

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM071118\  
 Data File : BM015907.D  
 Acq On : 12 Jul 2018 10:18  
 Operator : SJ/JU  
 Sample : J3832-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-071018

Quant Time: Jul 12 10:55:48 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM070518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 05 17:39:50 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 66598    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.12 | 136  | 248226   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.91 | 164  | 127588   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.64 | 188  | 265953   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.74 | 240  | 241979   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.14 | 264  | 251117   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.79  | 112  | 587557   | 151.30 | ng    | -0.02    |
| 7) Phenol-d6                | 7.44  | 99   | 660761   | 124.29 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.47  | 82   | 592840   | 116.53 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.39 | 330  | 268548   | 161.09 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 1160814  | 112.95 | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.20 | 244  | 1589178  | 121.82 | ng    | -0.02    |

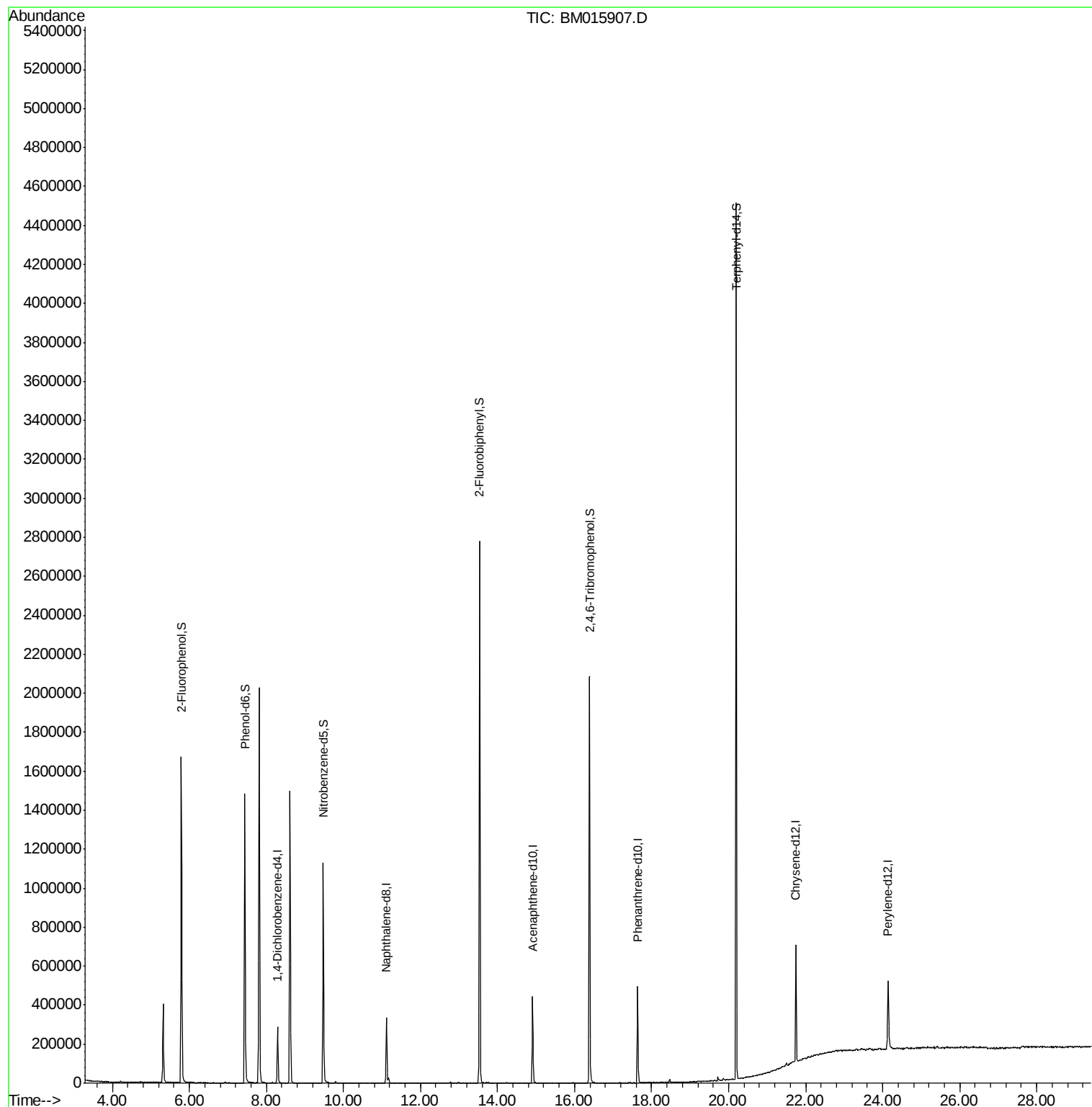
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

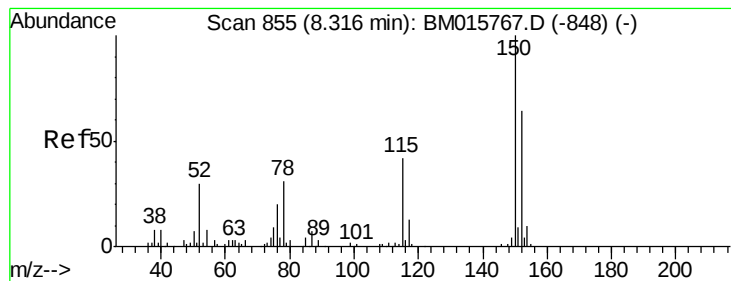
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 25 Sample Multiplier: 1

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Quant Time: Jul 12 10:55:48 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 05 17:39:50 2018  
Response via : Initial Calibration



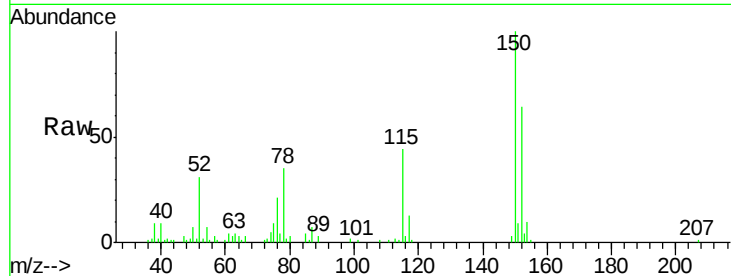


#1

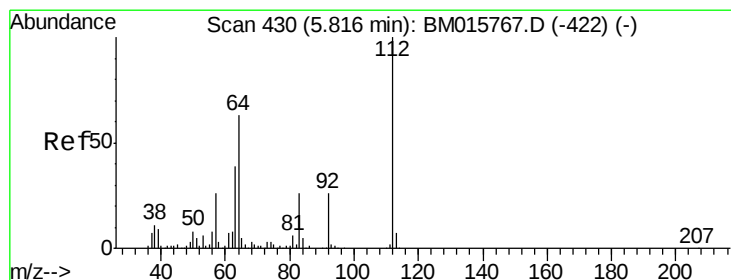
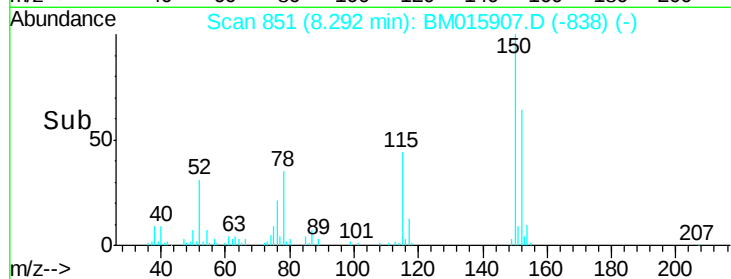
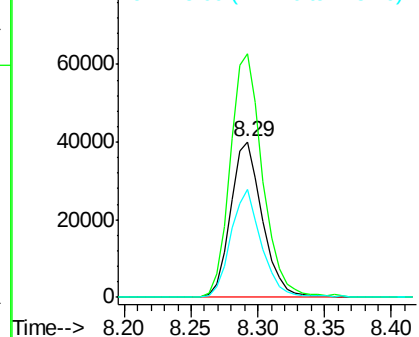
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.29 min Scan# 851  
Delta R.T. -0.02 min  
Lab File: BM015907.D  
Acq: 12 Jul 2018 10:18

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-071018

Tgt Ion:152 Resp: 66598  
Ion Ratio Lower Upper  
152 100  
150 156.5 119.5 179.3  
115 69.1 43.0 64.4#



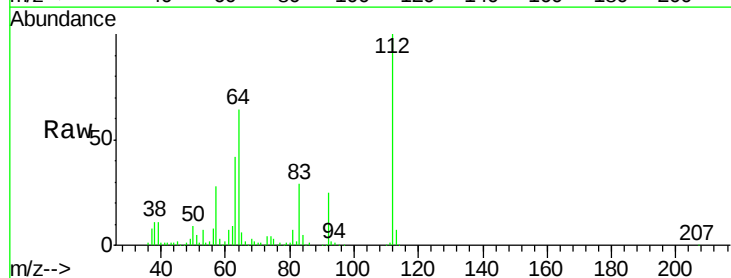
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



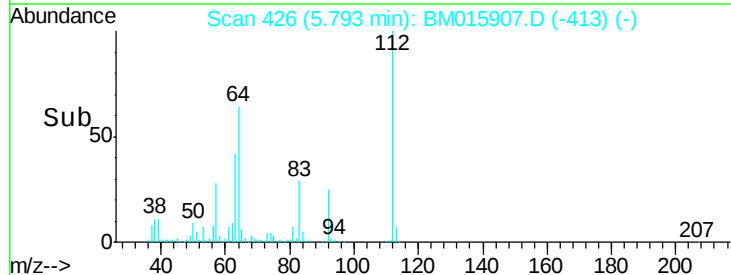
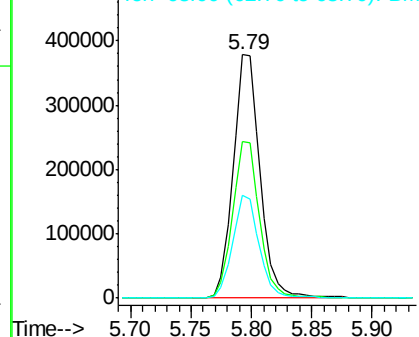
#5

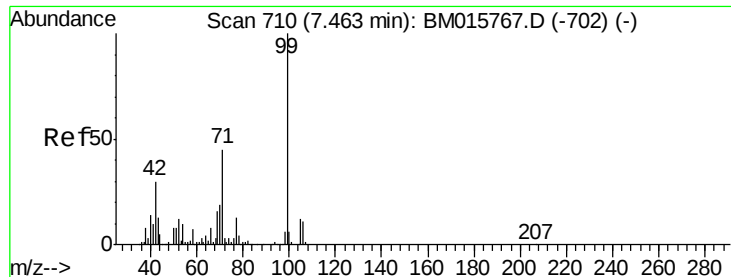
2-Fluorophenol  
Concen: Below ng  
RT: 5.79 min Scan# 426  
Delta R.T. -0.02 min  
Lab File: BM015907.D  
Acq: 12 Jul 2018 10:18

Tgt Ion:112 Resp: 587557  
Ion Ratio Lower Upper  
112 100  
64 64.5 38.6 57.8#  
63 42.4 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: N.D. ng

RT: 7.44 min Scan# 706

Delta R.T. -0.02 min

Lab File: BM015907.D

Acq: 12 Jul 2018 10:18

Instrument :

BNA\_F

ClientSampleId :

TR-05-071018

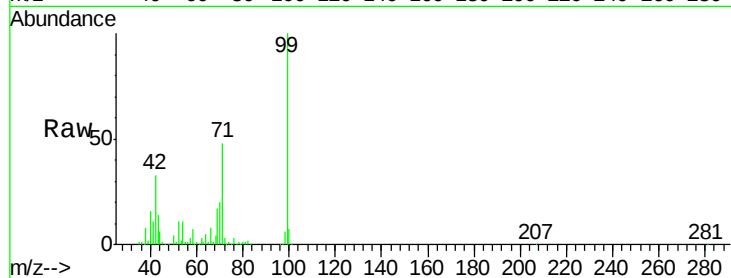
Tgt Ion: 99 Resp: 660761

Ion Ratio Lower Upper

99 100

42 33.1 11.0 16.4#

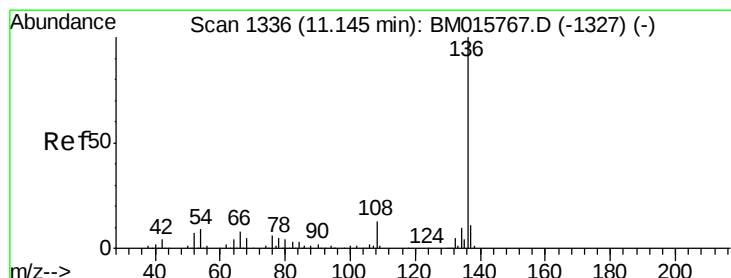
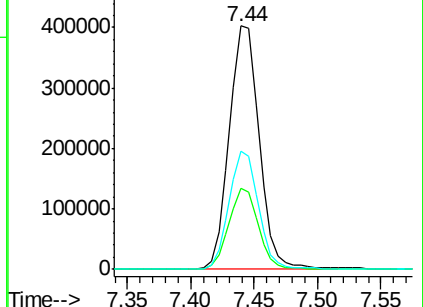
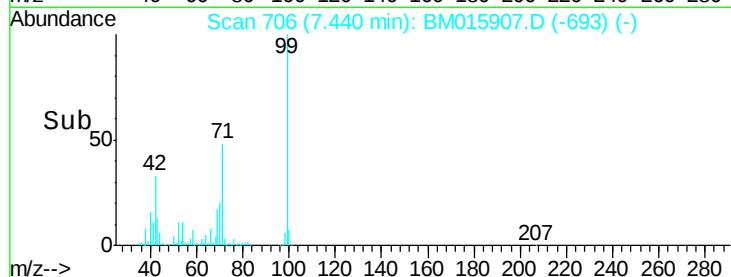
71 48.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015907.D (-693) (-)

Ion 42.00 (41.70 to 42.70): BM015907.D (-693) (-)

Ion 71.00 (70.70 to 71.70): BM015907.D (-693) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.12 min Scan# 1331

Delta R.T. -0.03 min

Lab File: BM015907.D

Acq: 12 Jul 2018 10:18

Tgt Ion: 136 Resp: 248226

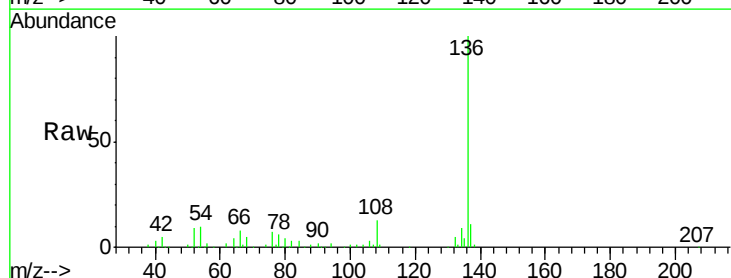
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.0 4.6 6.8#

68 5.0 3.7 5.5

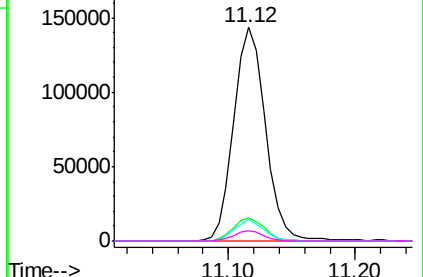
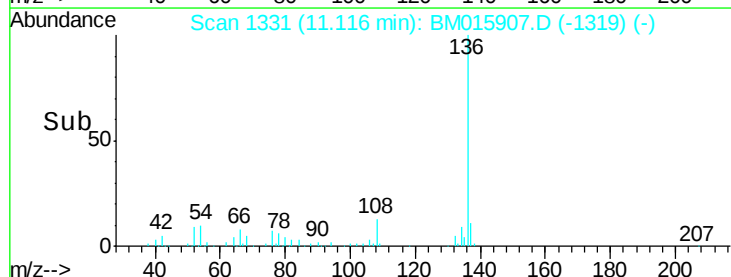


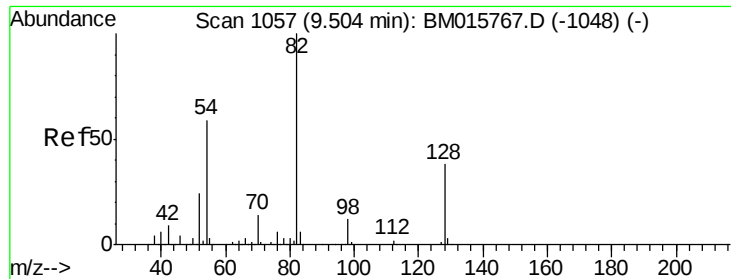
Abundance Ion 136.00 (135.70 to 136.70): BM015907.D (-1319) (-)

Ion 137.00 (136.70 to 137.70): BM015907.D (-1319) (-)

Ion 54.00 (53.70 to 54.70): BM015907.D (-1319) (-)

Ion 68.00 (67.70 to 68.70): BM015907.D (-1319) (-)

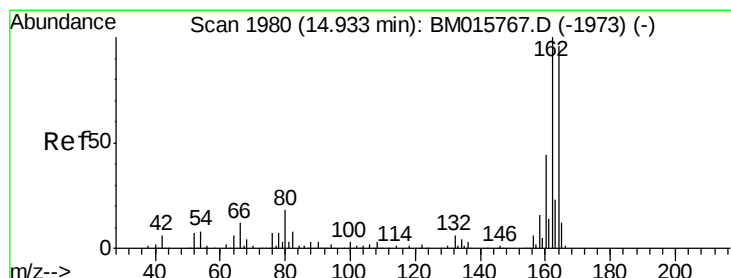
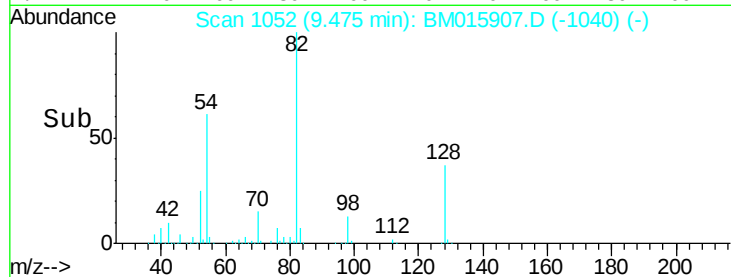
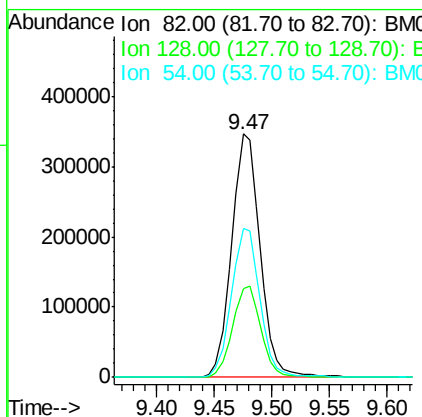
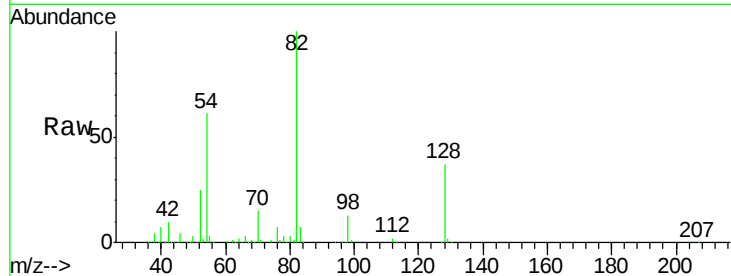




#23  
 Nitrobenzene-d5  
 Concen: Below ng  
 RT: 9.47 min Scan# 1052  
 Delta R.T. -0.03 min  
 Lab File: BM015907.D  
 Acq: 12 Jul 2018 10:18

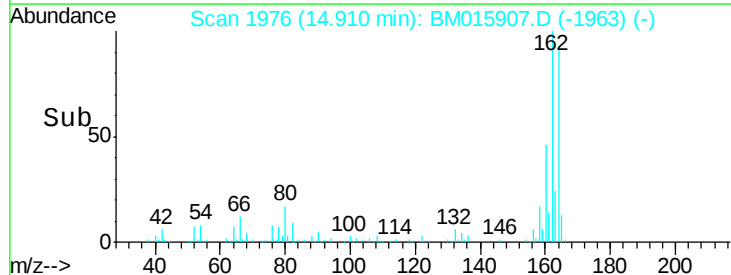
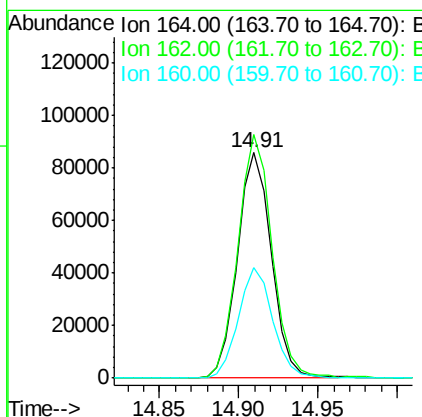
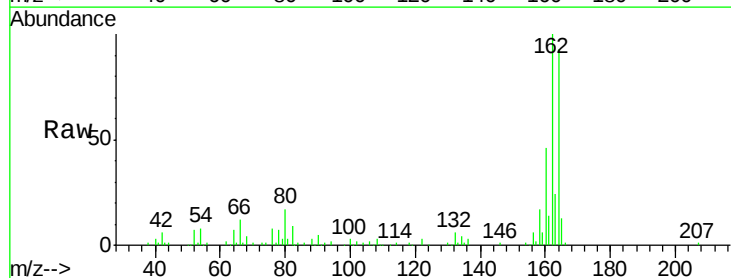
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-071018

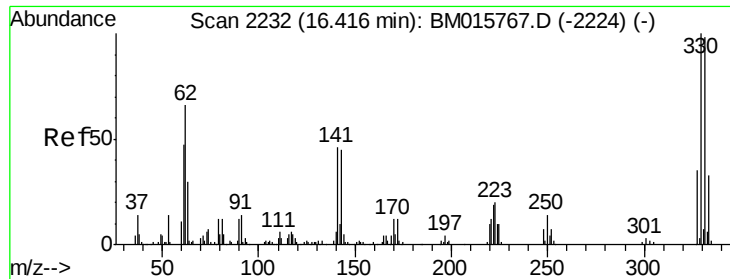
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.5  | 32.8  | 49.2  |
| 54      | 61.1  | 40.6  | 60.8# |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.91 min Scan# 1976  
 Delta R.T. -0.02 min  
 Lab File: BM015907.D  
 Acq: 12 Jul 2018 10:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 108.0 | 82.4  | 123.6 |
| 160     | 49.3  | 35.8  | 53.6  |

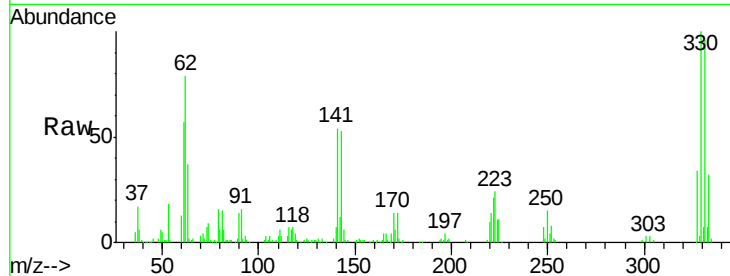




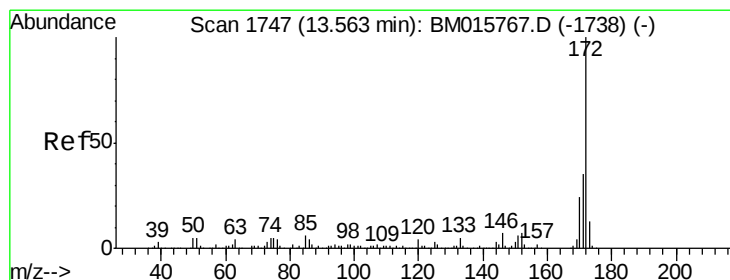
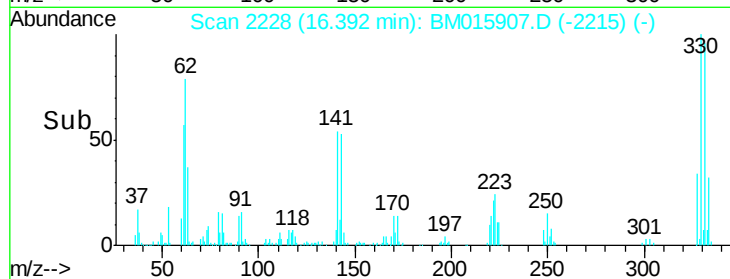
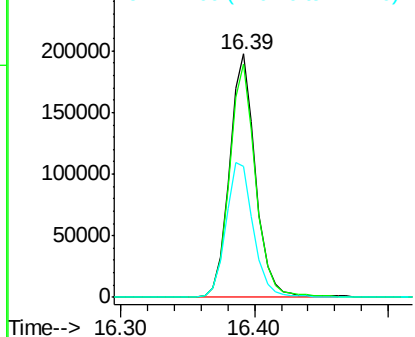
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.39 min Scan# 2228  
 Delta R.T. -0.02 min  
 Lab File: BM015907.D  
 Acq: 12 Jul 2018 10:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-071018

Tgt Ion: 330 Resp: 268548  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 0.0 0.0#  
 141 58.8 0.0 0.0#

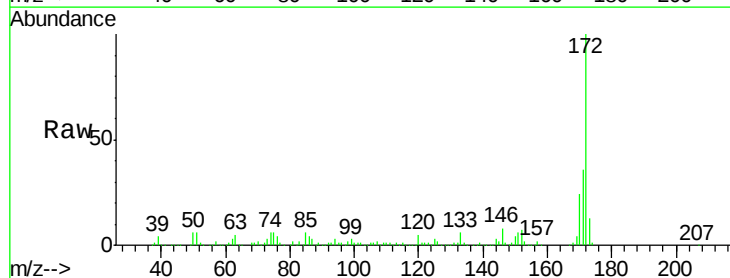


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

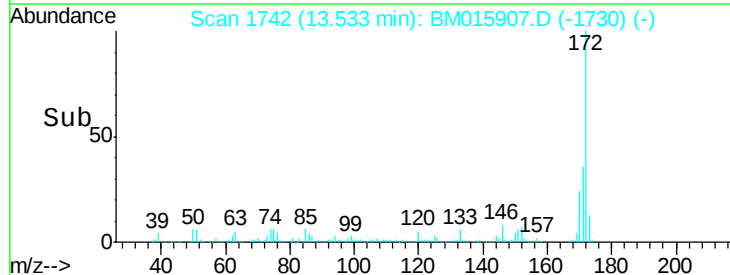
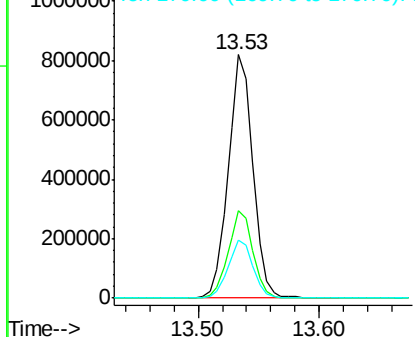


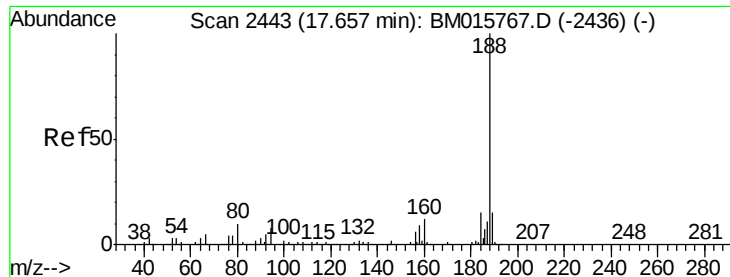
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.53 min Scan# 1742  
 Delta R.T. -0.03 min  
 Lab File: BM015907.D  
 Acq: 12 Jul 2018 10:18

Tgt Ion: 172 Resp: 1160814  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.5 42.7  
 170 24.0 18.8 28.2



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

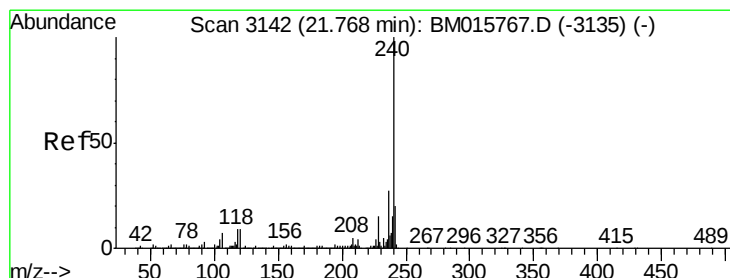
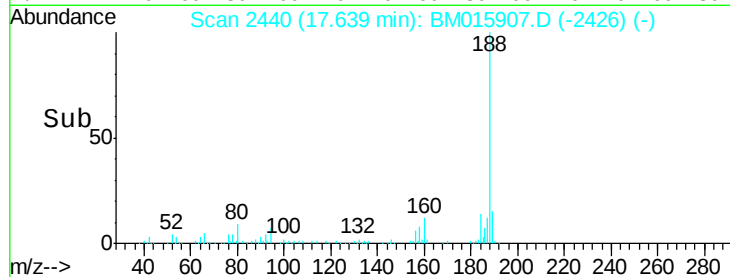
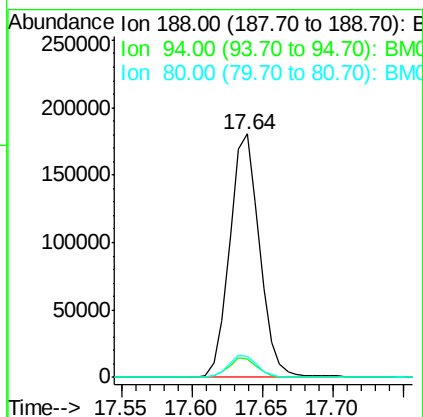
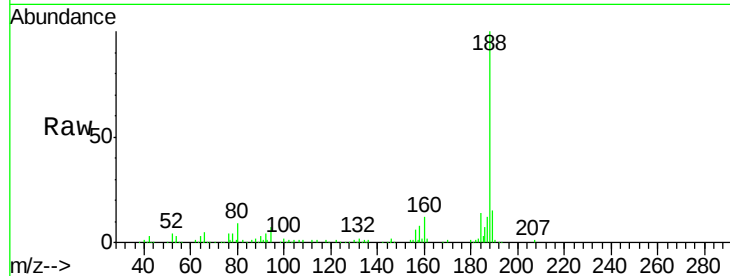




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.64 min Scan# 2440  
Delta R.T. -0.02 min  
Lab File: BM015907.D  
Acq: 12 Jul 2018 10:18

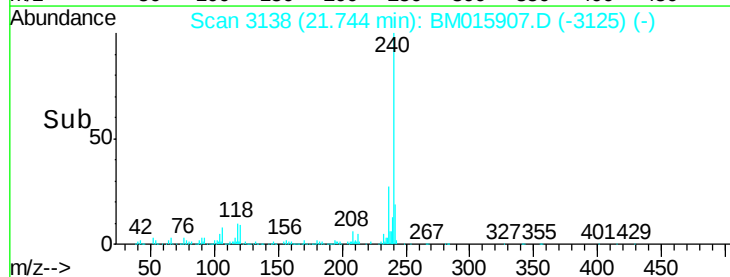
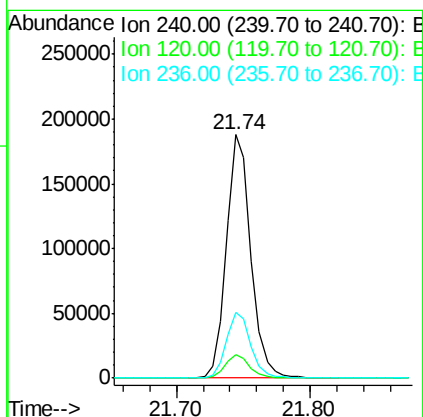
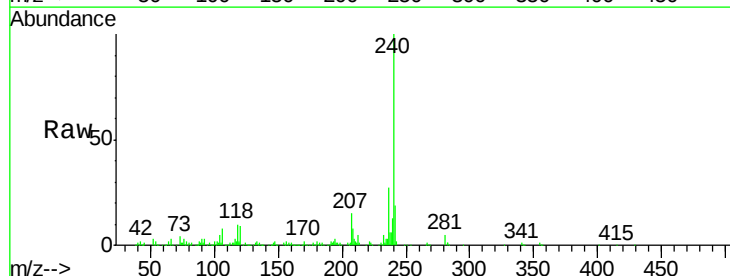
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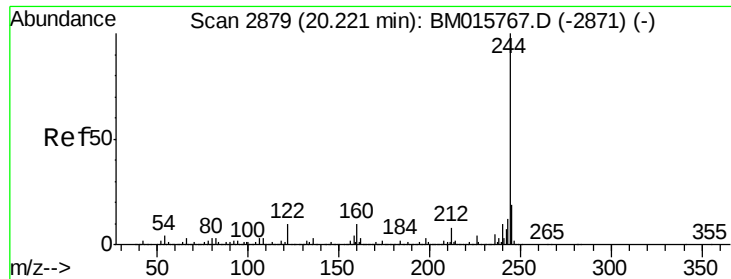
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.3   | 8.7   | 13.1# |
| 80      | 8.8   | 9.3   | 13.9# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.74 min Scan# 3138  
Delta R.T. -0.02 min  
Lab File: BM015907.D  
Acq: 12 Jul 2018 10:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.4   | 8.2   | 12.2  |
| 236     | 27.1  | 20.0  | 30.0  |

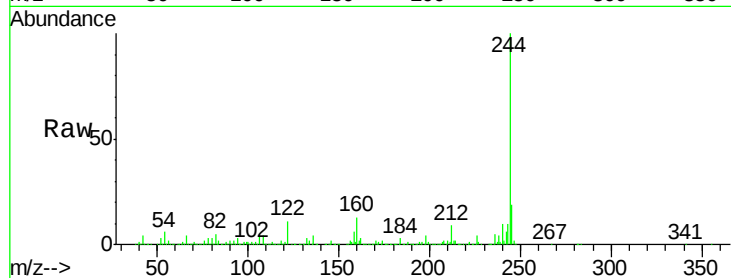




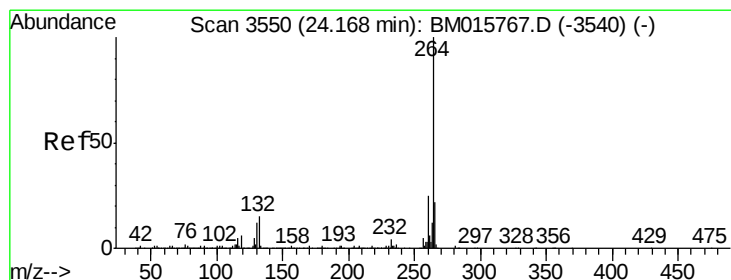
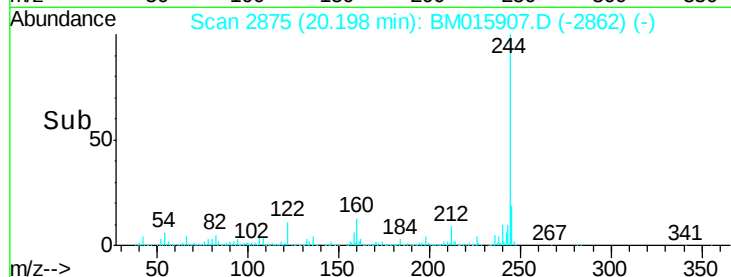
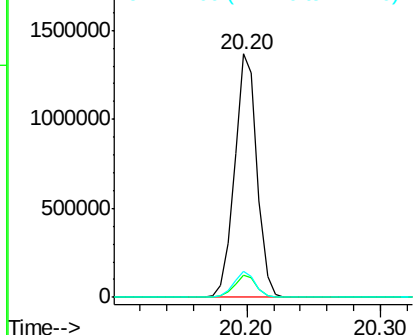
#78  
 Terphenyl-d14  
 Concen: N.D. ng  
 RT: 20.20 min Scan# 2875  
 Delta R.T. -0.02 min  
 Lab File: BM015907.D  
 Acq: 12 Jul 2018 10:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-071018

Tgt Ion:244 Resp: 1589178  
 Ion Ratio Lower Upper  
 244 100  
 212 9.3 4.9 7.3#  
 122 10.5 6.2 9.4#

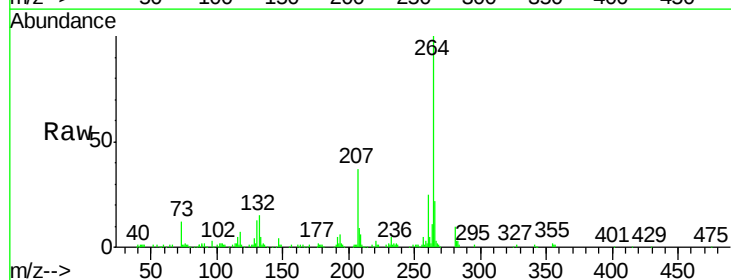


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.14 min Scan# 3545  
 Delta R.T. -0.03 min  
 Lab File: BM015907.D  
 Acq: 12 Jul 2018 10:18

Tgt Ion:264 Resp: 251117  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 18.6 27.8  
 265 21.8 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

