

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032619\  
 Data File : BM019501.D  
 Acq On : 27 Mar 2019 09:56  
 Operator : JU/SJ  
 Sample : K2069-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C09E0

Manual Integrations  
 APPROVED

Sohil  
 3/28/2019 5:13:10 PM

Quant Time: Mar 28 04:53:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 27 03:30:35 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 214261   | 20.00 | ng/ul | 0.05     |
| 18) Naphthalene-d8        | 10.40 | 136  | 767182   | 20.00 | ng/ul | 0.02     |
| 36) Acenaphthene-d10      | 14.26 | 164  | 378612   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 743368   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 777849   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.45 | 264  | 910822   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 16822   | 3.07  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 128569  | 6.74  | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 313846  | 24.57 | ng/ul | 0.02 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 349183  | 24.15 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 223537  | 15.61 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 199270  | 36.41 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 219070  | 35.97 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 358647  | 31.21 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 22709   | 1.65  | ng/ul | 0.02 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 1014069 | 33.19 | ng/ul | 0.01 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 1313379 | 34.38 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.53 | 143 | 31606m  | 6.60  | ng/ul | 0.03 |
| 58) Fluorene-d10               | 15.26 | 176 | 832751  | 31.64 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 54886   | 11.17 | ng/ul | 0.01 |
| 71) Anthracene-d10             | 17.12 | 188 | 1230702 | 34.50 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 1279092 | 35.60 | ng/ul | 0.01 |
| 90) Benzo(a)pyrene-d12         | 23.31 | 264 | 1548178 | 32.06 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |         | Qvalue |    |
|--------------------------------|-------|-----|---------|---------|--------|----|
| 20) Nitrobenzene               | 8.84  | 77  | 5232055 | 321.168 | ng/ul  | 95 |
| 23) 2-Nitrophenol              | 9.53  | 139 | 11123   | 1.655   | ng/ul  | 94 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216 | 427963  | 35.522  | ng/ul# | 97 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.05 | 216 | 967663  | 89.786  | ng/uL  | 98 |
| 74) Pentachlorobenzene         | 14.58 | 250 | 29639   | 2.629   | ng/uL  | 99 |

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

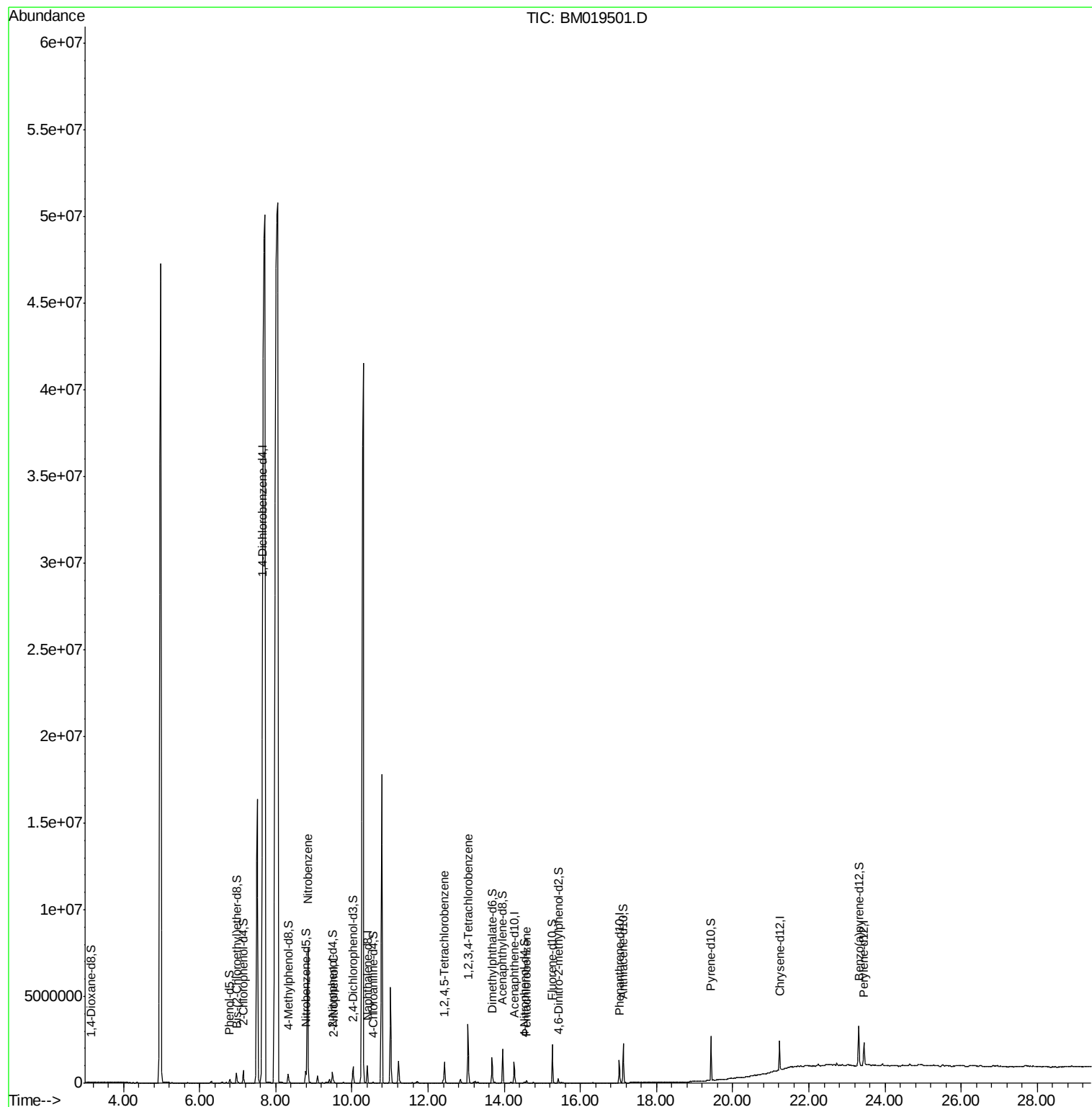
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032619\  
Data File : BM019501.D  
Acq On : 27 Mar 2019 09:56  
Operator : JU/SJ  
Sample : K2069-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

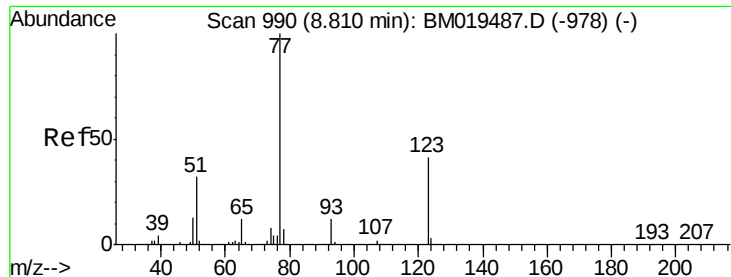
Instrument :  
BNA\_M  
ClientSampleId :  
C09E0

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Quant Time: Mar 28 04:53:30 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Mar 27 03:30:35 2019  
Response via : Initial Calibration





#20

Nitrobenzene

Concen: 321.168 ng/ul

RT: 8.84 min Scan# 995

Delta R.T. 0.03 min

Lab File: BM019501.D

Acq: 27 Mar 2019 09:56

Instrument :

BNA\_M

ClientSampled :

C09E0

Tgt Ion: 77 Resp: 5232055

Ion Ratio Lower Upper

77 100

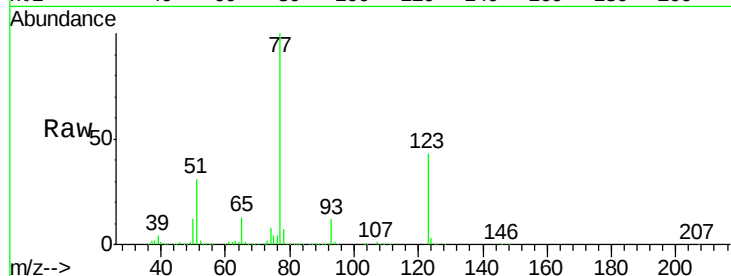
123 43.2 31.8 47.8

65 12.6 10.6 16.0

Manual Integrations  
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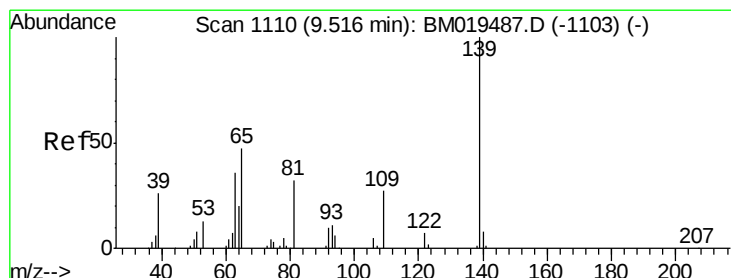
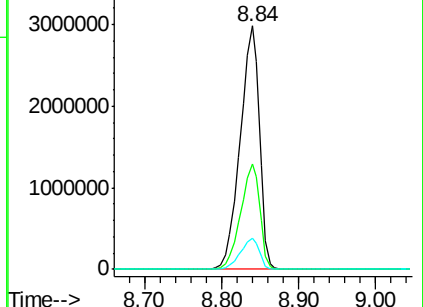
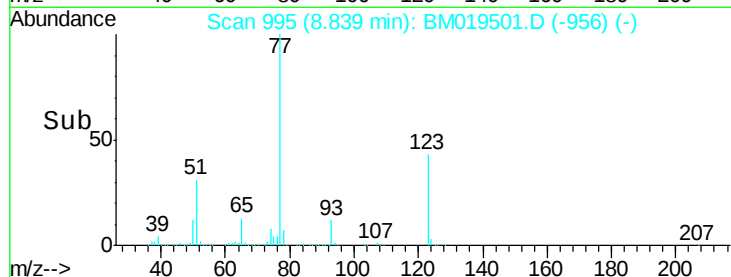
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Abundance Ion 77.00 (76.70 to 77.70): BM019487.D (-978) (-)

Ion 123.00 (122.70 to 123.70): BM019487.D (-978) (-)

Ion 65.00 (64.70 to 65.70): BM019487.D (-978) (-)



#23

2-Nitrophenol

Concen: 1.655 ng/ul

RT: 9.53 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BM019501.D

Acq: 27 Mar 2019 09:56

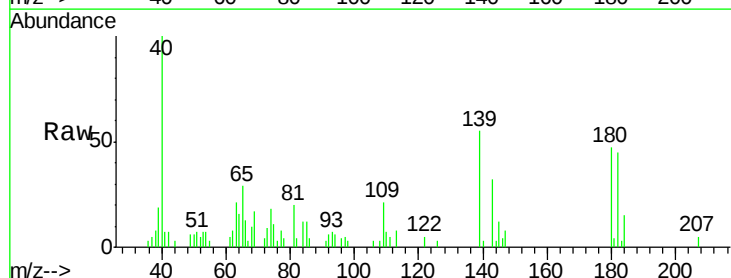
Tgt Ion: 139 Resp: 11123

Ion Ratio Lower Upper

139 100

65 53.2 45.3 67.9

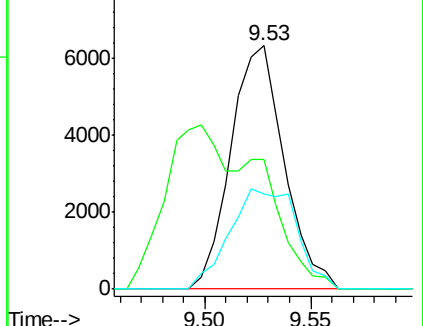
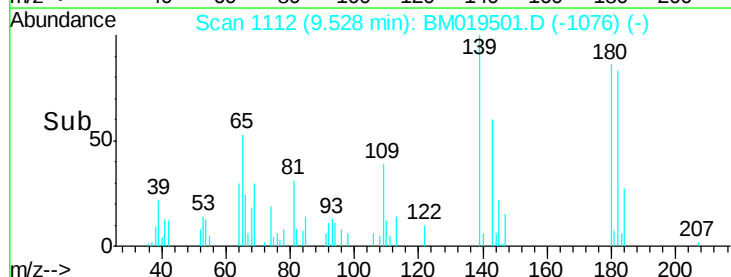
109 39.1 27.7 41.5

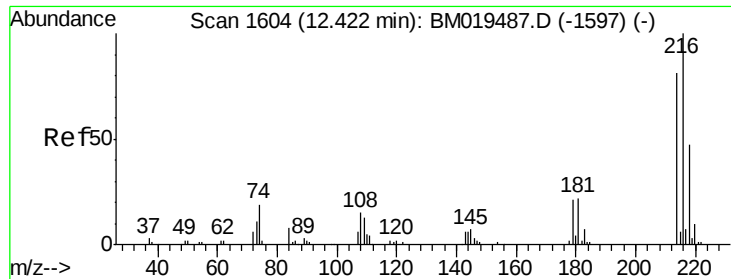


Abundance Ion 139.00 (138.70 to 139.70): BM019487.D (-1103) (-)

Ion 65.00 (64.70 to 65.70): BM019487.D (-1103) (-)

Ion 109.00 (108.70 to 109.70): BM019487.D (-1103) (-)





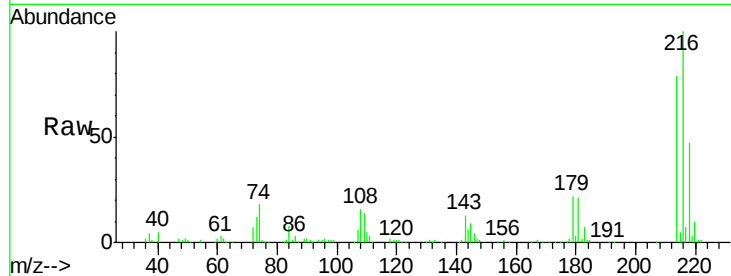
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 35.522 ng/uL  
 RT: 12.43 min Scan# 1606  
 Delta R.T. 0.01 min  
 Lab File: BM019501.D  
 Acq: 27 Mar 2019 09:56

Instrument :  
 BNA\_M  
 ClientSampled :  
 C09E0

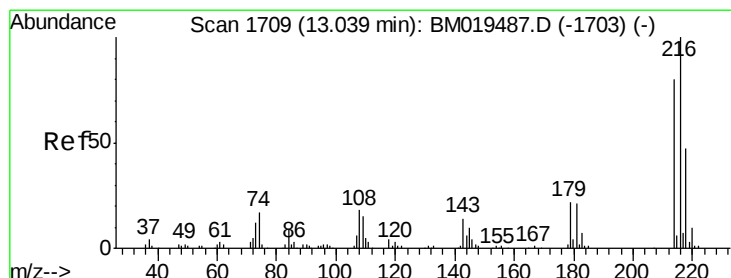
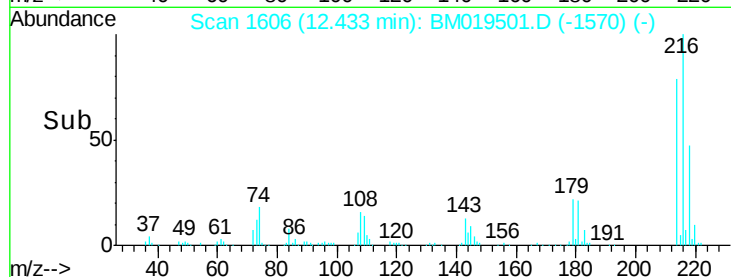
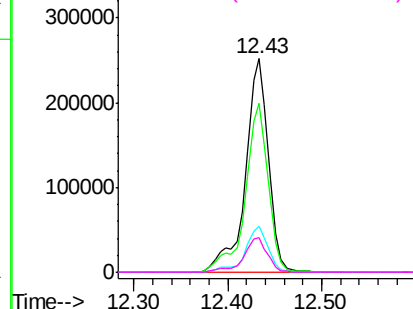
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 216     | 100   |            |            |
| 214     | 79.3  | 64.1       | 96.1       |
| 179     | 21.6  | 14.5       | 21.7       |
| 108     | 16.0  | 10.4       | 15.6       |

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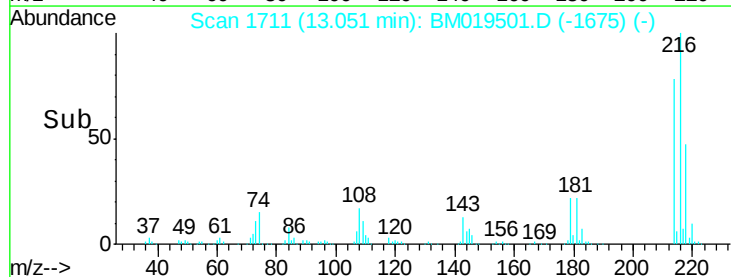
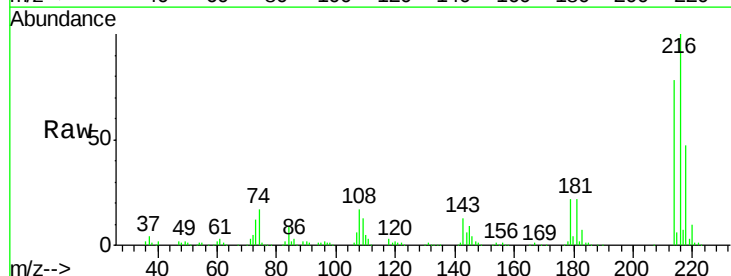
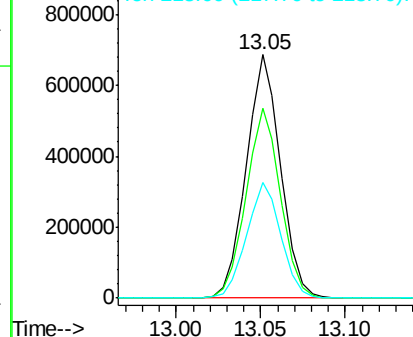
Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

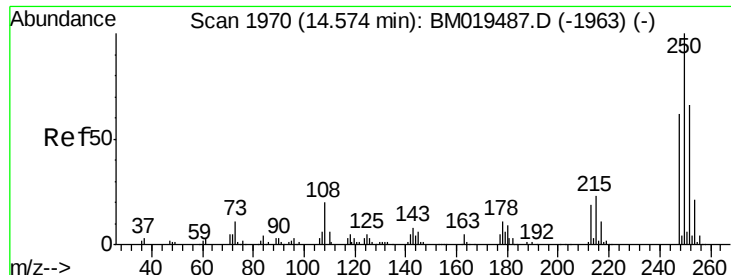


#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 89.786 ng/uL  
 RT: 13.05 min Scan# 1711  
 Delta R.T. 0.01 min  
 Lab File: BM019501.D  
 Acq: 27 Mar 2019 09:56

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 216     | 100   |            |            |
| 214     | 78.1  | 64.1       | 96.1       |
| 218     | 47.3  | 39.4       | 59.0       |

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: 2.629 ng/uL  
 RT: 14.58 min Scan# 1971  
 Delta R.T. 0.01 min  
 Lab File: BM019501.D  
 Acq: 27 Mar 2019 09:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C09E0

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 250     | 100   |            |            |
| 248     | 63.5  | 51.4       | 77.2       |
| 252     | 63.5  | 49.8       | 74.6       |

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