

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032620\  
 Data File : BM025810.D  
 Acq On : 26 Mar 2020 21:18  
 Operator : CG/JU  
 Sample : L1968-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CODE0

Manual Integrations  
 APPROVED

mohammad  
 3/30/2020 8:30:51 AM

Quant Time: Mar 27 01:49:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 27 00:56:05 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 184130   | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.34 | 136  | 712138   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.20 | 164  | 435426   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.95 | 188  | 945252   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.14 | 240  | 1030982  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.29 | 264  | 1170667  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 6670    | 1.52  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 85408   | 5.88  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 246299  | 29.69 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 286971  | 24.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 165382  | 13.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.71  | 128 | 181820  | 34.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 195894  | 34.81 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 346228  | 30.09 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 18829   | 1.41  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.62 | 166 | 1161546 | 35.10 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.89 | 160 | 1424615 | 35.93 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.41 | 143 | 32439   | 5.15  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.20 | 176 | 1036174 | 35.67 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 165812  | 28.75 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.05 | 188 | 1631595 | 36.96 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.35 | 212 | 1802315 | 36.39 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.16 | 264 | 2271952 | 37.91 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue   |
|--------------------------------|-------|-----|---------|--------|----------|
| 20) Nitrobenzene               | 8.75  | 77  | 52138   | 4.043  | ng/ul 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216 | 261916m | 19.018 | ng/ul    |
| 45) Dimethylphthalate          | 13.67 | 163 | 97061   | 2.818  | ng/ul 98 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216 | 752196  | 51.931 | ng/uL 99 |
| 74) Pentachlorobenzene         | 14.53 | 250 | 56852   | 3.526  | ng/uL 98 |

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

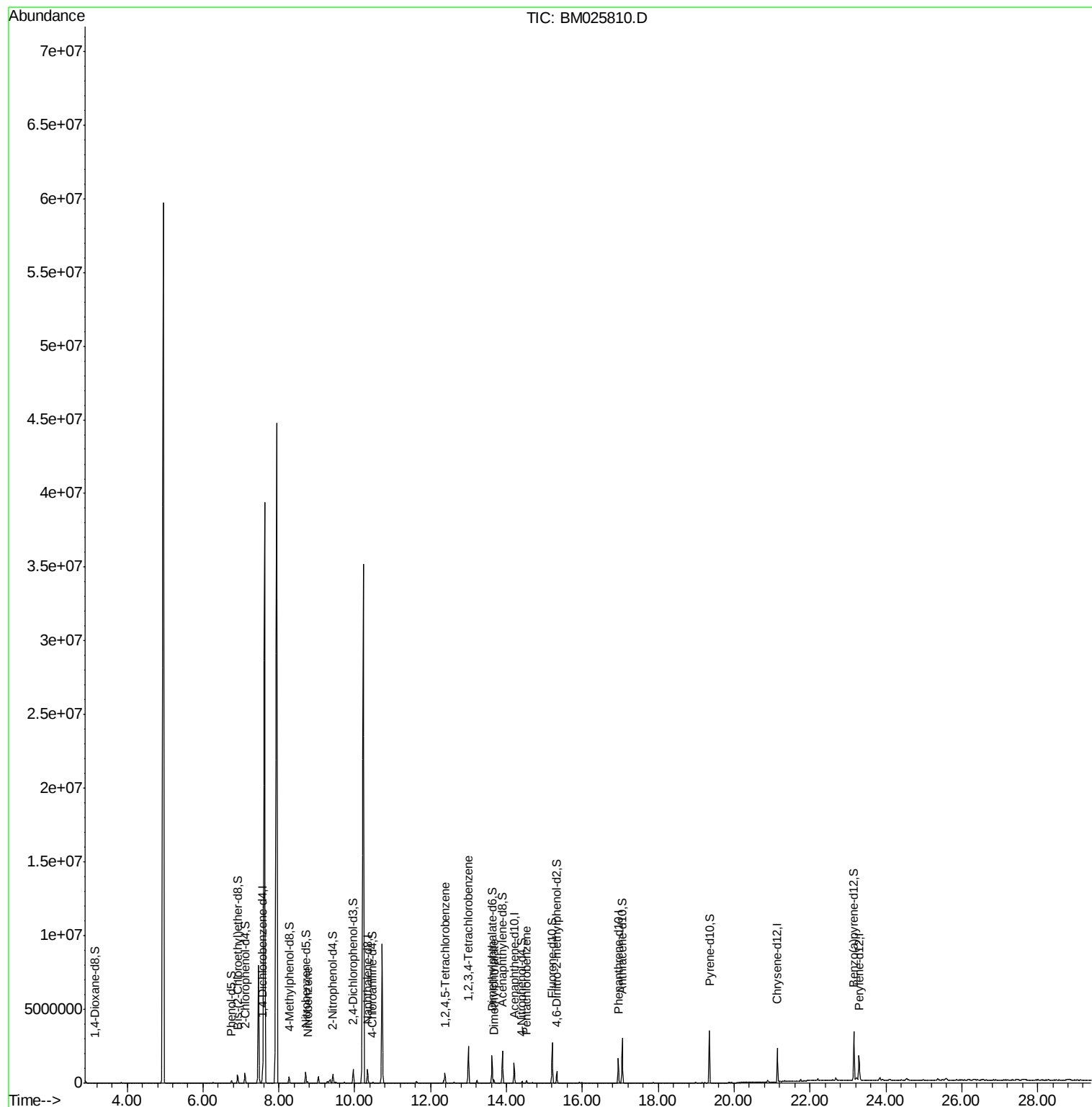
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032620\  
Data File : BM025810.D  
Acq On : 26 Mar 2020 21:18  
Operator : CG/JU  
Sample : L1968-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

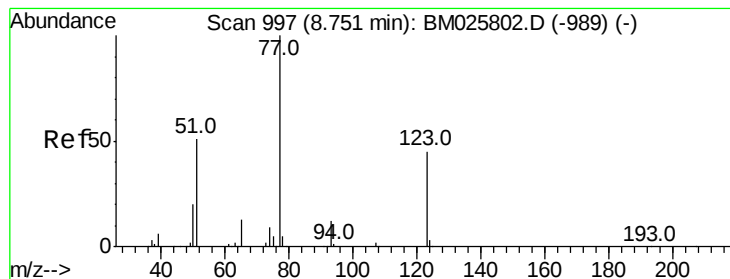
Instrument :  
BNA\_M  
ClientSampleId :  
CODE0

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Quant Time: Mar 27 01:49:11 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 27 00:56:05 2020  
Response via : Initial Calibration





#20

Nitrobenzene

Concen: 4.043 ng/ul

RT: 8.75 min Scan# 997

Delta R.T. -0.00 min

Lab File: BM025810.D

Acq: 26 Mar 2020 21:18

Instrument :

BNA\_M

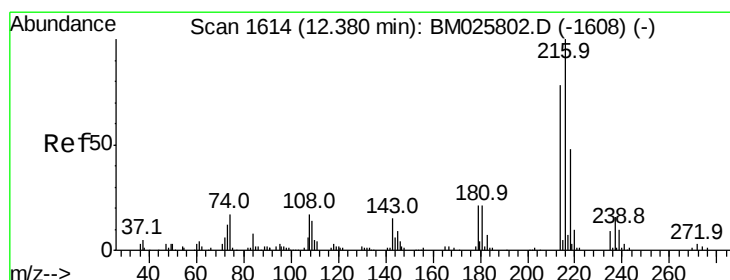
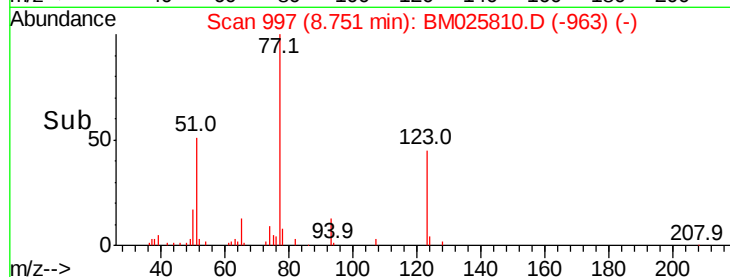
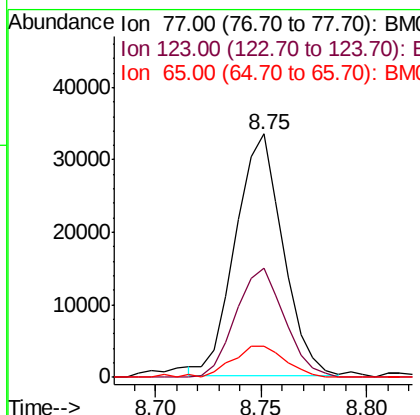
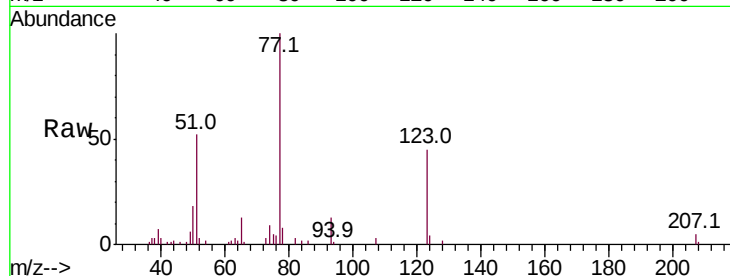
ClientSampleID :

C0DE0

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 52138 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 44.7  | 37.7  | 56.5  |
| 65       | 12.6  | 11.1  | 16.7  |

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#37

1,2,4,5-Tetrachlorobenzene

Concen: 19.018 ng/ul m

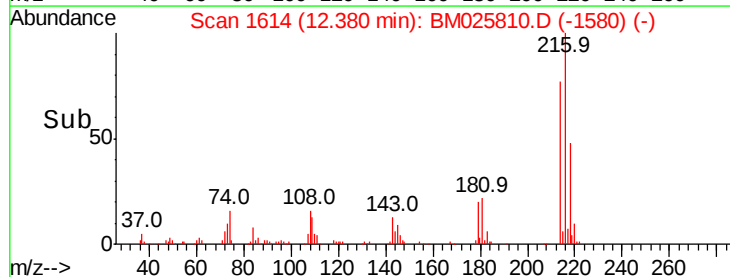
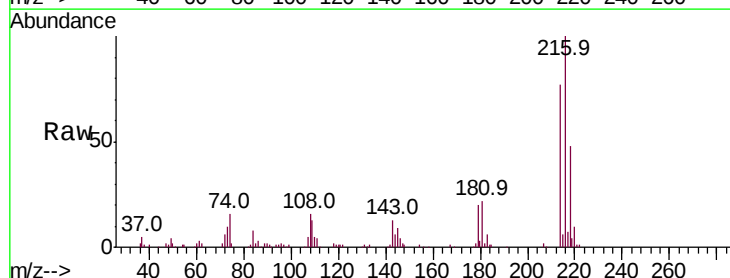
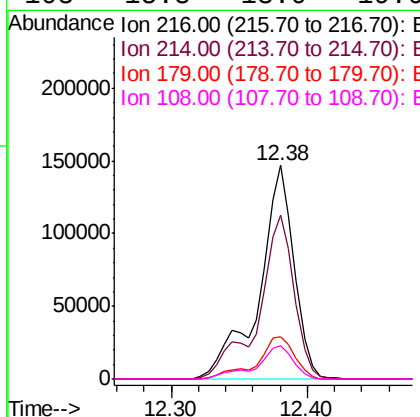
RT: 12.38 min Scan# 1614

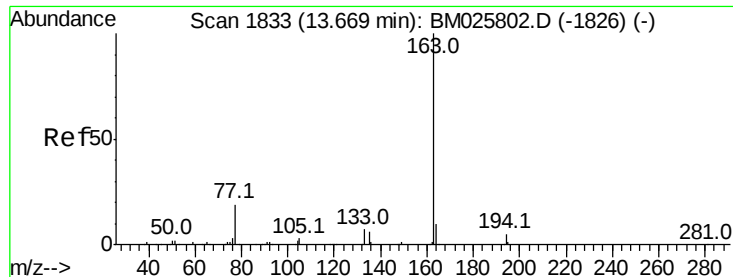
Delta R.T. -0.00 min

Lab File: BM025810.D

Acq: 26 Mar 2020 21:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 261916 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 76.9  | 61.9  | 92.9   |
| 179      | 20.0  | 16.6  | 24.8   |
| 108      | 15.8  | 13.0  | 19.6   |





#45

Dimethylphthalate

Concen: 2.818 ng/ul

RT: 13.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BM025810.D

Acq: 26 Mar 2020 21:18

Instrument :

BNA\_M

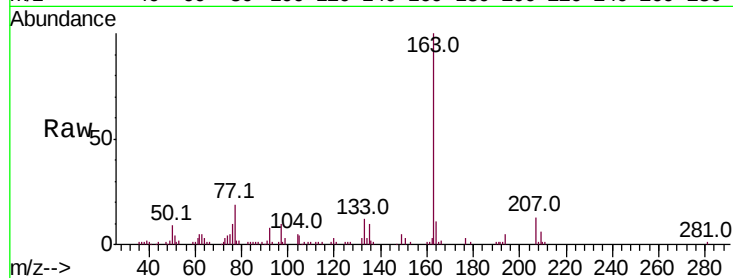
ClientSampleID :

CODE0

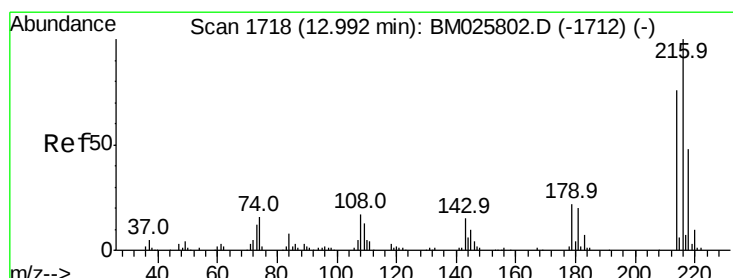
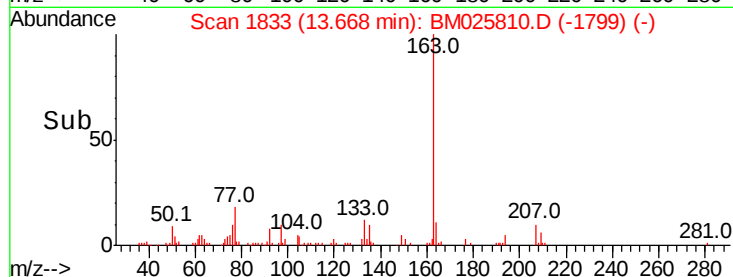
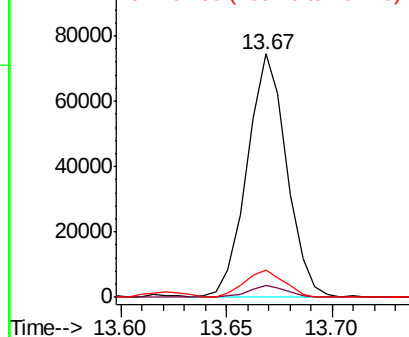
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 163   | Resp: | 97061 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 5.1   | 3.5   | 5.3   |
| 164       | 11.1  | 8.2   | 12.4  |

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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



#73

1,2,3,4-Tetrachlorobenzene

Concen: 51.931 ng/uL

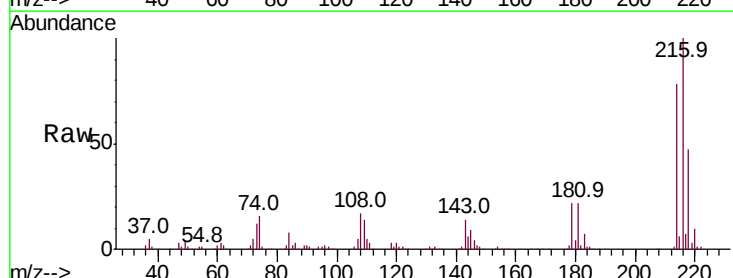
RT: 12.99 min Scan# 1718

Delta R.T. -0.00 min

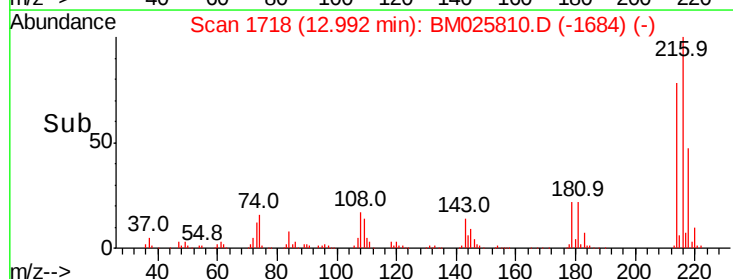
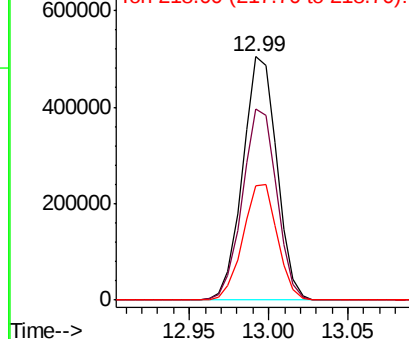
Lab File: BM025810.D

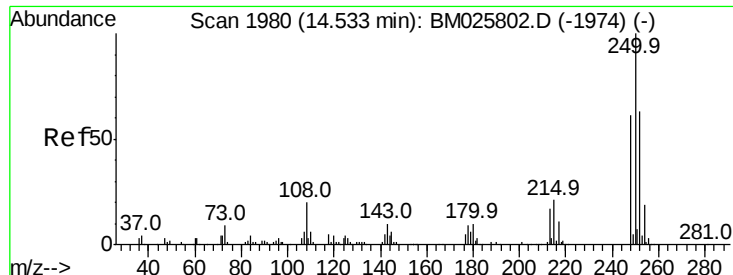
Acq: 26 Mar 2020 21:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 752196 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.4  | 61.8  | 92.6   |
| 218       | 47.1  | 37.3  | 55.9   |



Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 218.00 (217.70 to 218.70): E





#74  
 Pentachlorobenzene  
 Concen: 3.526 ng/uL  
 RT: 14.53 min Scan# 1980  
 Delta R.T. -0.00 min  
 Lab File: BM025810.D  
 Acq: 26 Mar 2020 21:18

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CODE0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 65.4  | 50.3  | 75.5  |
| 252     | 64.0  | 51.9  | 77.9  |

Manual Integrations  
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