

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\  
 Data File : BF108723.D  
 Acq On : 1 Sep 2018 7:22  
 Operator : JU/SJ  
 Sample : J4729-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082918-DBRI-F-U-M

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Quant Time: Sep 04 02:37:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 30 15:06:55 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.01  | 152  | 57617    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.28  | 136  | 218459   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.04 | 164  | 98210    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.54 | 188  | 202263   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 14.19 | 240  | 209603   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.75 | 264  | 147388   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.70  | 112  | 96619m   | 29.13  | ng    | 0.05           |
| 7) Phenol-d6                | 6.66  | 99   | 98416    | 20.72  | ng    | 0.01           |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 448541   | 104.22 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 103382   | 79.74  | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.35  | 172  | 822448   | 112.60 | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.12 | 244  | 906543   | 84.03  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.75  | 163  | 38567    | 4.987  | ng    | Qvalue<br># 99 |

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

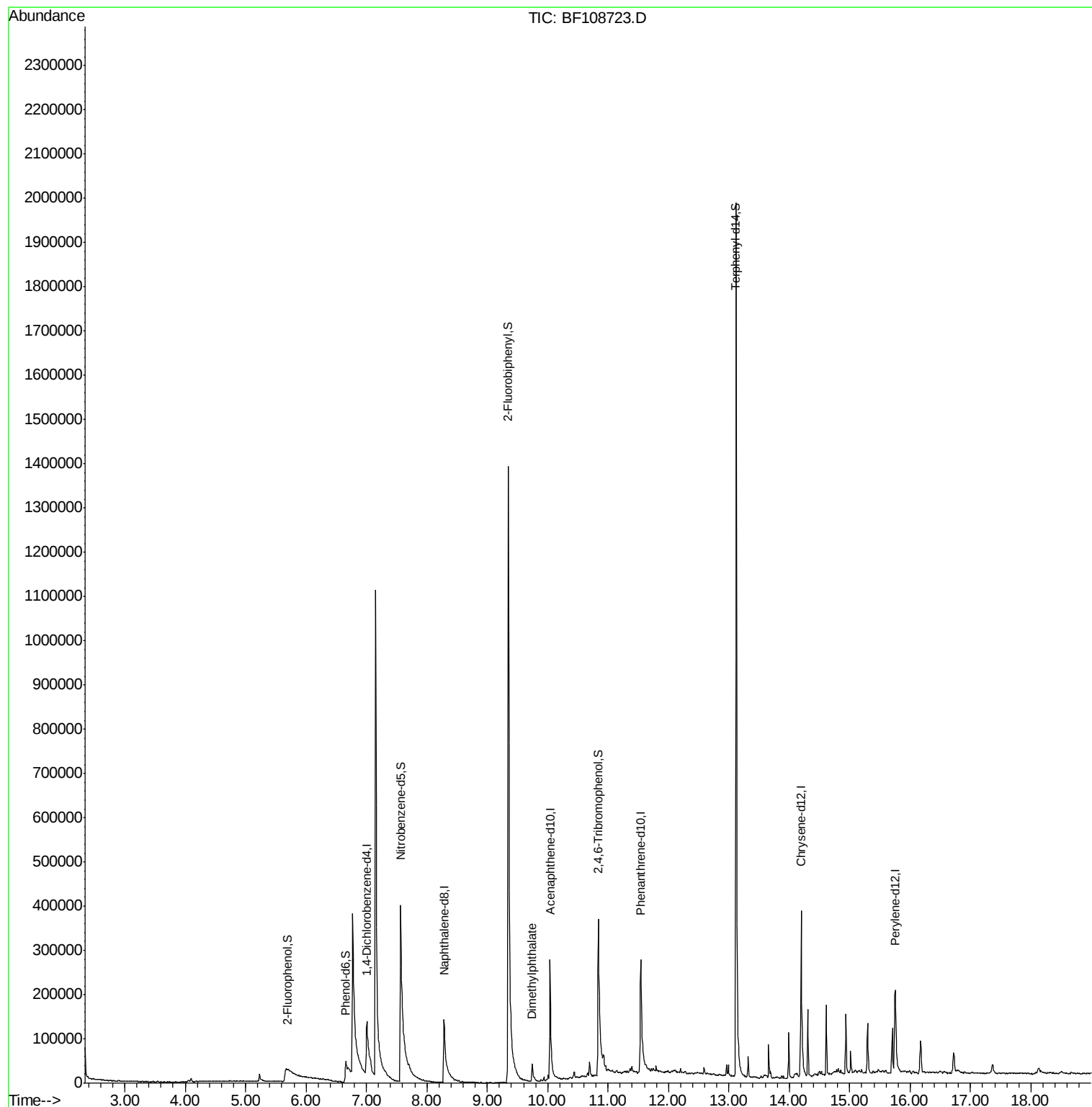
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\  
Data File : BF108723.D  
Acq On : 1 Sep 2018 7:22  
Operator : JU/SJ  
Sample : J4729-09  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

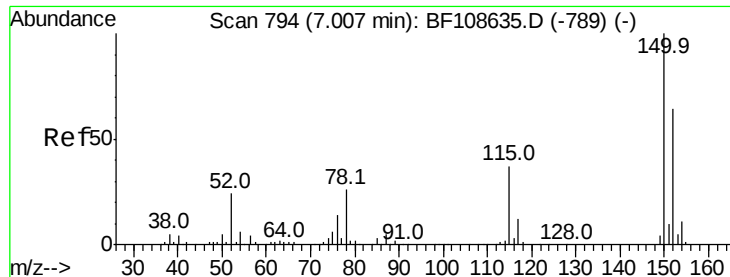
Instrument :  
BNA\_F  
ClientSampleId :  
082918-DBRI-F-U-M

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Quant Time: Sep 04 02:37:45 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 30 15:06:55 2018  
Response via : Initial Calibration





#1

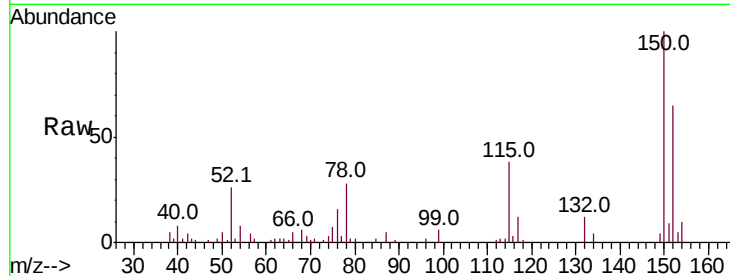
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.01 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: BF108723.D  
Acq: 1 Sep 2018 7:22

Instrument :  
BNA\_F  
ClientSampleId :  
082918-DBRI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.5 | 124.6 | 186.8 |
| 115     | 57.9  | 50.1  | 75.1  |

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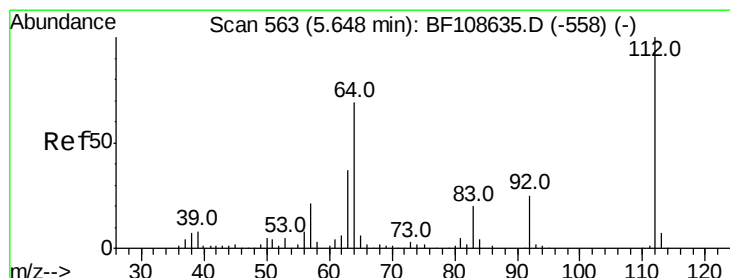
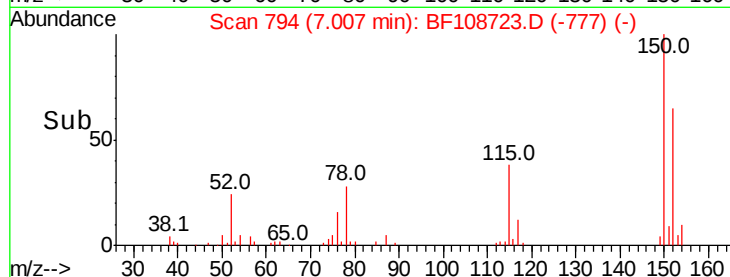
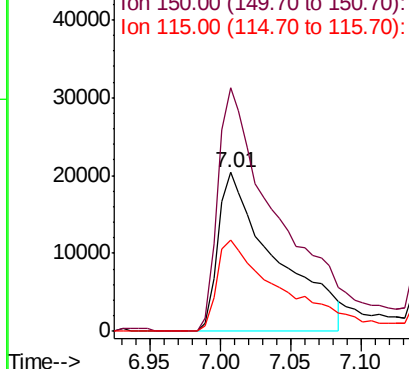


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

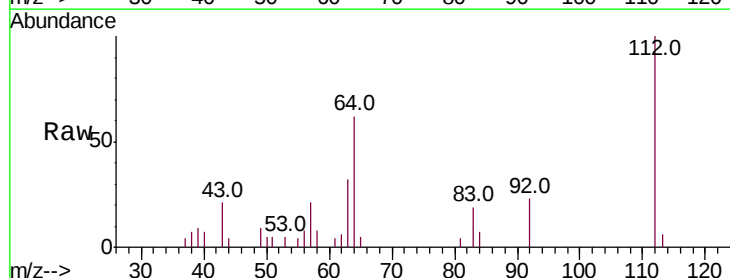
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 29.132 ng m  
RT: 5.70 min Scan# 571  
Delta R.T. 0.05 min  
Lab File: BF108723.D  
Acq: 1 Sep 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.6  | 47.9  | 71.9  |
| 63      | 32.0  | 23.7  | 35.5  |

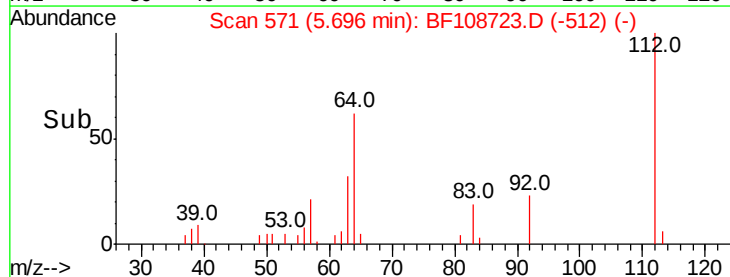
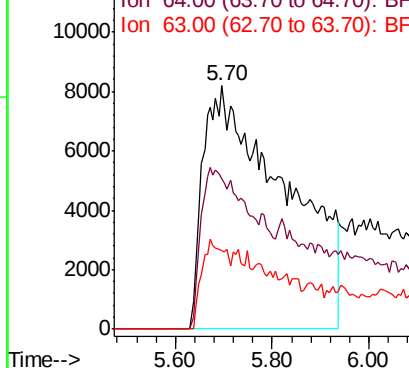


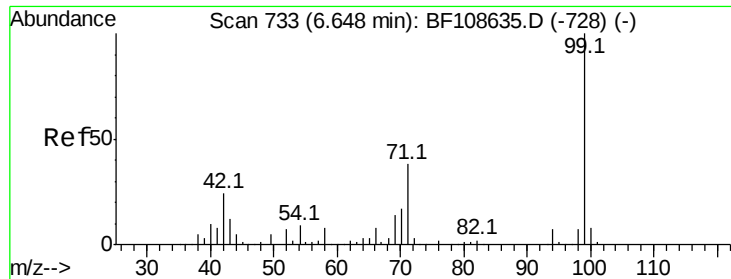
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.718 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF108723.D

Acq: 1 Sep 2018 7:22

Instrument :

BNA\_F

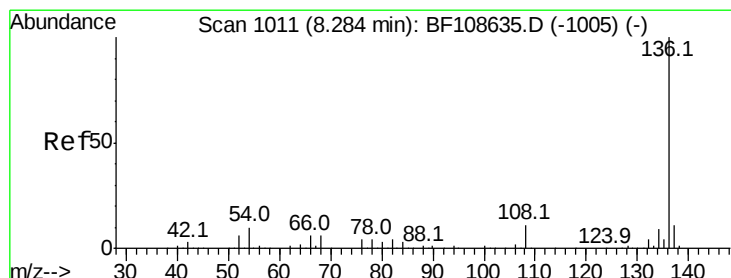
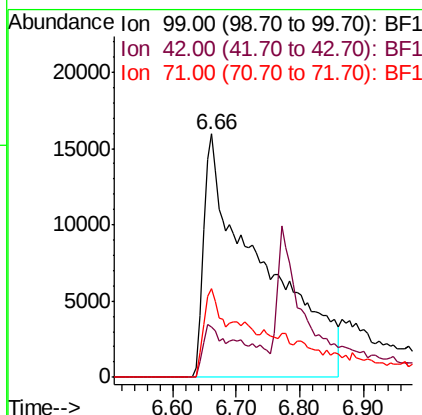
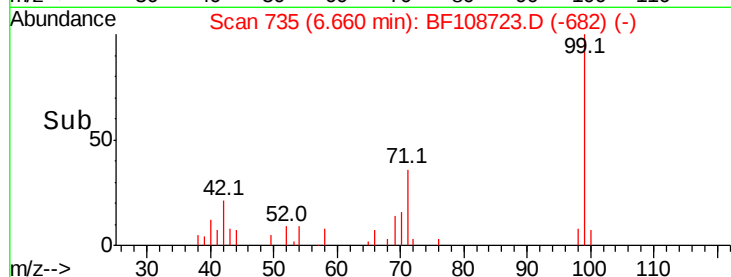
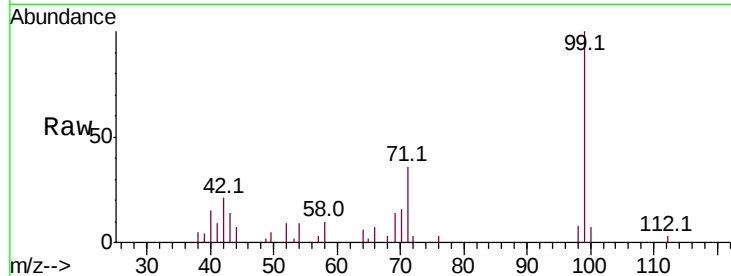
ClientSampleId :

082918-DBRI-F-U-M

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 98416 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 20.8  | 14.5  | 21.7  |
| 71        | 36.3  | 25.4  | 38.0  |

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#21

Naphthalene-d8

Concen: 20.000 ng

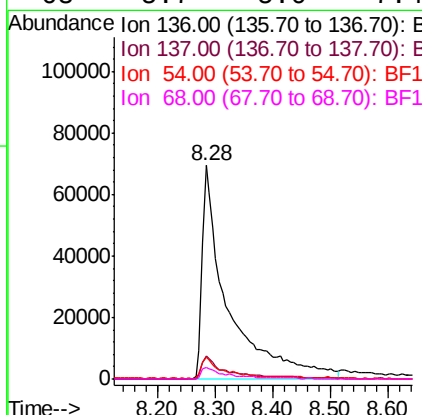
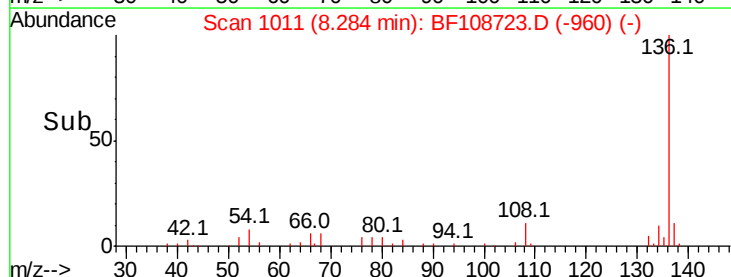
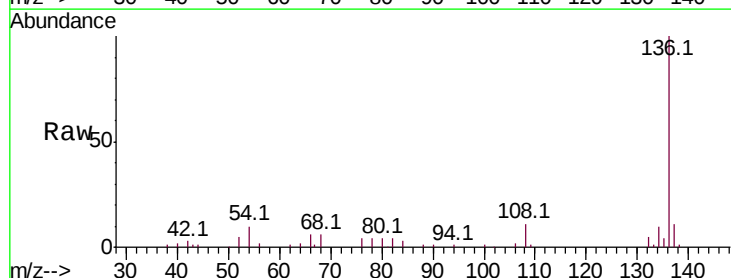
RT: 8.28 min Scan# 1011

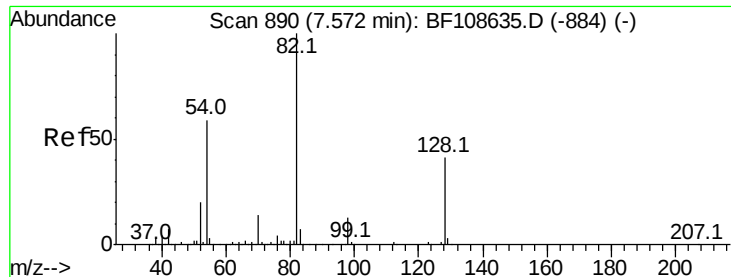
Delta R.T. 0.00 min

Lab File: BF108723.D

Acq: 1 Sep 2018 7:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 218459 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.9   | 13.3   |
| 54        | 9.9   | 6.6   | 9.8#   |
| 68        | 5.7   | 5.0   | 7.4    |





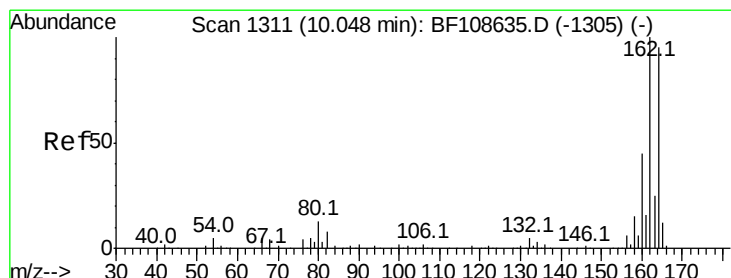
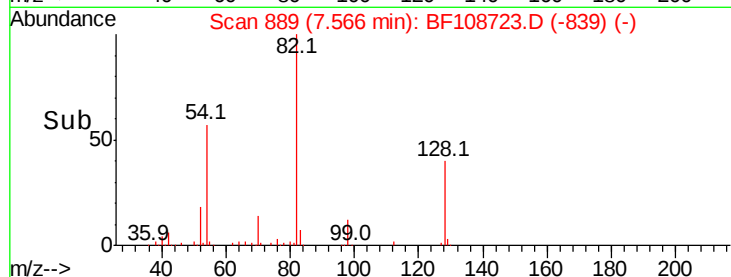
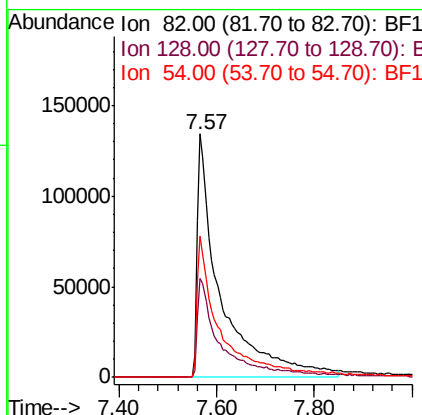
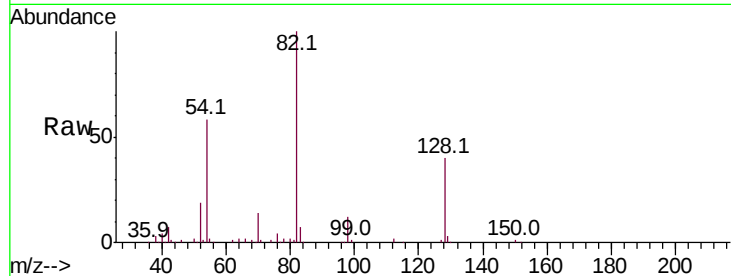
#23  
 Nitrobenzene-d5  
 Concen: 104.218 ng  
 RT: 7.57 min Scan# 889  
 Delta R.T. -0.01 min  
 Lab File: BF108723.D  
 Acq: 1 Sep 2018 7:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082918-DBRI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.5  | 36.1  | 54.1  |
| 54      | 58.1  | 41.4  | 62.2  |

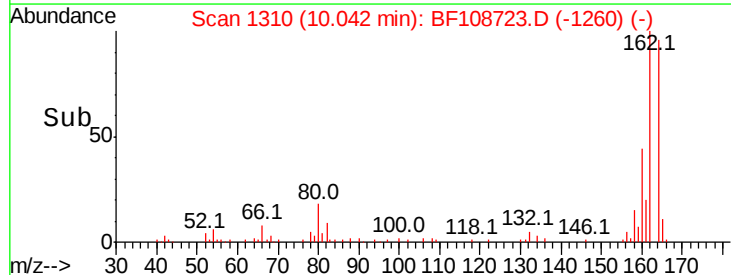
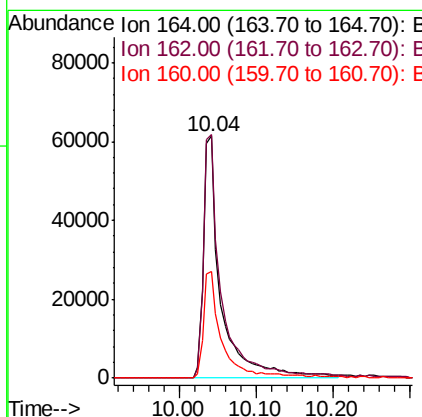
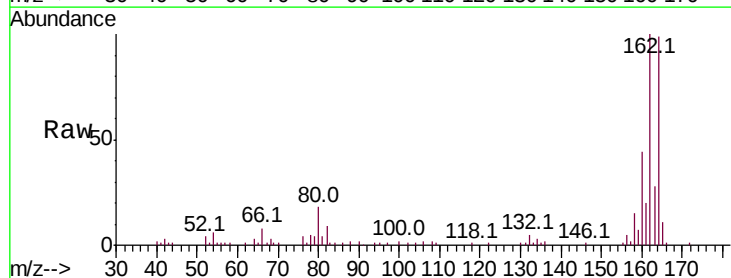
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.04 min Scan# 1310  
 Delta R.T. -0.01 min  
 Lab File: BF108723.D  
 Acq: 1 Sep 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.7 | 86.1  | 129.1 |
| 160     | 44.1  | 38.3  | 57.5  |





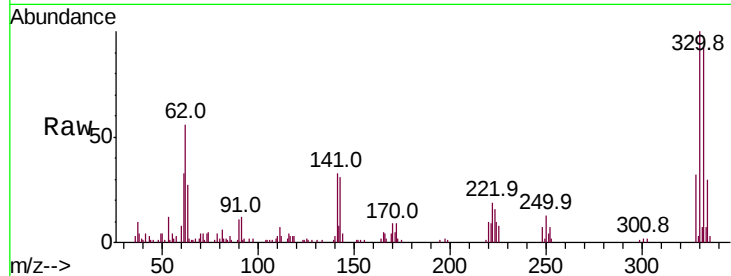
#41  
 2,4,6-Tribromophenol  
 Concen: 79.740 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108723.D  
 Acq: 1 Sep 2018 7:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082918-DBRI-F-U-M

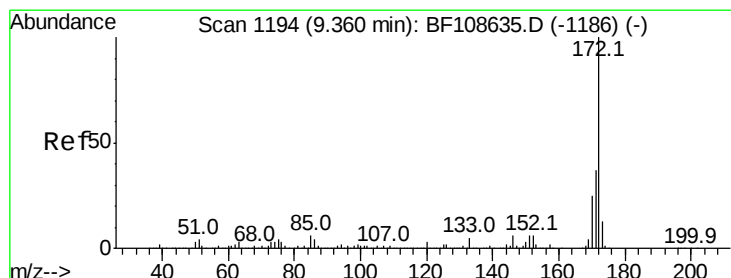
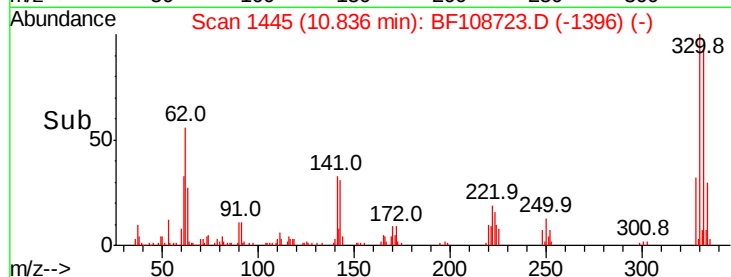
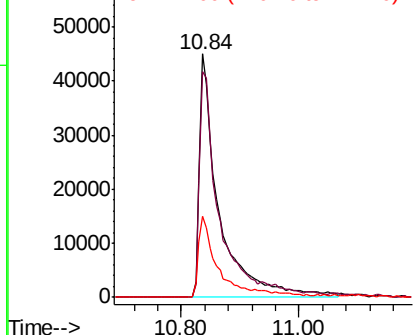
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 94.0  | 77.0 | 115.6 |       |
| 141     | 34.6  | 29.9 | 44.9  |       |

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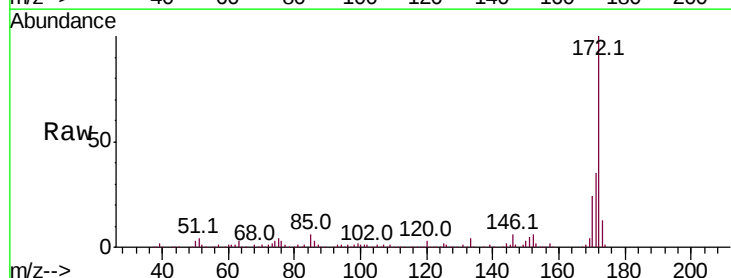


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

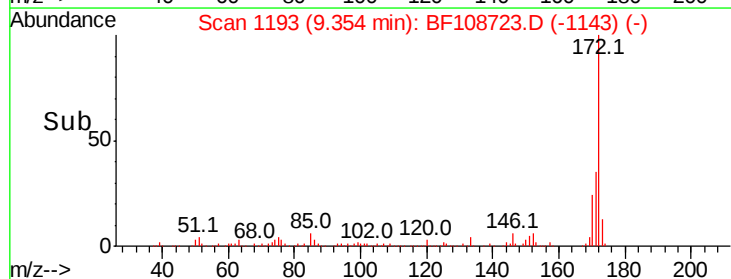
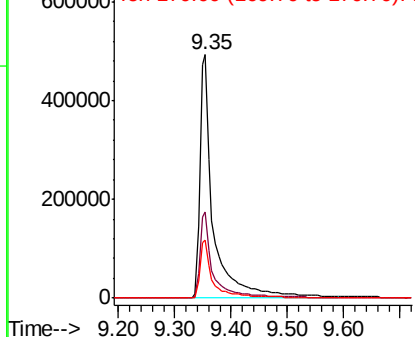


#44  
 2-Fluorobiphenyl  
 Concen: 112.600 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108723.D  
 Acq: 1 Sep 2018 7:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 35.5  | 29.7 | 44.5  |       |
| 170     | 23.7  | 19.6 | 29.4  |       |



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





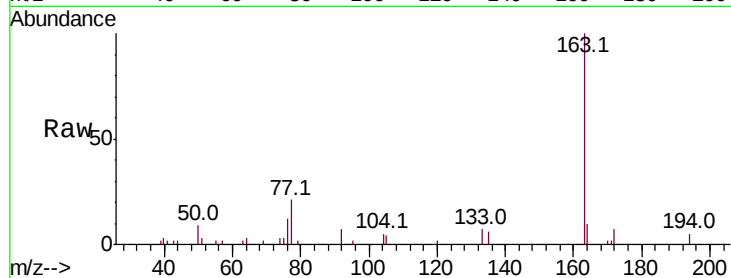
#49  
Dimethylphthalate  
Concen: 4.987 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BF108723.D  
Acq: 1 Sep 2018 7:22

Instrument :  
BNA\_F  
ClientSampleId :  
082918-DBRI-F-U-M

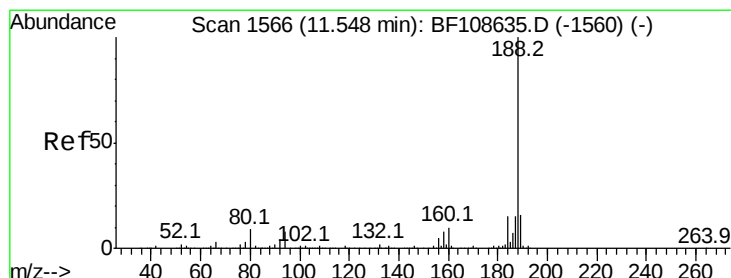
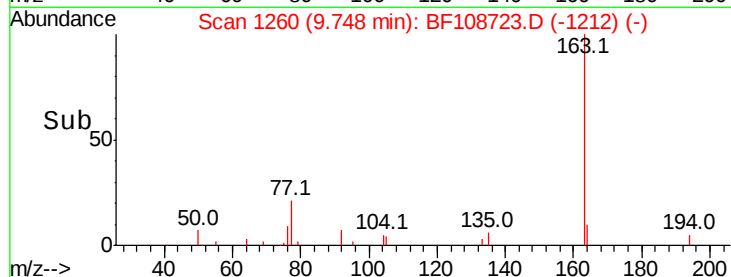
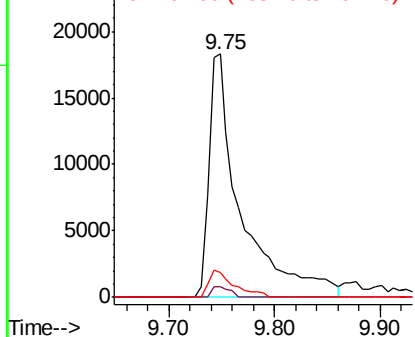
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 4.6   | 2.7  | 4.1#  |       |
| 164     | 10.3  | 8.2  | 12.2  |       |

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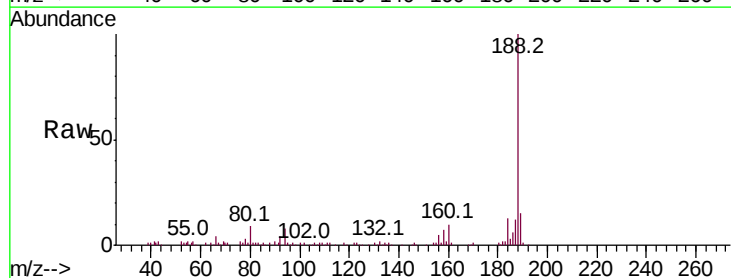


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

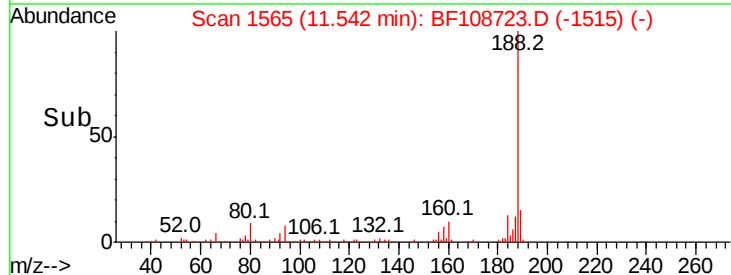
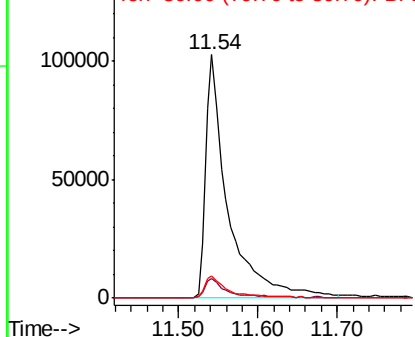


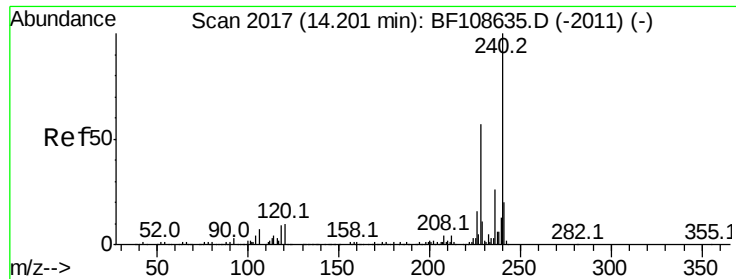
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.54 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: BF108723.D  
Acq: 1 Sep 2018 7:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 8.2   | 8.5  | 12.7# |       |
| 80      | 9.2   | 9.2  | 13.8  |       |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108723.D

Acq: 1 Sep 2018 7:22

Instrument :

BNA\_F

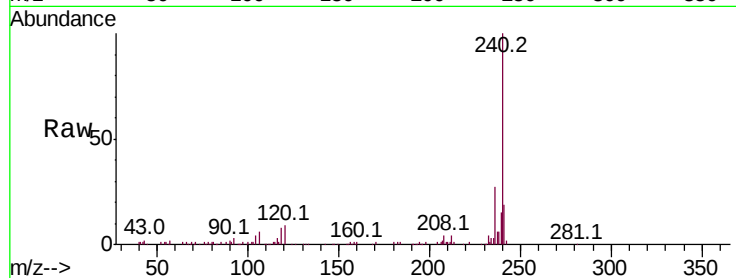
ClientSampleId :

082918-DBRI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.2   | 9.5   | 14.3# |
| 236     | 26.7  | 20.7  | 31.1  |

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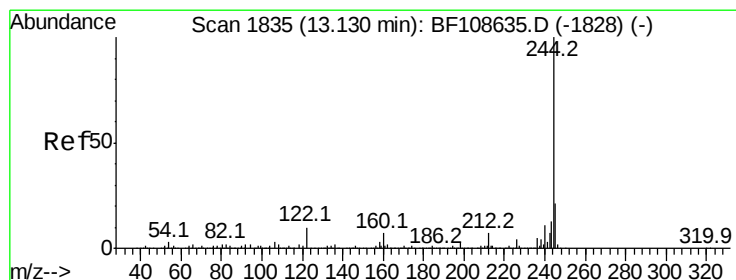
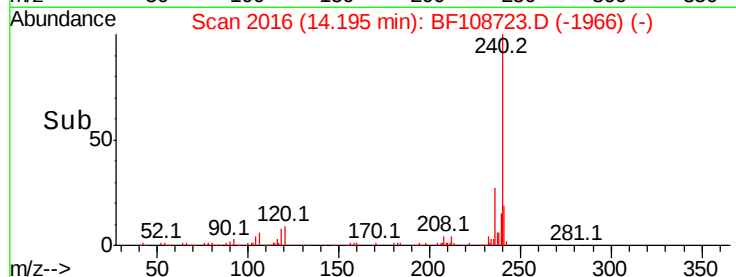
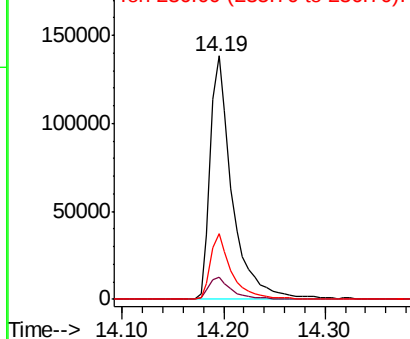
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 84.034 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108723.D

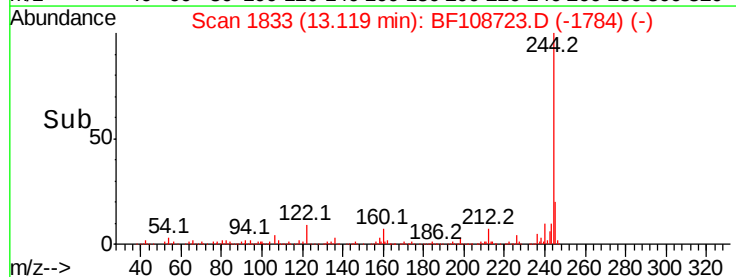
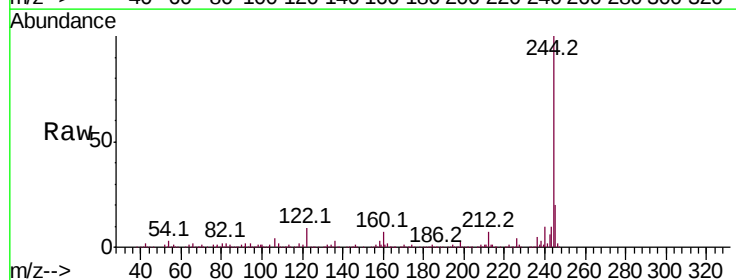
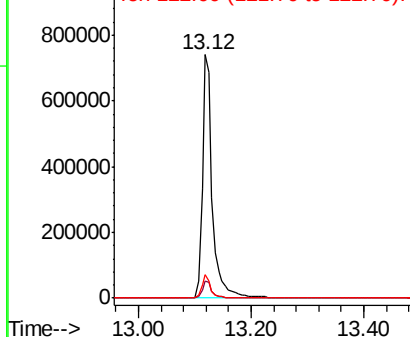
Acq: 1 Sep 2018 7:22

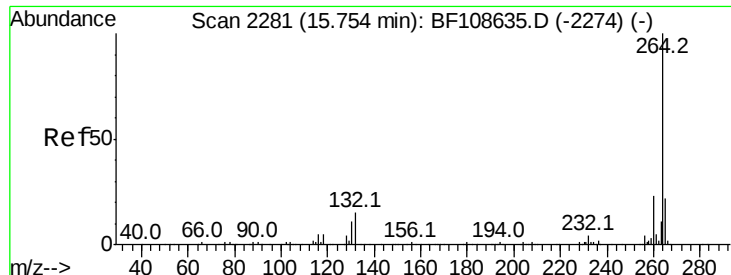
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.4   | 8.0   |
| 122     | 9.4   | 11.0  | 16.4# |

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  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.75 min Scan# 2281  
Delta R.T. 0.00 min  
Lab File: BF108723.D  
Acq: 1 Sep 2018 7:22

Instrument :  
BNA\_F  
ClientSampleId :  
082918-DBRI-F-U-M

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 264     | 100  |       |      |       |       |
| 260     | 23.9 | 19.2  | 28.8 |       |       |
| 265     | 22.3 | 17.5  | 26.3 |       |       |

Manual Integrations  
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