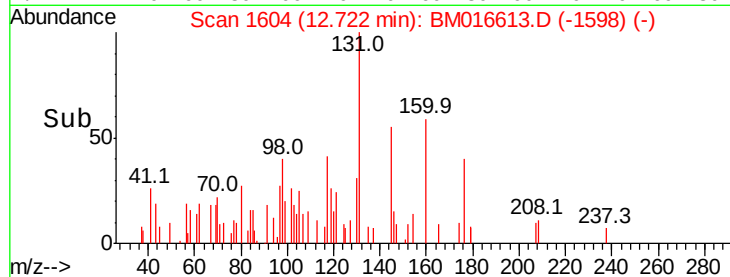
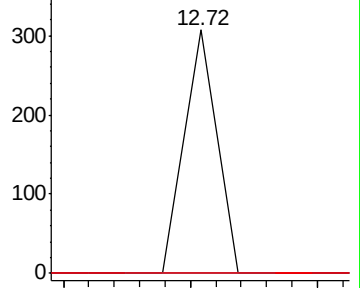
272 0.0 0.0 33.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 136.461 ng

RT: 16.14 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

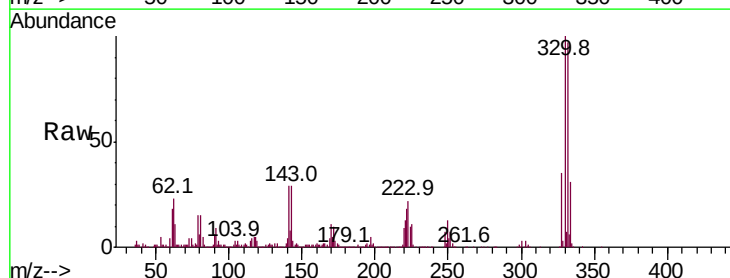
Tgt Ion:330 Resp: 1222745

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

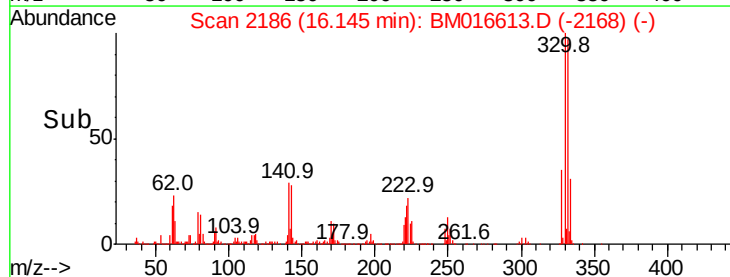
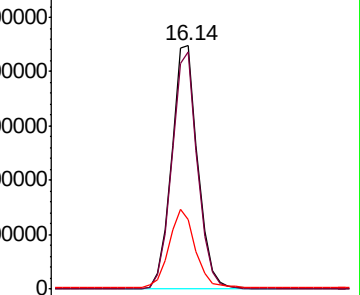
141 32.9 0.0 0.0#

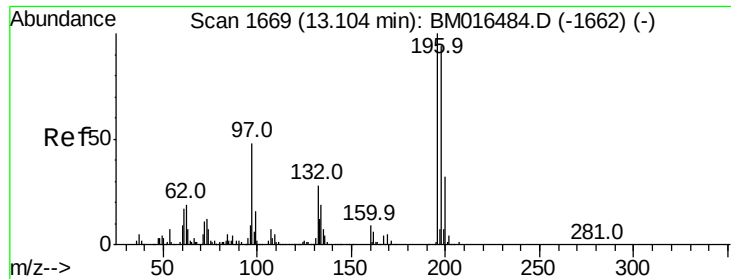


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

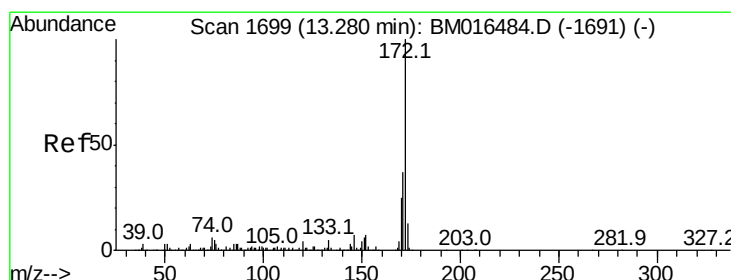
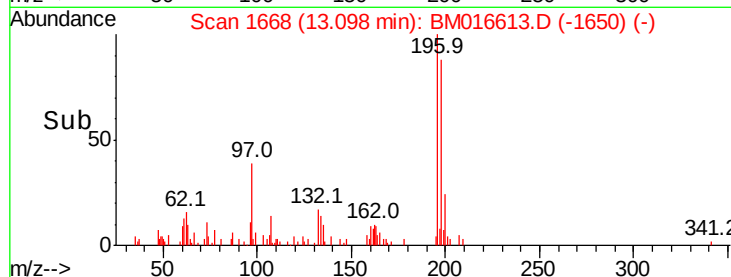
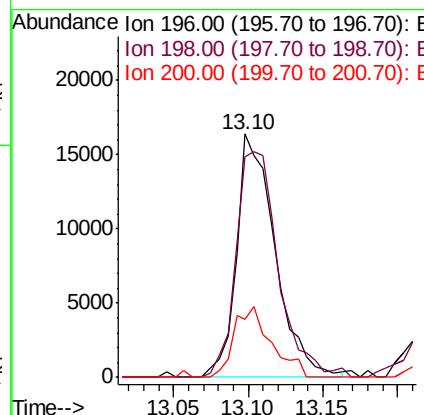
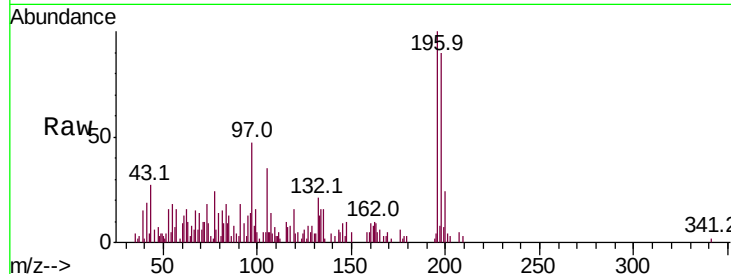




#42  
2,4,6-Trichlorophenol  
Concen: 2.733 ng  
RT: 13.10 min Scan# 1668  
Delta R.T. 0.01 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

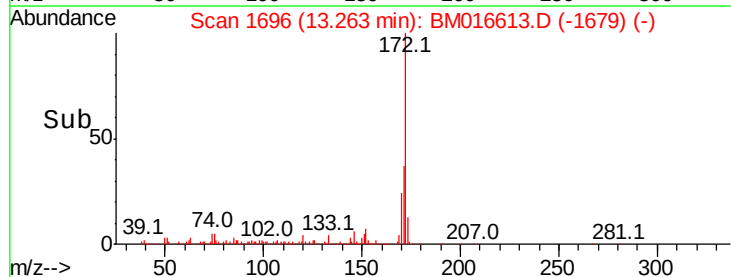
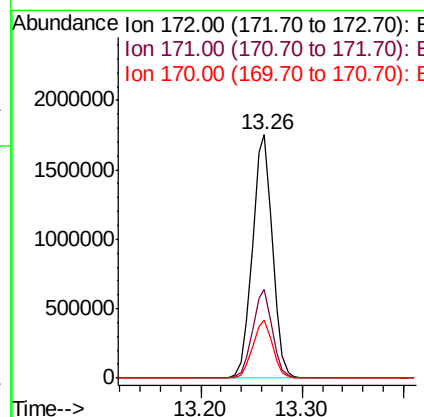
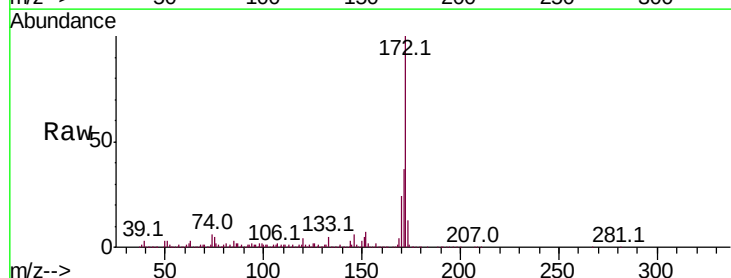
Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 90.4  | 76.3  | 114.5 |
| 200     | 24.1  | 25.6  | 38.4  |

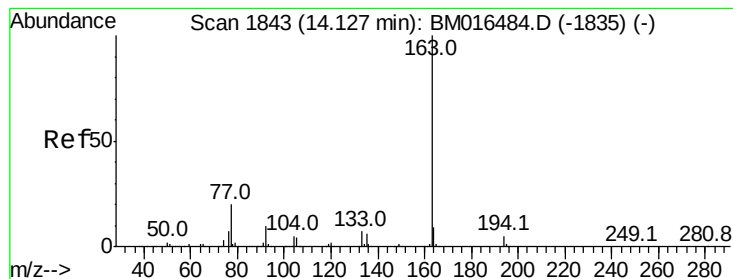


#44  
2-Fluorobiphenyl  
Concen: 71.924 ng  
RT: 13.26 min Scan# 1696  
Delta R.T. -0.00 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 28.5  | 42.7  |
| 170     | 23.9  | 18.8  | 28.2  |







#49

Dimethylphthalate

Concen: 2.535 ng

RT: 14.11 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

Instrument :

BNA\_M

ClientSampleId :

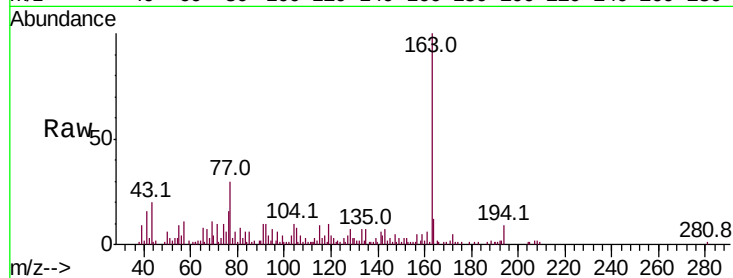
Tot Ion:163 Resp: 78053

Ion Ratio Lower Upper

163 100

194 9.2 2.7 4.1#

164 11.6 8.2 12.2

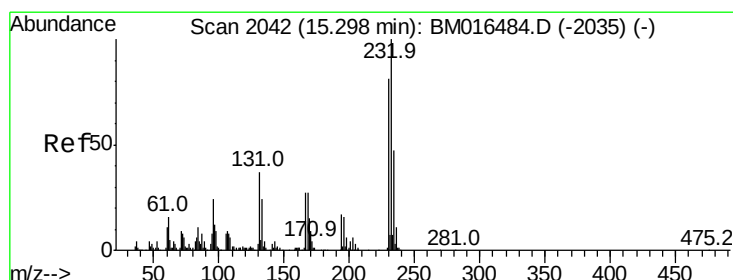
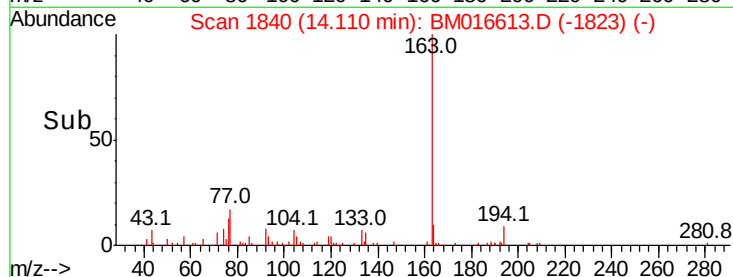
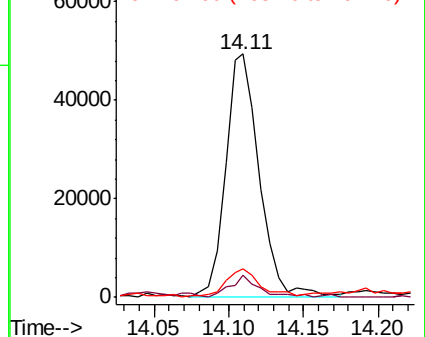


Abundance

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



#58

2,3,4,6-Tetrachlorophenol

Concen: 467.549 ng

RT: 15.29 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

Tgt Ion:232 Resp: 4751973

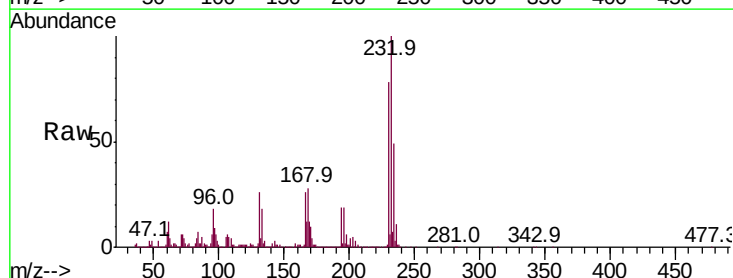
Ion Ratio Lower Upper

232 100

131 25.8 0.0 0.0#

130 2.3 0.0 0.0#

166 24.8 0.0 0.0#



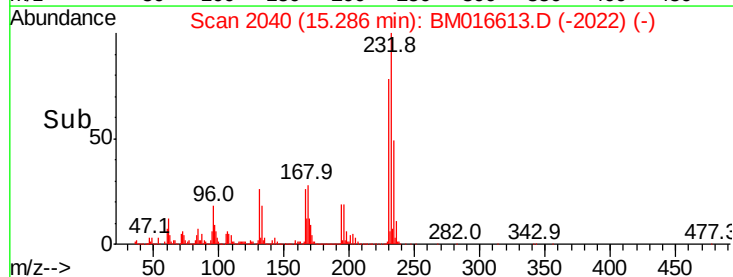
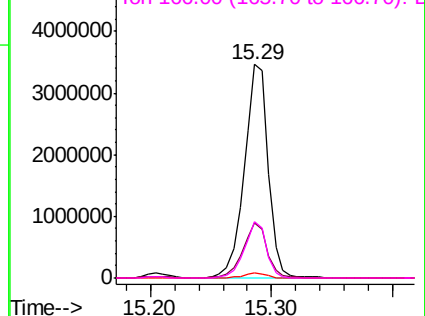
Abundance

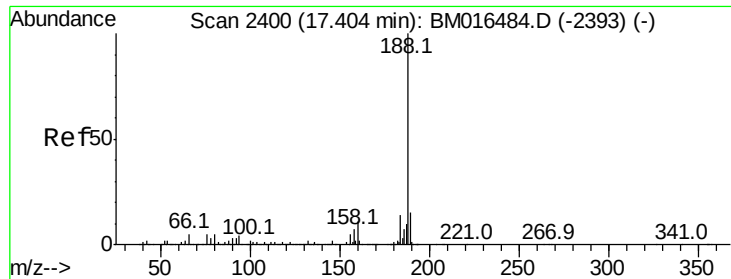
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

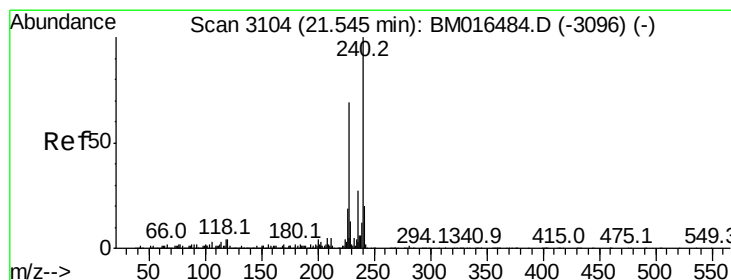
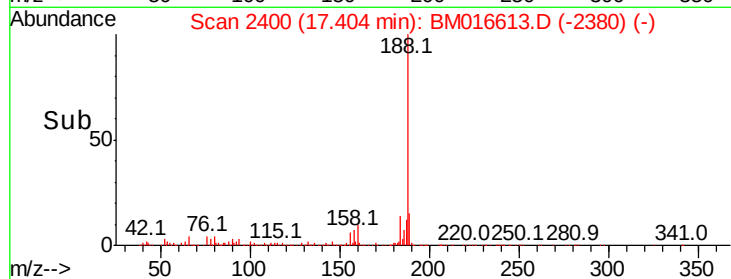
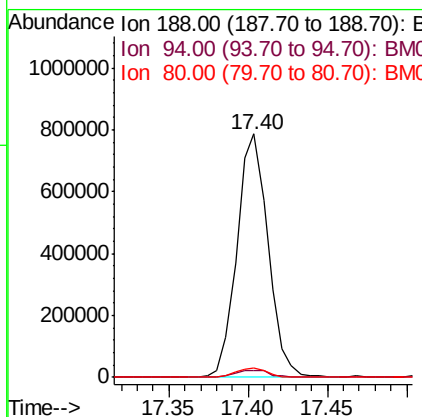
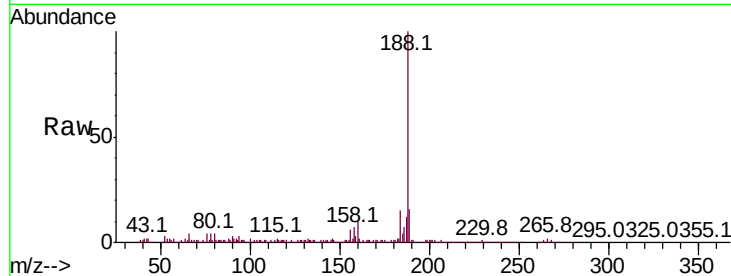




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2400  
Delta R.T. 0.02 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

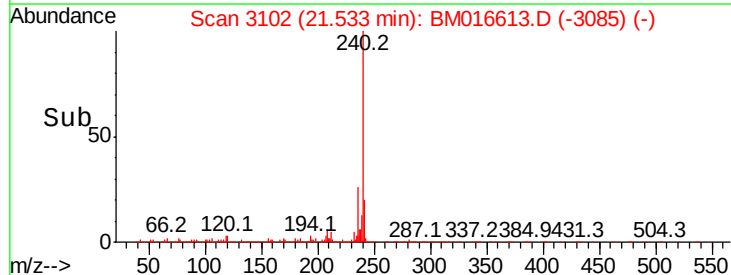
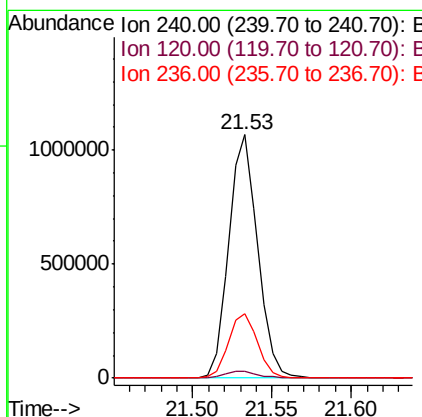
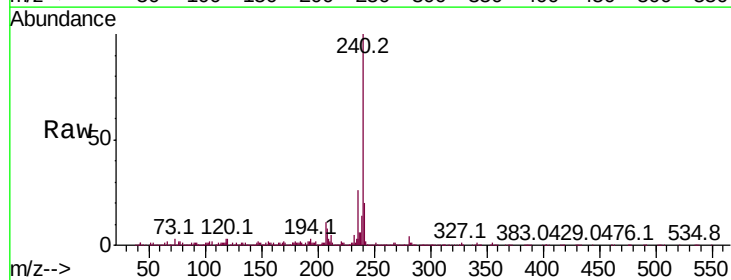
Instrument :  
BNA\_M  
ClientSampleId :

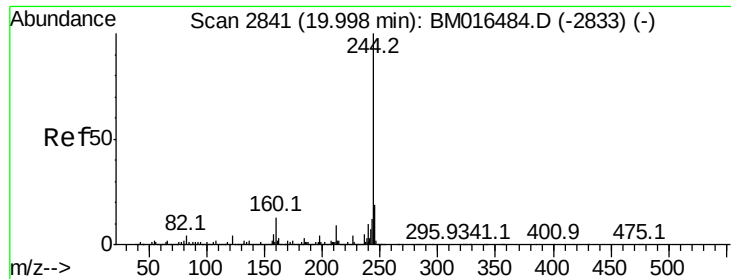
Tot Ion:188 Resp: 1061163  
Ion Ratio Lower Upper  
188 100  
94 3.0 8.7 13.1#  
80 4.0 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.53 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: BM016613.D  
Acq: 27 Aug 2018 19:04

Tgt Ion:240 Resp: 1334688  
Ion Ratio Lower Upper  
240 100  
120 2.7 8.2 12.2#  
236 26.4 20.0 30.0





#78

Terphenyl-d14

Concen: 103.560 ng

RT: 19.98 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

Instrument :

BNA\_M

ClientSampleId :

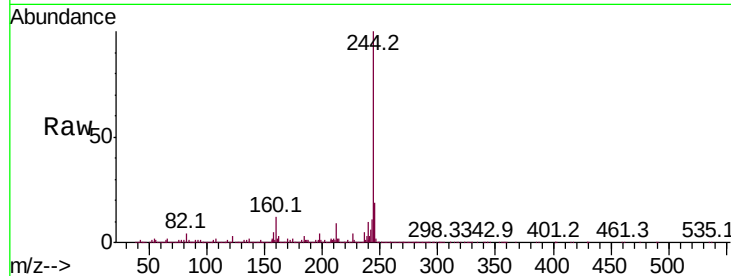
Tot Ion:244 Resp: 6530398

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.1   | 4.9   | 7.3#  |
| 122 | 3.4   | 6.2   | 9.4#  |

244 100

212 9.1 4.9 7.3#

122 3.4 6.2 9.4#

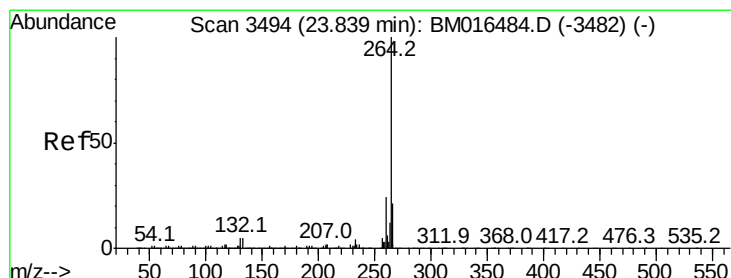
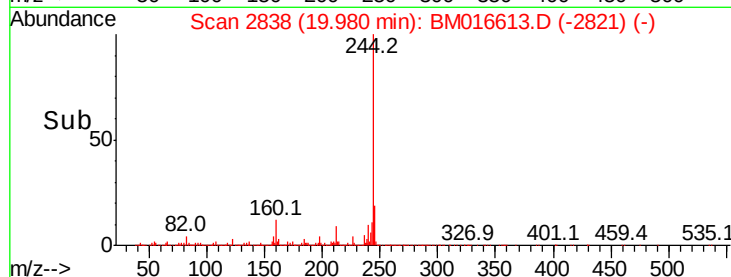
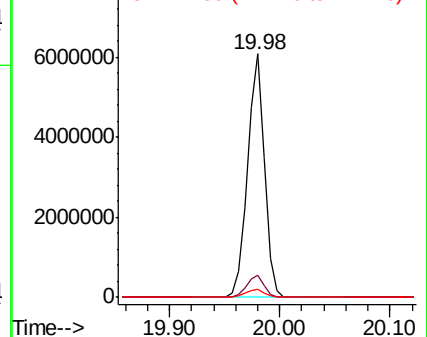


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.81 min Scan# 3490

Delta R.T. -0.00 min

Lab File: BM016613.D

Acq: 27 Aug 2018 19:04

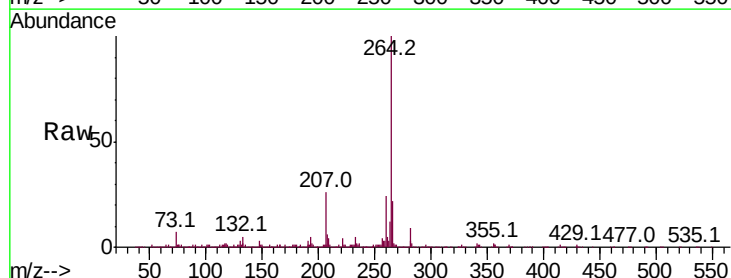
Tgt Ion:264 Resp: 1371006

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 18.6  | 27.8  |
| 265 | 22.1  | 17.3  | 25.9  |

264 100

260 23.6 18.6 27.8

265 22.1 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

