

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\  
 Data File : BM012353.D  
 Acq On : 21 Oct 2017 11:34  
 Operator : SJ/JU  
 Sample : I5701-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0CF7

Manual Integrations  
 APPROVED

Sohil  
 10/23/2017 3:59:21 PM

Quant Time: Oct 23 05:56:58 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 23 05:01:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 141303   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.57 | 136  | 645085   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.42 | 164  | 411731   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 999576   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1298735  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.65 | 264  | 1254786  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 8778    | 2.95  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.95  | 99  | 165847  | 14.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 110804  | 16.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 154046  | 15.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 145306  | 14.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.94  | 128 | 75777   | 15.39 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 89642   | 15.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 156197  | 14.22 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.73 | 131 | 189989  | 18.48 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.83 | 166 | 630657  | 17.33 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 734886  | 16.68 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.71 | 143 | 43126m  | 7.88  | ng/ul | 0.05 |
| 57) Fluorene-d10               | 15.42 | 176 | 546758  | 18.31 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 55749   | 8.13  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 858312  | 17.37 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.57 | 212 | 1084444 | 16.45 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.50 | 264 | 1059943 | 17.52 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                | 6.98  | 94  | 30592  | 2.581 | ng/ul# | 83 |
| 44) Dimethylphthalate    | 13.88 | 163 | 194245 | 5.328 | ng/ul  | 97 |
| 69) Phenanthrene         | 17.21 | 178 | 92143  | 1.620 | ng/ul  | 98 |
| 74) Fluoranthene         | 19.24 | 202 | 188205 | 2.743 | ng/ul  | 99 |
| 77) Pyrene               | 19.60 | 202 | 184131 | 2.147 | ng/ul  | 98 |
| 80) Benzo(a)anthracene   | 21.34 | 228 | 109067 | 1.291 | ng/ul  | 97 |
| 82) Chrysene             | 21.39 | 228 | 110859 | 1.397 | ng/ul  | 97 |
| 85) Benzo(b)fluoranthene | 22.97 | 252 | 142282 | 1.738 | ng/ul# | 91 |
| 88) Benzo(a)pyrene       | 23.55 | 252 | 94205  | 1.221 | ng/ul# | 90 |

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

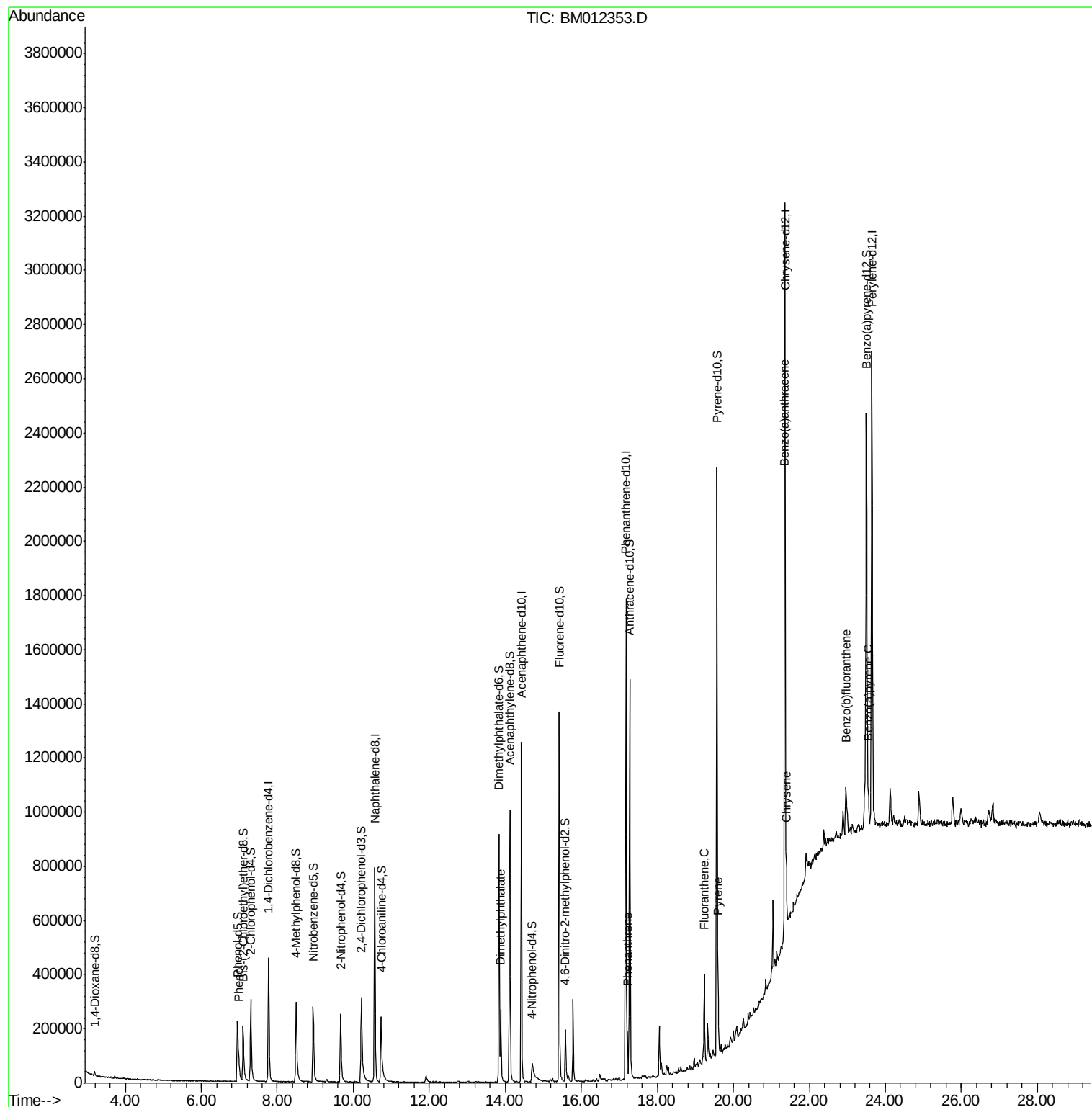
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\  
Data File : BM012353.D  
Acq On : 21 Oct 2017 11:34  
Operator : SJ/JU  
Sample : I5701-05  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

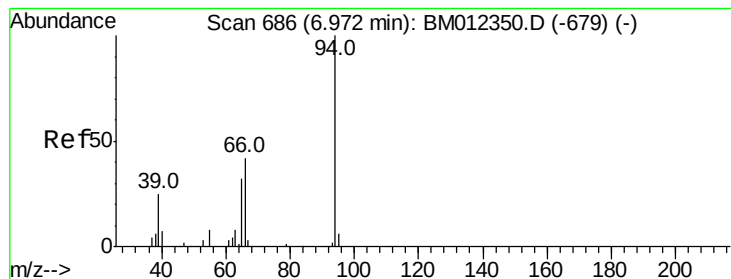
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Oct 23 05:56:58 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 23 05:01:01 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 2.581 ng/ul

RT: 6.98 min Scan# 687

Delta R.T. 0.01 min

Lab File: BM012353.D

Acq: 21 Oct 2017 11:34

Instrument :

BNA\_M

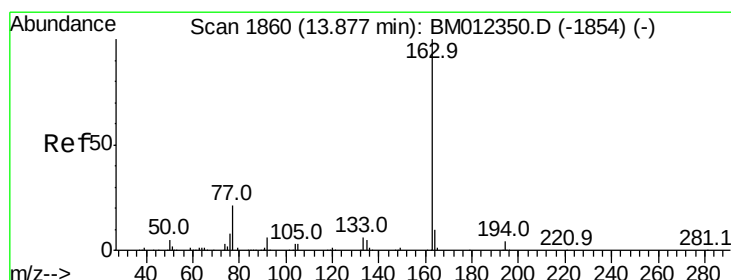
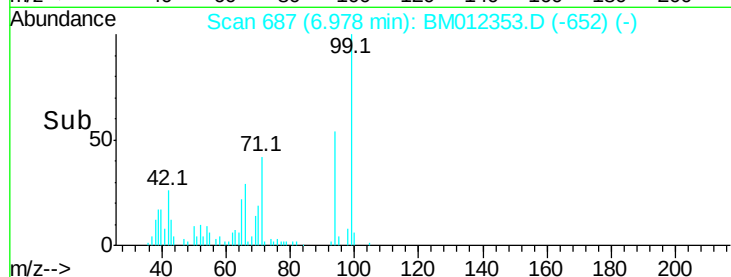
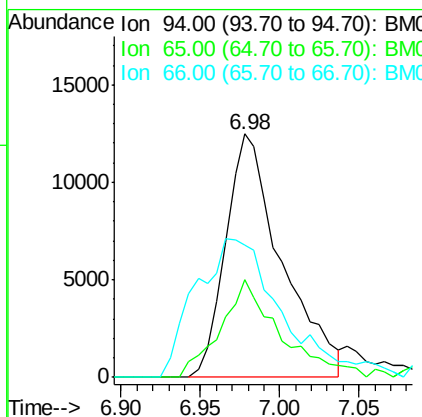
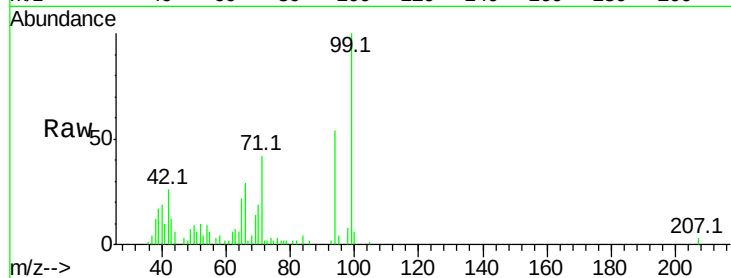
ClientSampleId :

B0CF7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 94    | Resp: | 30592 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 40.3  | 24.4  | 36.6# |
| 66        | 54.5  | 35.0  | 52.4# |

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#44

Dimethylphthalate

Concen: 5.328 ng/ul

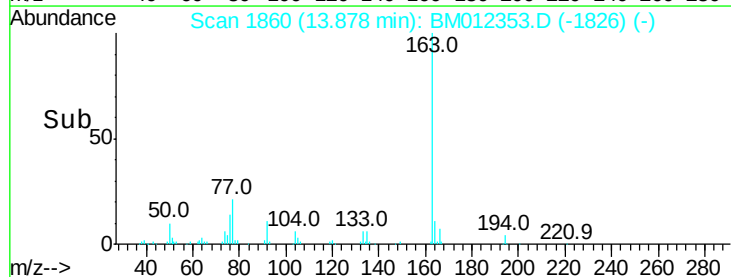
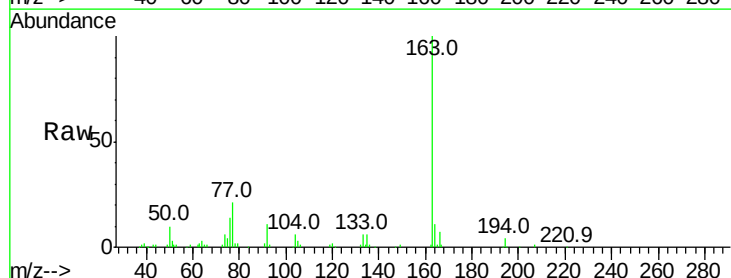
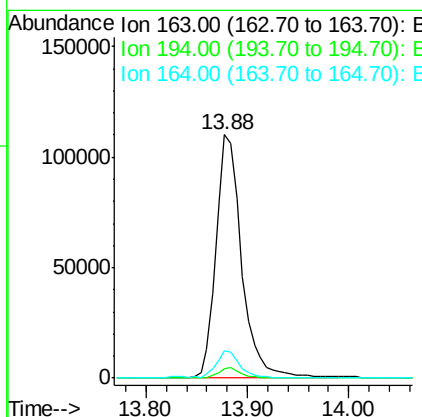
RT: 13.88 min Scan# 1860

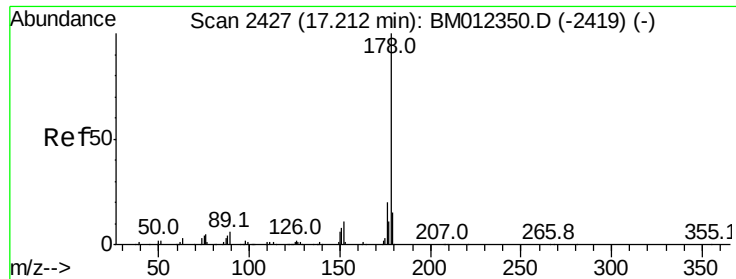
Delta R.T. 0.00 min

Lab File: BM012353.D

Acq: 21 Oct 2017 11:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 194245 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.7   | 3.7   | 5.5    |
| 164       | 11.1  | 8.1   | 12.1   |





#69

Phenanthrene

Concen: 1.620 ng/ul

RT: 17.21 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BM012353.D

Acq: 21 Oct 2017 11:34

Instrument :

BNA\_M

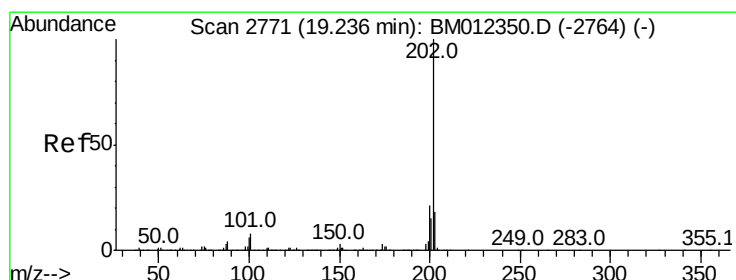
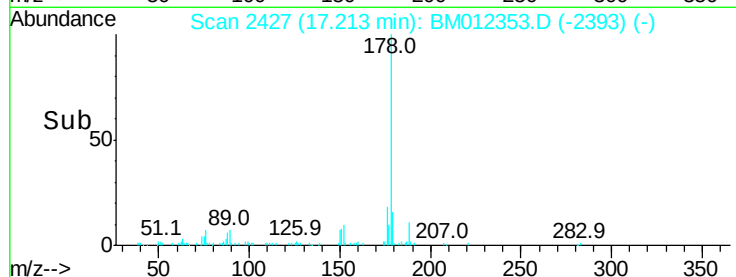
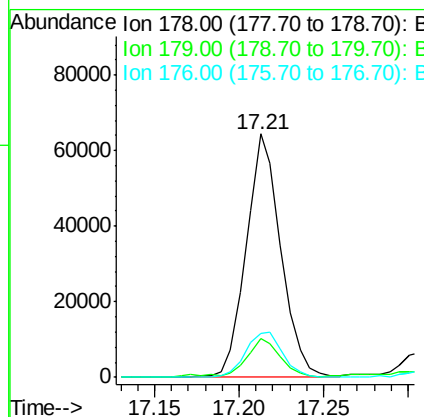
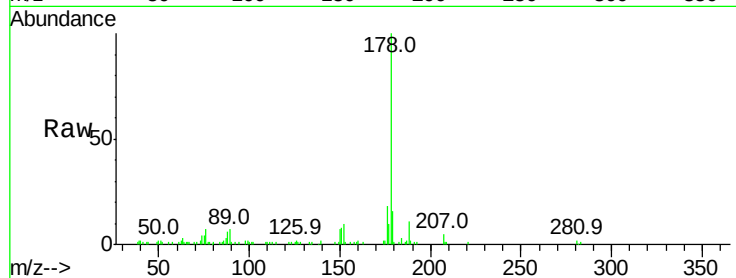
ClientSampleId :

B0CF7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.1  | 12.0  | 18.0  |
| 176     | 18.1  | 15.0  | 22.6  |

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#74

Fluoranthene

Concen: 2.743 ng/ul

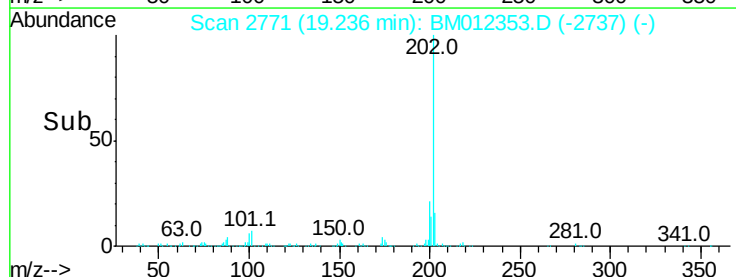
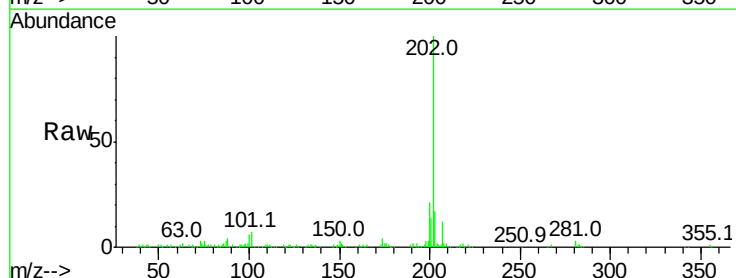
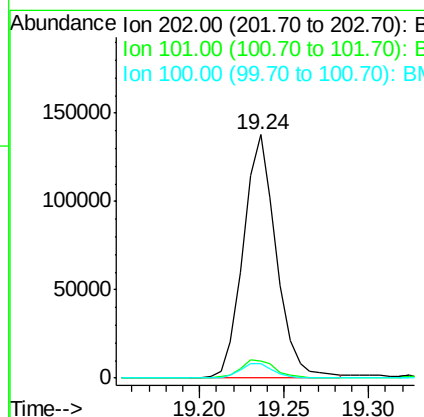
RT: 19.24 min Scan# 2771

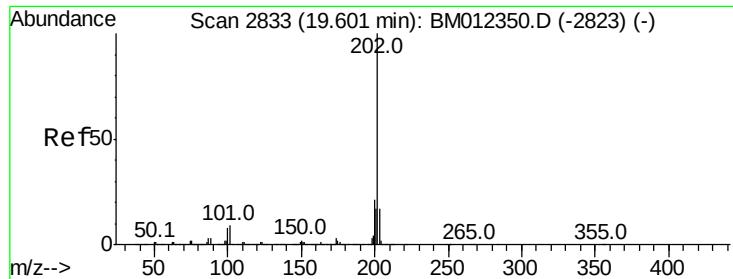
Delta R.T. 0.00 min

Lab File: BM012353.D

Acq: 21 Oct 2017 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.8   | 5.8   | 8.6   |
| 100     | 5.9   | 4.3   | 6.5   |





#77

Pvrene

Concen: 2.147 ng/ul

RT: 19.60 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM012353.D

Acq: 21 Oct 2017 11:34

Instrument :

BNA\_M

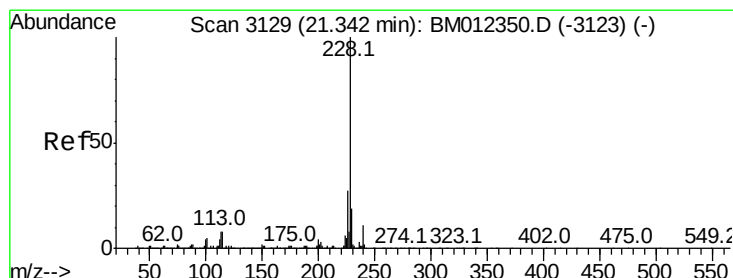
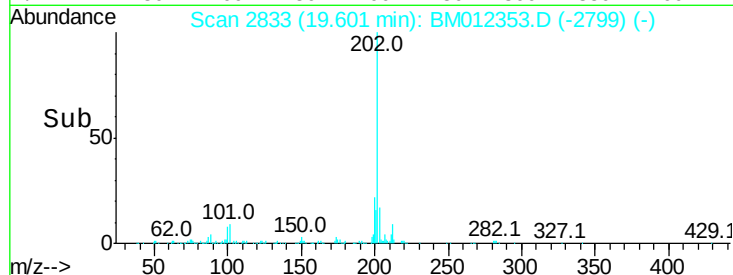
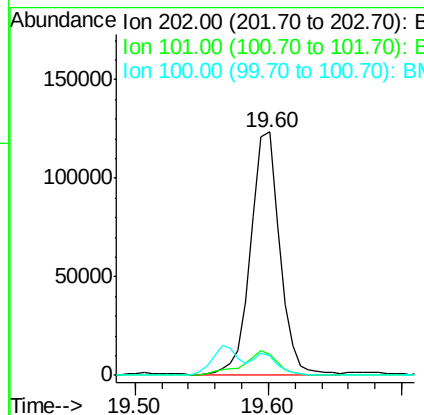
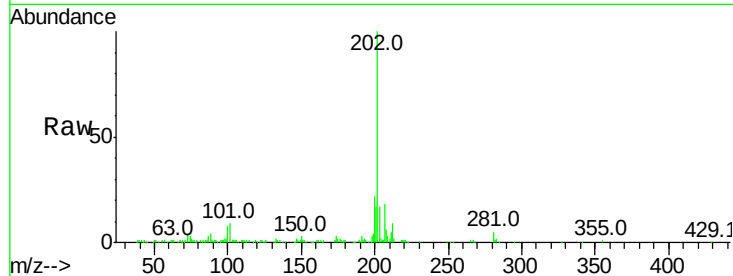
ClientSampleId :

B0CF7

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 8.7   | 6.5        | 9.7   |
| 100     | 7.9   | 5.6        | 8.4   |

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#80

Benzo(a)anthracene

Concen: 1.291 ng/ul

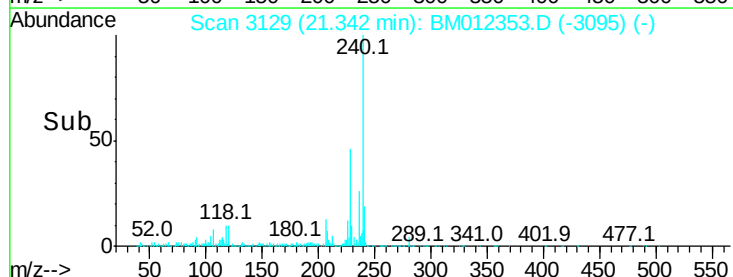
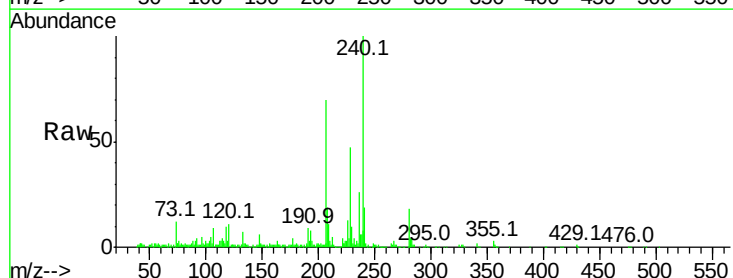
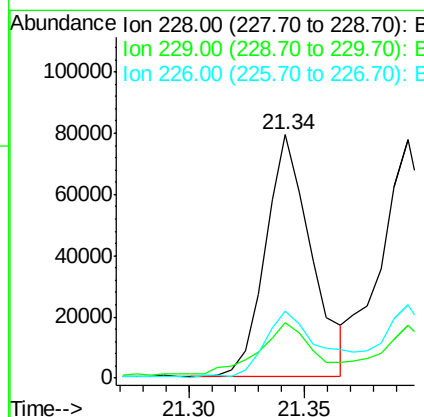
RT: 21.34 min Scan# 3129

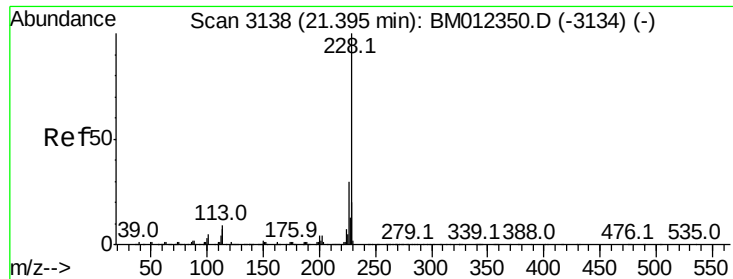
Delta R.T. 0.00 min

Lab File: BM012353.D

Acq: 21 Oct 2017 11:34

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 22.6  | 15.8       | 23.8  |
| 226     | 27.4  | 21.4       | 32.2  |





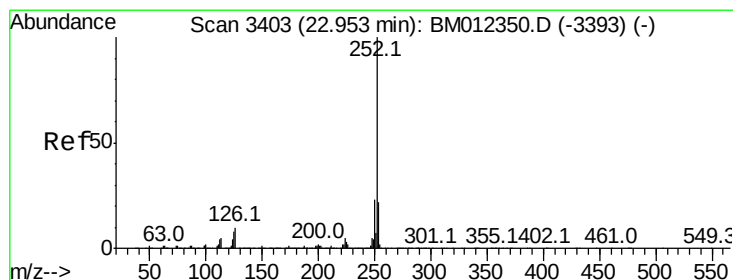
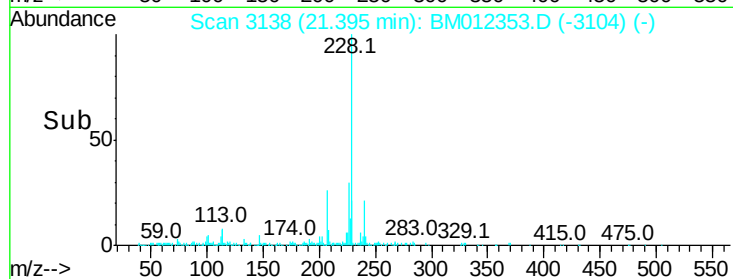
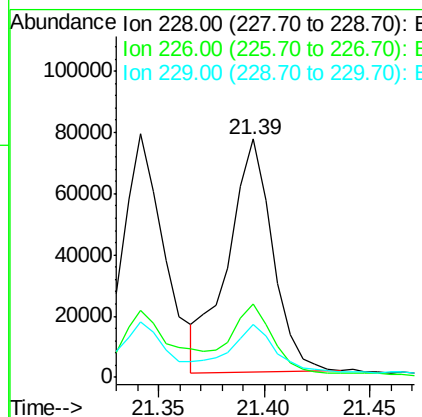
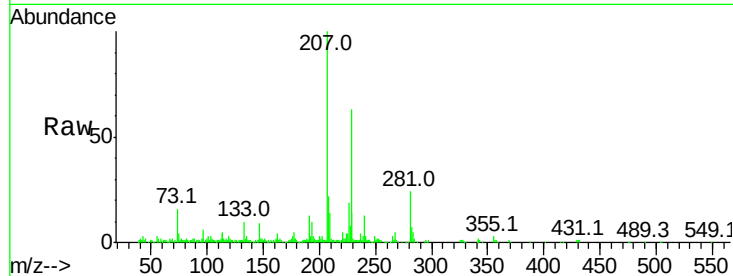
#82  
Chrysene  
Concen: 1.397 ng/ul  
RT: 21.39 min Scan# 3138  
Delta R.T. 0.00 min  
Lab File: BM012353.D  
Acq: 21 Oct 2017 11:34

Instrument :  
BNA\_M  
ClientSampleId :  
B0CF7

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 110859 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.6  | 24.0  | 36.0   |
| 229       | 22.0  | 15.5  | 23.3   |

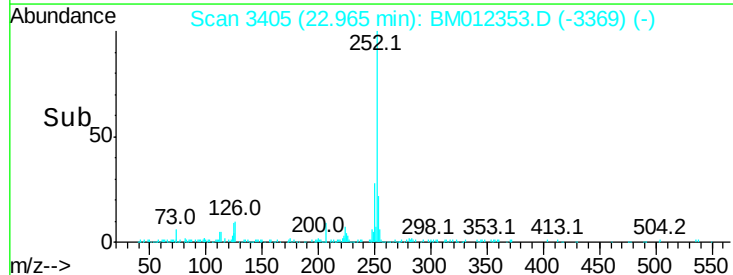
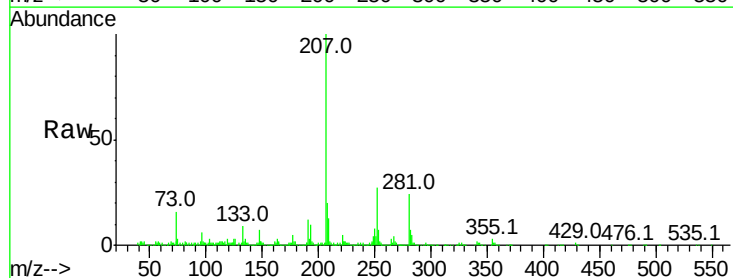
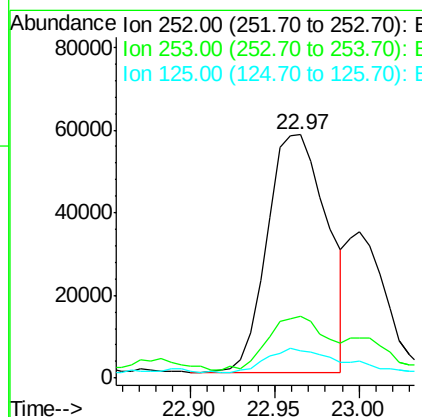
Manual Integrations  
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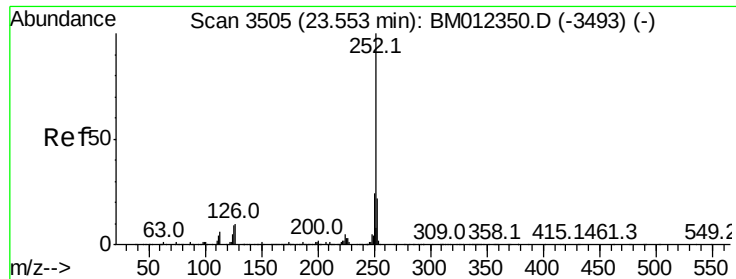
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#85  
Benzo(b)fluoranthene  
Concen: 1.738 ng/ul  
RT: 22.97 min Scan# 3405  
Delta R.T. 0.01 min  
Lab File: BM012353.D  
Acq: 21 Oct 2017 11:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 142282 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 25.6  | 17.4  | 26.2   |
| 125       | 11.1  | 5.1   | 7.7#   |





#88

Benzo(a)pyrene

Concen: 1.221 ng/ul

RT: 23.55 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BM012353.D

Acq: 21 Oct 2017 11:34

Instrument :

BNA\_M

ClientSampleId :

B0CF7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 94205 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.9  | 17.1  | 25.7# |
| 125       | 11.0  | 5.2   | 7.8#  |

Manual Integrations  
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