

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\  
 Data File : BM024948.D  
 Acq On : 19 Feb 2020 17:40  
 Operator : CG/JU  
 Sample : L1486-15DL 10X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 DBCW6DL

Manual Integrations  
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 2/20/2020 3:12:37 PM

Quant Time: Feb 19 23:53:17 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 19 03:36:08 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 409981   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.14 | 136  | 1516964  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.03 | 164  | 929859   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.79 | 188  | 2051023  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.00 | 240  | 2198916  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.10 | 264  | 2281735  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |       |
|--------------------------------|-------|-----|--------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 1219m  | 0.14 | ng/uL | 0.01  |
| 5) Phenol-d5                   | 6.59  | 99  | 14930  | 0.55 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.75  | 67  | 44766  | 2.91 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.93  | 132 | 48462  | 1.99 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.10  | 113 | 26860  | 1.17 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.53  | 128 | 30119  | 2.75 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.24  | 143 | 28965  | 2.23 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.77  | 165 | 55403  | 2.12 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d     | 0.00 | ng/ul |       |
| 44) Dimethylphthalate-d6       | 13.46 | 166 | 191425 | 2.73 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.72 | 160 | 229940 | 2.81 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |       |
| 58) Fluorene-d10               | 15.04 | 176 | 175462 | 2.82 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.17 | 200 | 16773  | 1.25 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.89 | 188 | 270517 | 2.89 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.20 | 212 | 306107 | 2.78 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 22.97 | 264 | 321488 | 2.81 | ng/ul | 0.00  |

## Target Compounds

|                         |       |     |           | Ovalue  |        |
|-------------------------|-------|-----|-----------|---------|--------|
| 24) 2,4-Dimethylphenol  | 9.35  | 107 | 42260m    | 1.621   | ng/ul  |
| 28) Naphthalene         | 10.19 | 128 | 19600009m | 252.878 | ng/ul  |
| 34) 2-Methylnaphthalene | 11.82 | 142 | 2894851   | 50.703  | ng/ul  |
| 41) 1,1'-Biphenyl       | 12.86 | 154 | 786271    | 11.454  | ng/ul# |
| 50) Acenaphthene        | 14.10 | 153 | 3519636   | 61.382  | ng/ul  |
| 54) Dibenzofuran        | 14.44 | 168 | 2959529   | 34.625  | ng/ul  |
| 59) Fluorene            | 15.09 | 166 | 1380356   | 19.595  | ng/ul  |
| 70) Phenanthrene        | 16.83 | 178 | 2918059   | 26.093  | ng/ul  |
| 75) Carbazole           | 17.20 | 167 | 785246    | 8.311   | ng/ul  |
| 77) Fluoranthene        | 18.86 | 202 | 402152    | 2.929   | ng/ul# |
| 80) Pyrene              | 19.22 | 202 | 255220    | 1.753   | ng/ul# |

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

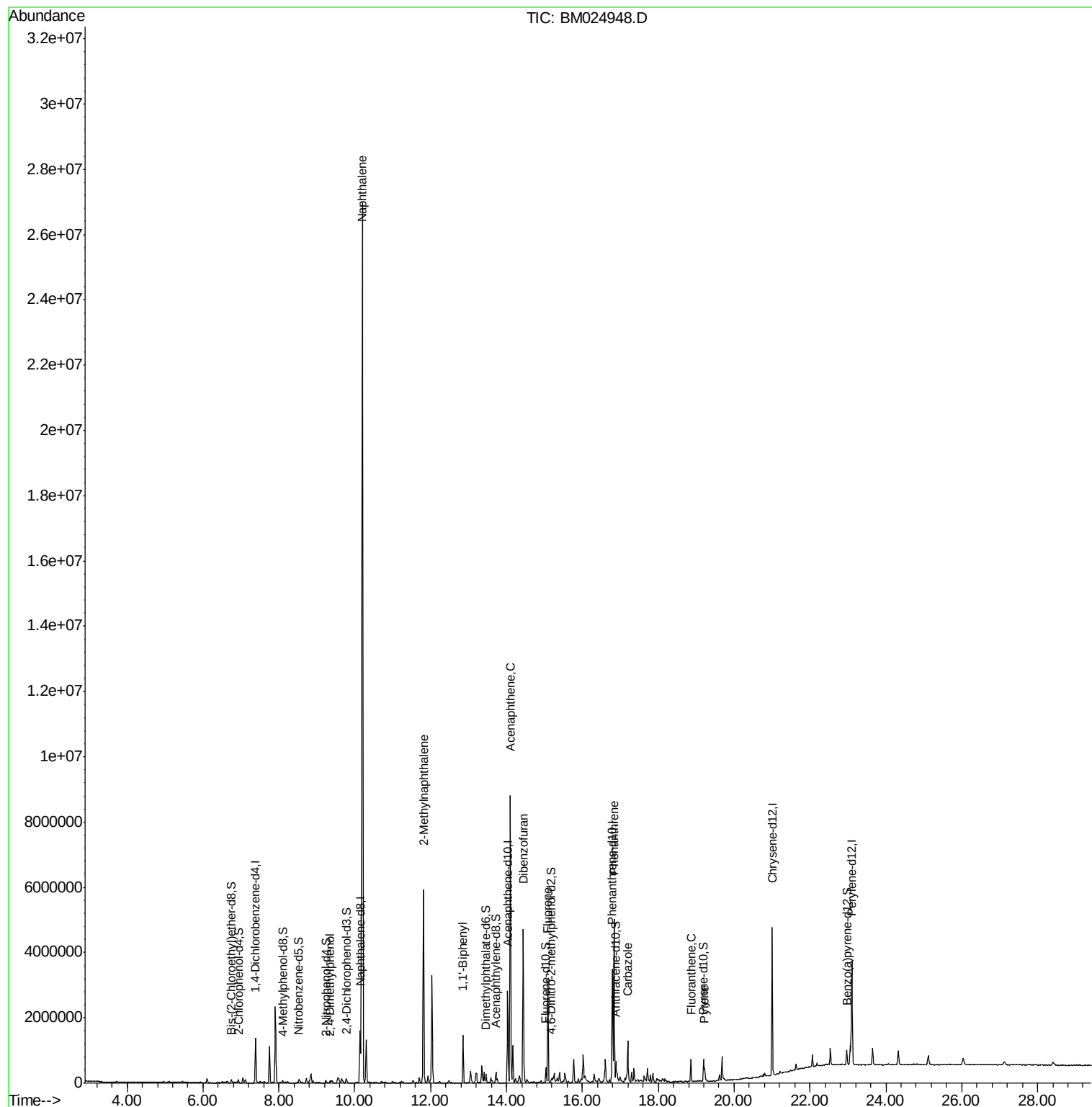
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\  
Data File : BM024948.D  
Acq On : 19 Feb 2020 17:40  
Operator : CG/JU  
Sample : L1486-15DL 10X  
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ALS Vial : 7 Sample Multiplier: 1

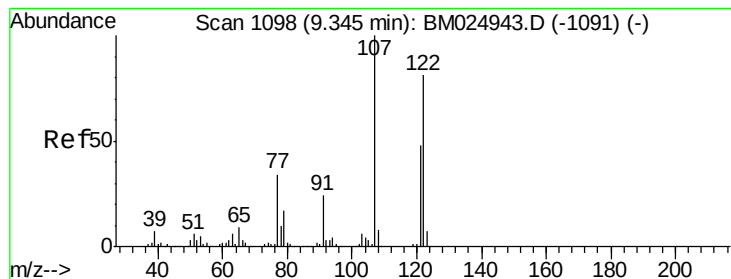
Instrument :  
BNA\_M  
ClientSampleId :  
DBCW6DL

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Quant Time: Feb 19 23:53:17 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 19 03:36:08 2020  
Response via : Initial Calibration





#24

2,4-Dimethylphenol

Concen: 1.621 ng/ul m

RT: 9.35 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

Instrument :

BNA\_M

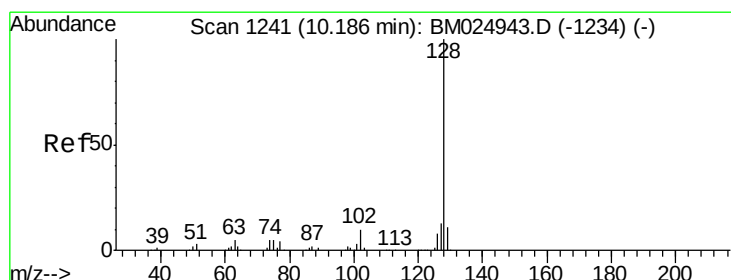
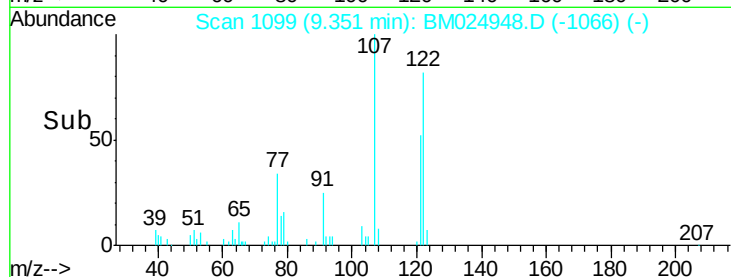
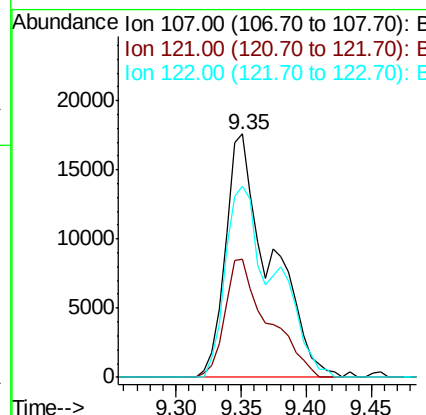
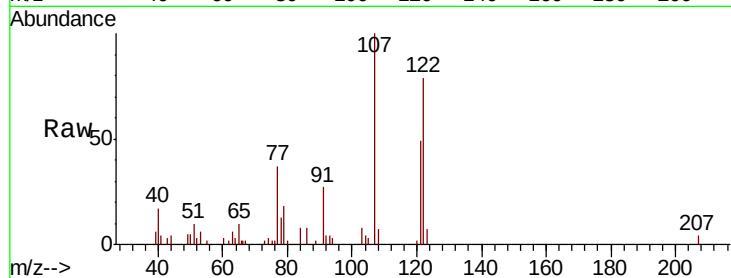
ClientSampled :

DBCW6DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 42260 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 121      | 48.6  | 41.9  | 62.9  |
| 122      | 78.8  | 70.2  | 105.4 |

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#28

Naphthalene

Concen: 252.878 ng/ul m

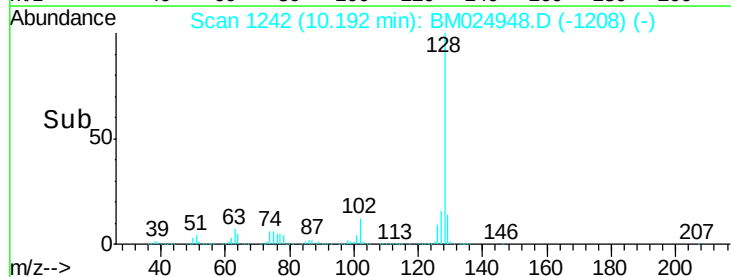
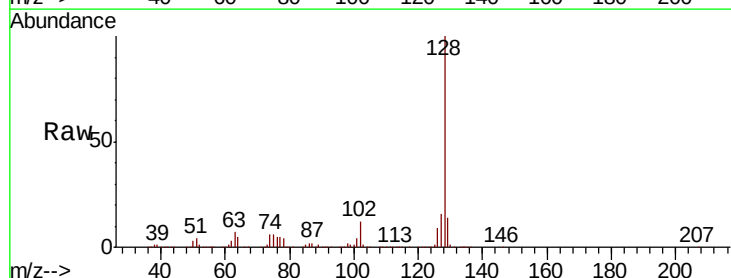
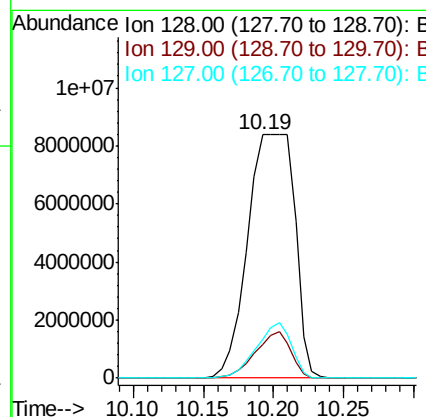
RT: 10.19 min Scan# 1242

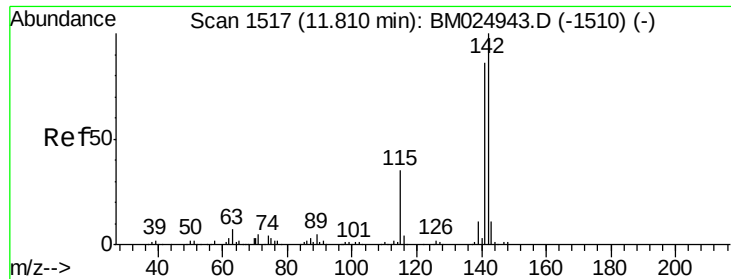
Delta R.T. 0.00 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

|          |       |       |          |
|----------|-------|-------|----------|
| Tgt Ion: | 128   | Resp: | 19600009 |
| Ion      | Ratio | Lower | Upper    |
| 128      | 100   |       |          |
| 129      | 13.9  | 9.1   | 13.7#    |
| 127      | 16.1  | 10.4  | 15.6#    |





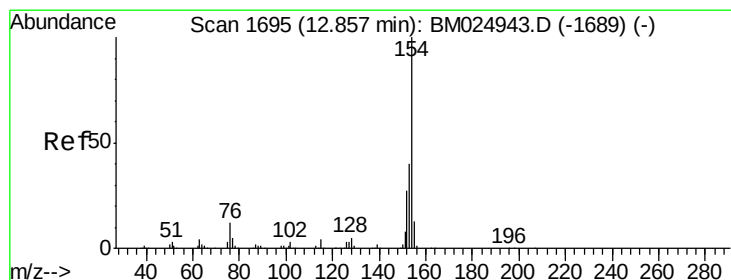
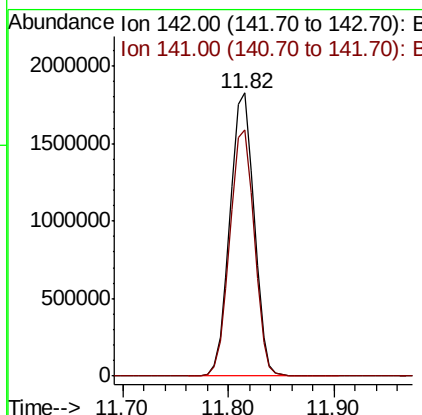
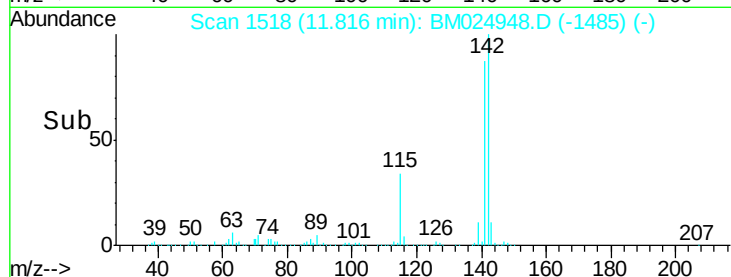
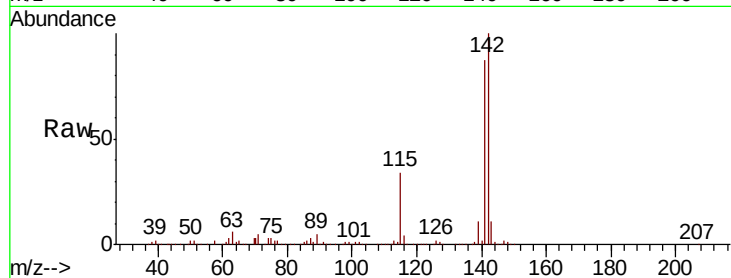
#34  
2-Methylnaphthalene  
Concen: 50.703 ng/ul  
RT: 11.82 min Scan# 1518  
Delta R.T. -0.01 min  
Lab File: BM024948.D  
Acq: 19 Feb 2020 17:40

Instrument :  
BNA\_M  
ClientSampleId :  
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Tot Ion:142 Resp: 2894851  
Ion Ratio Lower Upper  
142 100  
141 87.0 70.5 105.7

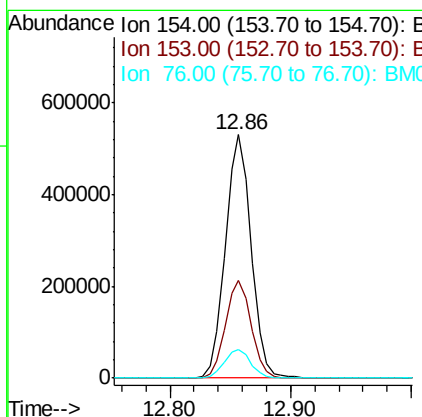
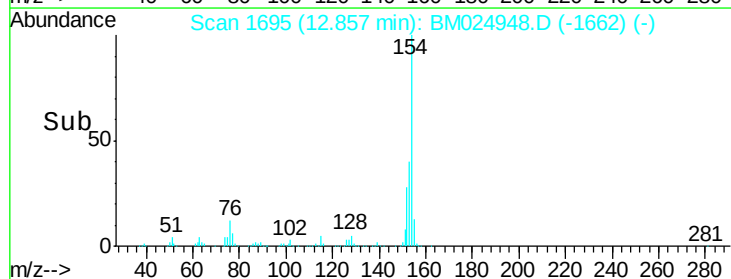
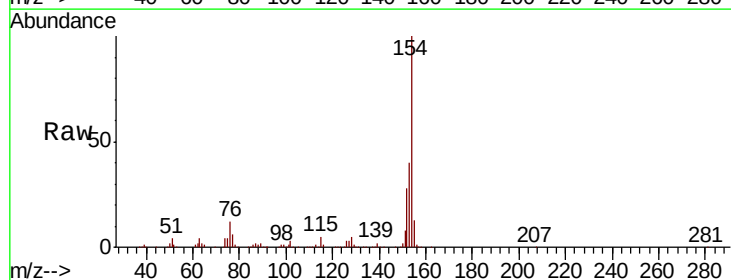
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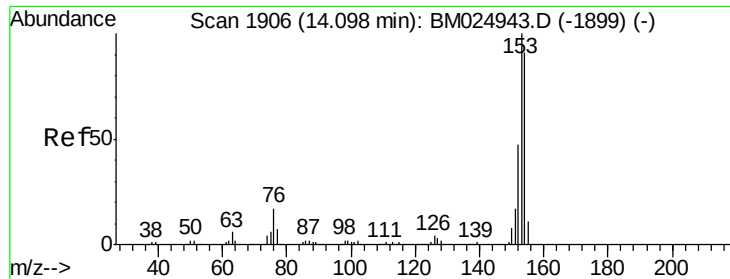
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#41  
1,1'-Biphenyl  
Concen: 11.454 ng/ul  
RT: 12.86 min Scan# 1695  
Delta R.T. -0.01 min  
Lab File: BM024948.D  
Acq: 19 Feb 2020 17:40

Tgt Ion:154 Resp: 786271  
Ion Ratio Lower Upper  
154 100  
153 40.4 31.4 47.2  
76 11.6 7.5 11.3#





#50

Acenaphthene

Concen: 61.382 ng/ul

RT: 14.10 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

Instrument :

BNA\_M

ClientSampleId :

DBCW6DL

Tot Ion:153 Resp: 3519636

Ion Ratio Lower Upper

153 100

152 46.4 37.3 55.9

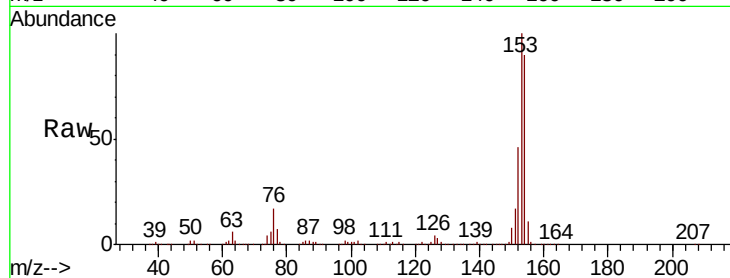
154 90.3 74.1 111.1

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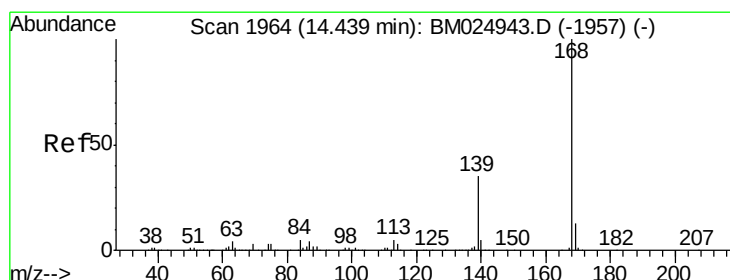
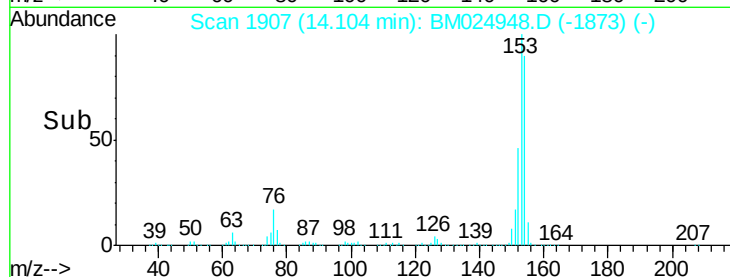
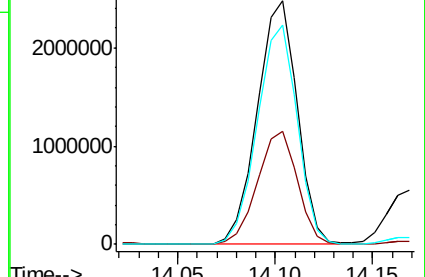
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 34.625 ng/ul

RT: 14.44 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BM024948.D

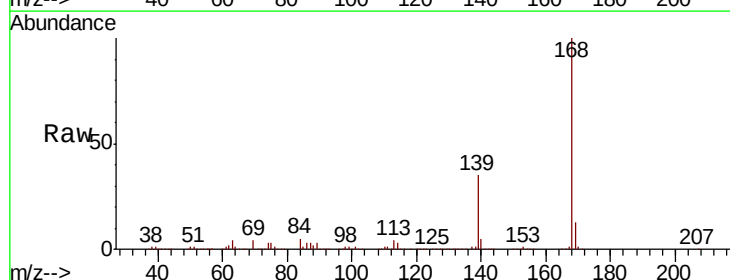
Acq: 19 Feb 2020 17:40

Tgt Ion:168 Resp: 2959529

Ion Ratio Lower Upper

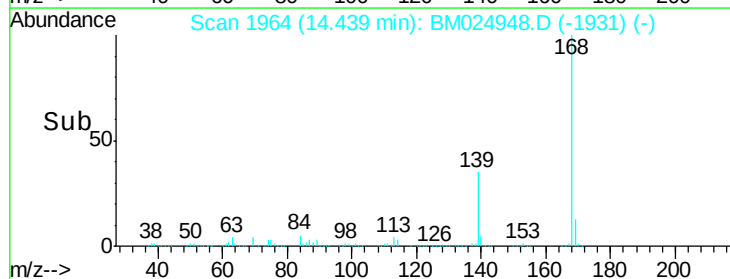
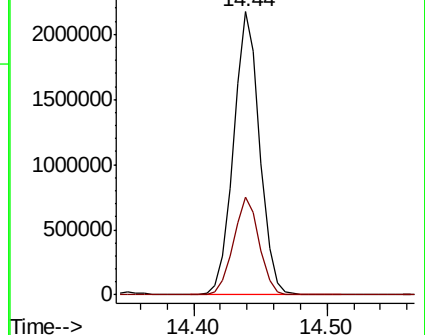
168 100

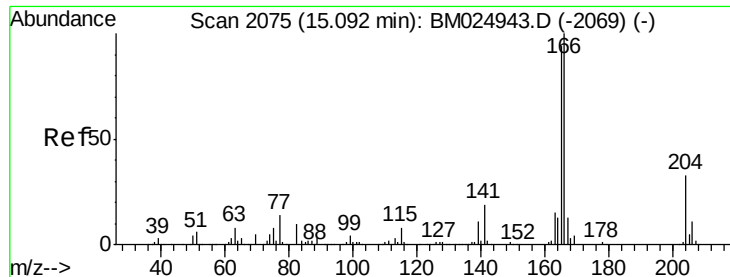
139 34.6 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





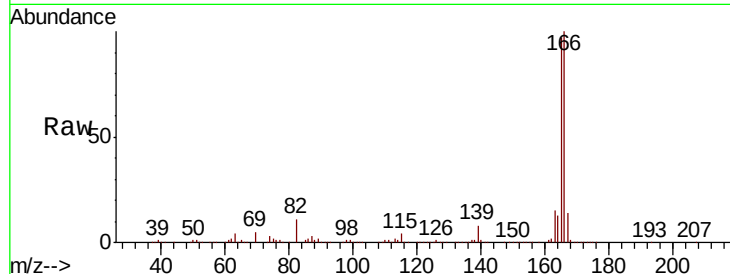
#59  
Fluorene  
Concen: 19.595 ng/ul  
RT: 15.09 min Scan# 2075  
Delta R.T. -0.01 min  
Lab File: BM024948.D  
Acq: 19 Feb 2020 17:40

Instrument :  
BNA\_M  
ClientSampled :  
DBCW6DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.6  | 75.8  | 113.8 |
| 167     | 14.2  | 10.6  | 16.0  |

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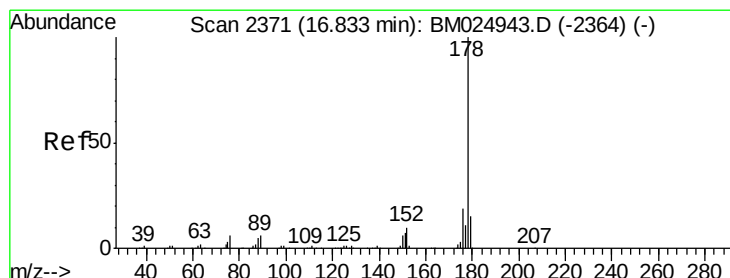
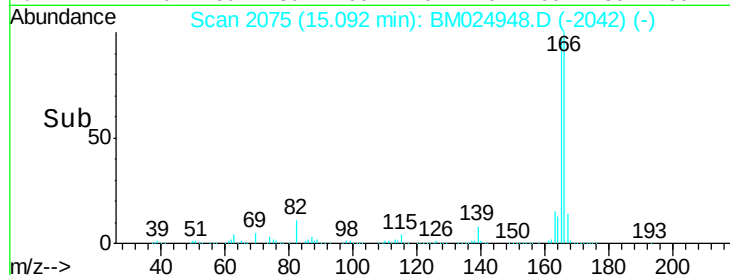
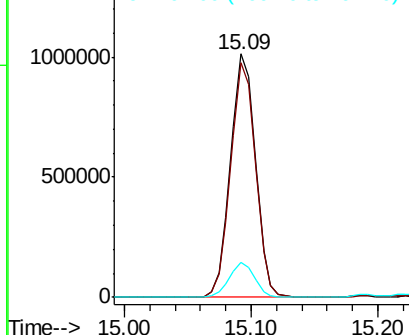


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70  
Phenanthrene  
Concen: 26.093 ng/ul  
RT: 16.83 min Scan# 2371  
Delta R.T. -0.01 min  
Lab File: BM024948.D  
Acq: 19 Feb 2020 17:40

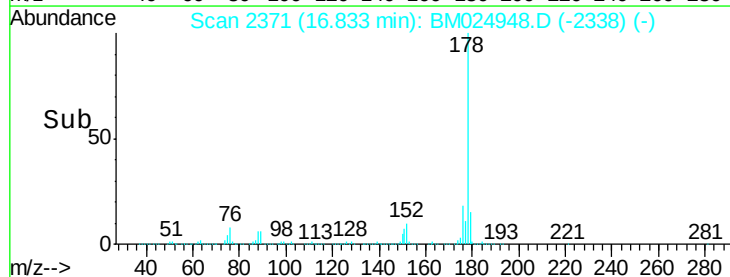
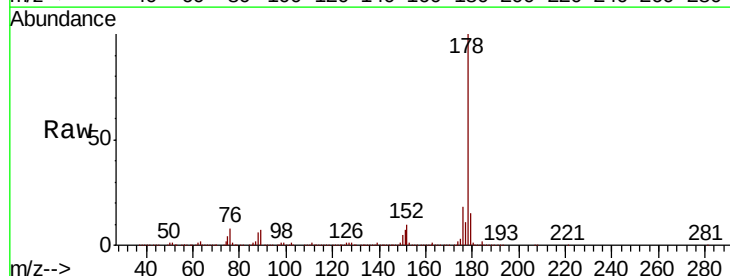
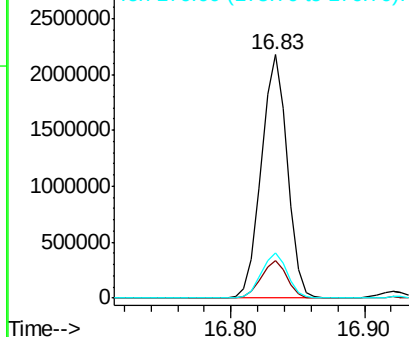
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.3  | 12.2  | 18.2  |
| 176     | 18.5  | 14.5  | 21.7  |

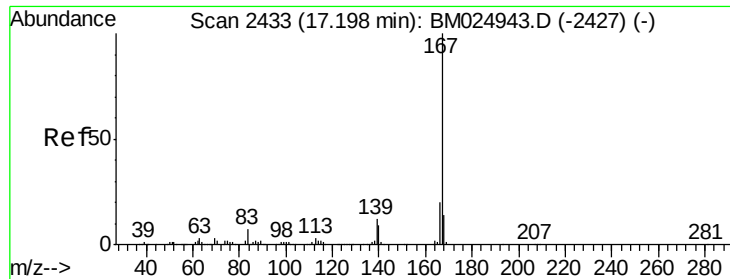
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





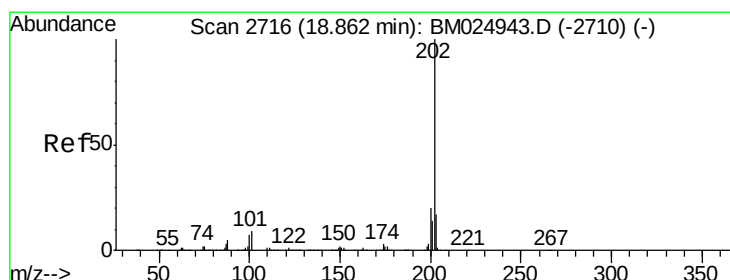
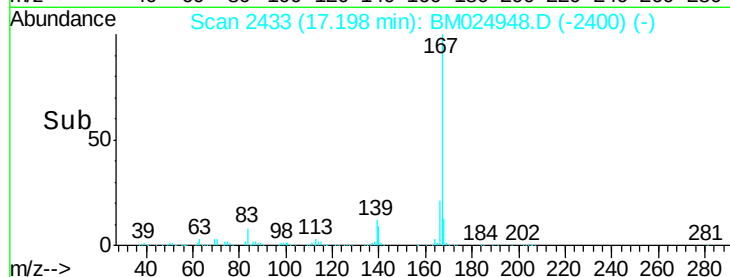
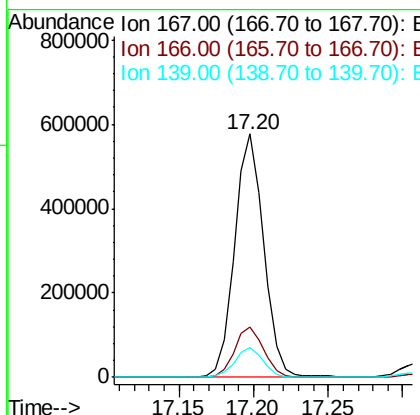
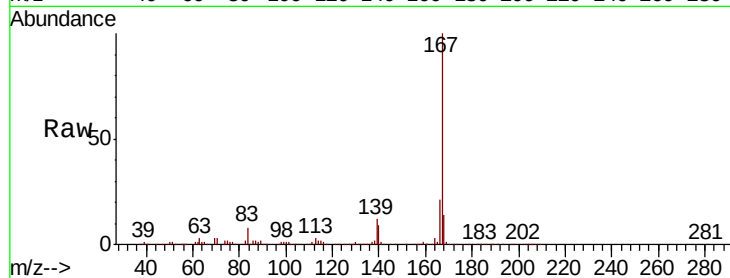
#75  
 Carbazole  
 Concen: 8.311 ng/ul  
 RT: 17.20 min Scan# 2433  
 Delta R.T. -0.01 min  
 Lab File: BM024948.D  
 Acq: 19 Feb 2020 17:40

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBCW6DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 785246 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 20.9  | 16.6  | 24.8   |
| 139       | 12.2  | 9.3   | 13.9   |

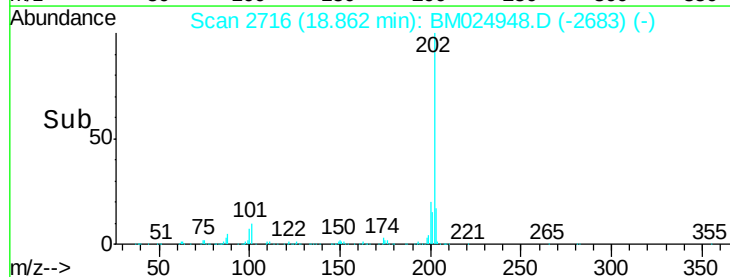
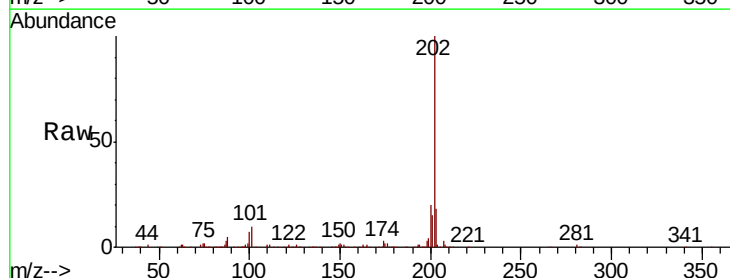
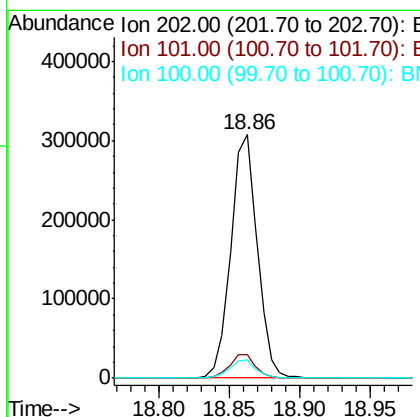
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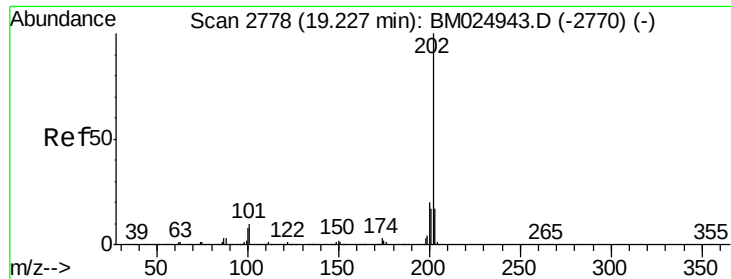
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#77  
 Fluoranthene  
 Concen: 2.929 ng/ul  
 RT: 18.86 min Scan# 2716  
 Delta R.T. -0.01 min  
 Lab File: BM024948.D  
 Acq: 19 Feb 2020 17:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 402152 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.7   | 6.1   | 9.1#   |
| 100       | 7.4   | 4.8   | 7.2#   |





#80  
 Pvrene  
 Concen: 1.753 ng/ul  
 RT: 19.22 min Scan# 2777  
 Delta R.T. -0.01 min  
 Lab File: BM024948.D  
 Acq: 19 Feb 2020 17:40

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBCW6DL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.6  | 7.0        | 10.4# |
| 100     | 9.6   | 5.8        | 8.8#  |

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