

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071916\  
 Data File : BM006531.D  
 Acq On : 19 Jul 2016 20:23  
 Operator : UM/SJ  
 Sample : H4029-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJA5

## Manual Integrations

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 7/20/2016 7:47:55 PM

Quant Time: Jul 20 04:52:24 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 20 04:22:37 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 153116   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 630145   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 356853   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 809482   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 970034   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.41 | 264  | 1035632  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 4720   | 1.30  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 172398 | 13.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 116181 | 15.26 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 140296 | 13.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 139391 | 13.98 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 64134  | 13.43 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 64862  | 12.01 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 125975 | 12.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 184767 | 17.35 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.67 | 166 | 397922 | 13.62 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 500247 | 13.85 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.49 | 143 | 48022m | 9.47  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 366156 | 14.10 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 34324  | 7.33  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 572962 | 14.97 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 666191 | 15.15 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.27 | 264 | 719191 | 15.19 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |        |      |        | Qvalue |
|--------------------------|-------|-----|--------|------|--------|--------|
| 44) Dimethylphthalate    | 13.72 | 163 | 229311 | 7.74 | ng/ul  | 98     |
| 74) Fluoranthene         | 19.08 | 202 | 91336  | 1.77 | ng/ul  | 97     |
| 77) Pyrene               | 19.44 | 202 | 96727  | 1.67 | ng/ul# | 95     |
| 80) Benzo(a)anthracene   | 21.20 | 228 | 71030m | 1.20 | ng/ul  |        |
| 82) Chrysene             | 21.24 | 228 | 63420  | 1.14 | ng/ul  | 99     |
| 85) Benzo(b)fluoranthene | 22.76 | 252 | 85509  | 1.38 | ng/ul  | 97     |
| 88) Benzo(a)pyrene       | 23.31 | 252 | 73004  | 1.23 | ng/ul  | 97     |

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

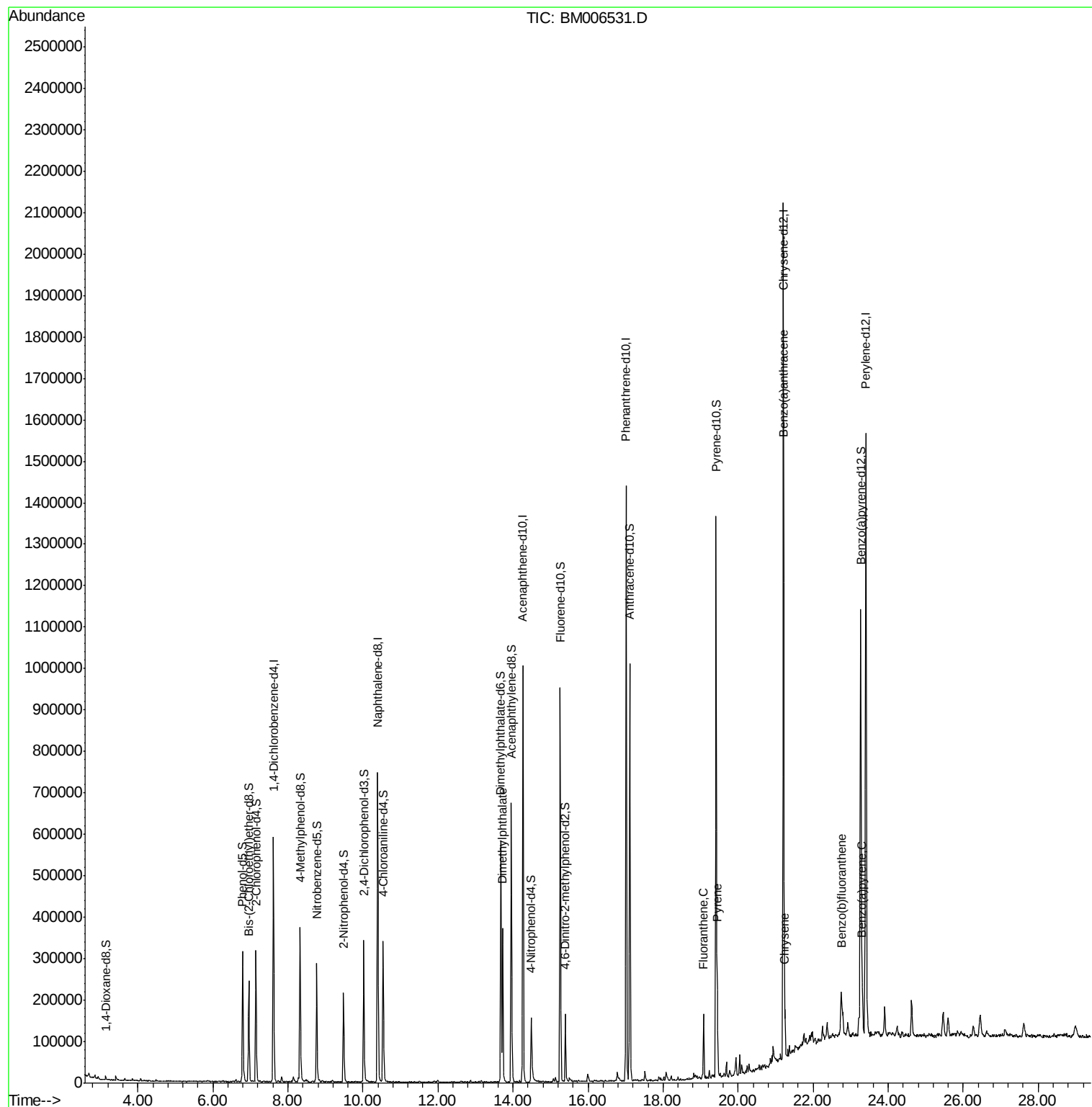
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071916\  
Data File : BM006531.D  
Acq On : 19 Jul 2016 20:23  
Operator : UM/SJ  
Sample : H4029-06  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

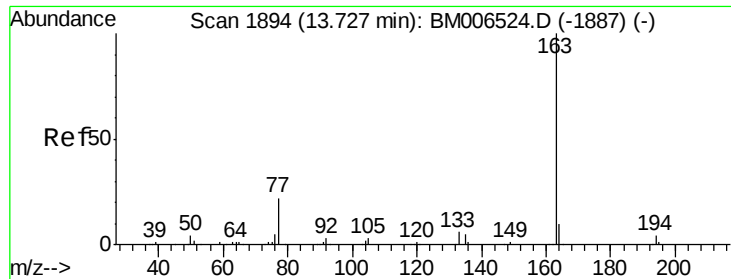
Instrument :  
BNA\_M  
ClientSampleId :  
BDJA5

Manual Integrations

Quant Time: Jul 20 04:52:24 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 20 04:22:37 2016  
Response via : Initial Calibration

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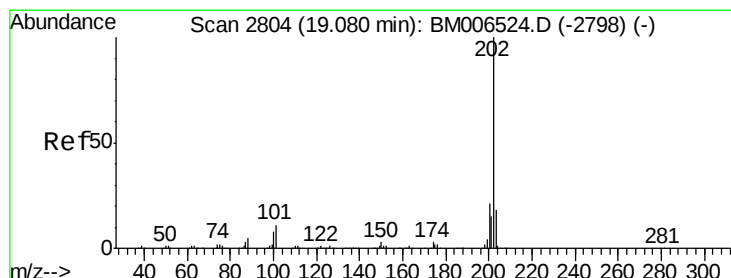
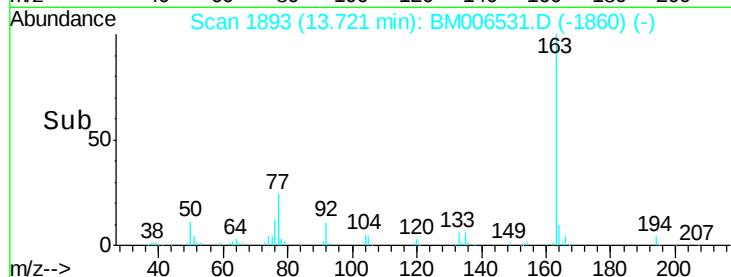
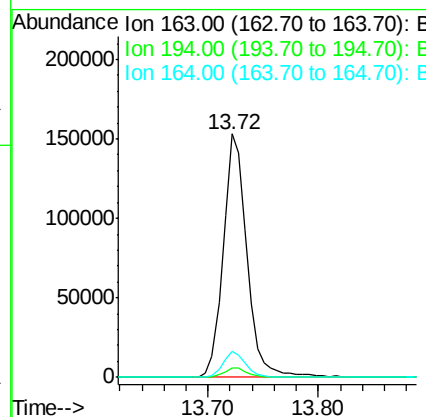
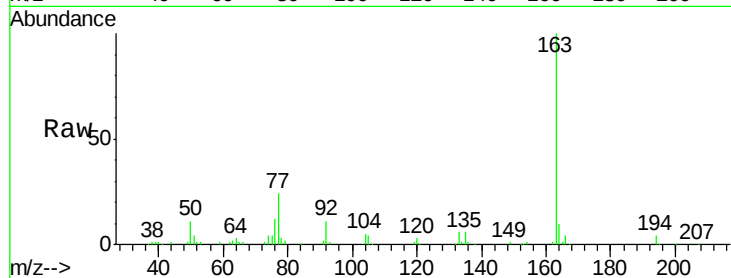
#44  
Dimethylphthalate  
Concen: 7.74 ng/ul  
RT: 13.72 min Scan# 1893  
Delta R.T. -0.01 min  
Lab File: BM006531.D  
Acq: 19 Jul 2016 20:23

Instrument :  
BNA\_M  
ClientSampleId :  
BDJA5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.4   | 5.0   |
| 164     | 10.5  | 7.8   | 11.8  |

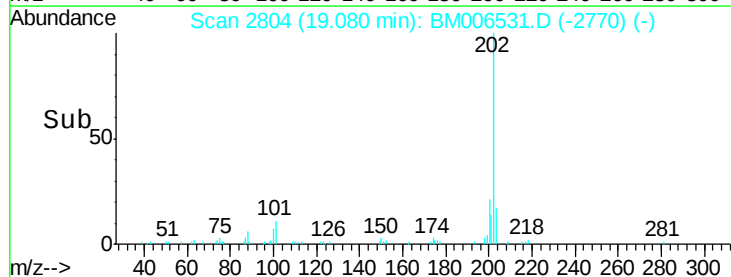
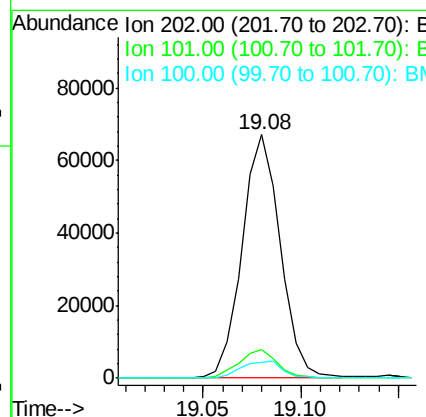
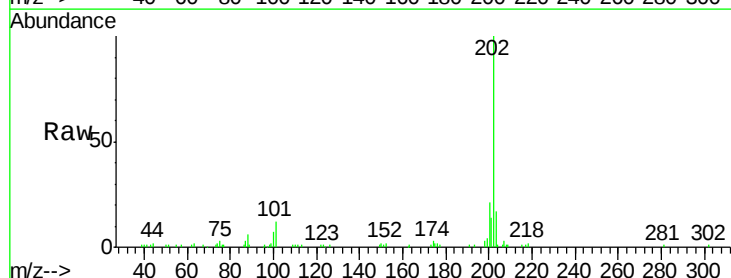
Manual Integrations

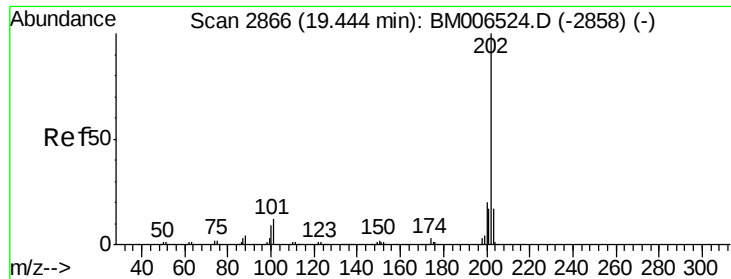
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#74  
Fluoranthene  
Concen: 1.77 ng/ul  
RT: 19.08 min Scan# 2804  
Delta R.T. 0.00 min  
Lab File: BM006531.D  
Acq: 19 Jul 2016 20:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.8  | 8.6   | 12.8  |
| 100     | 6.7   | 6.4   | 9.6   |





#77

Pyrene

Concen: 1.67 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006531.D

Acq: 19 Jul 2016 20:23

Instrument :

BNA\_M

ClientSampleId :

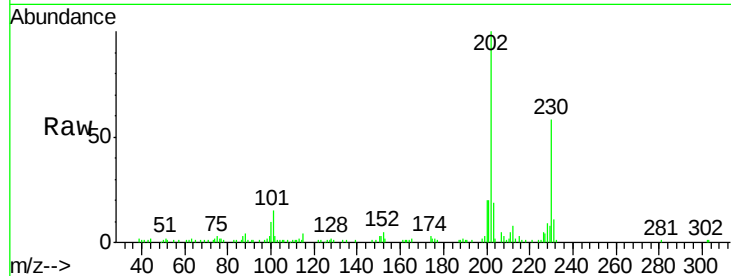
BDJA5

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 96727 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 15.3  | 10.0  | 15.0# |
| 100       | 10.5  | 7.9   | 11.9  |

Manual Integrations

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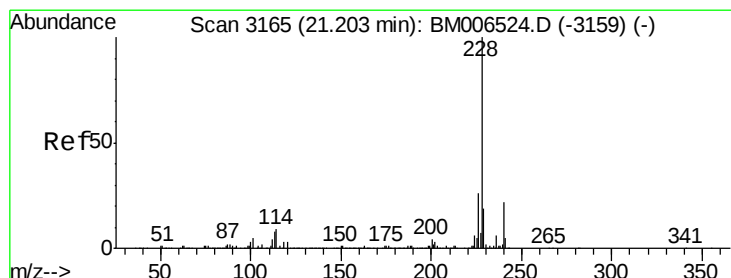
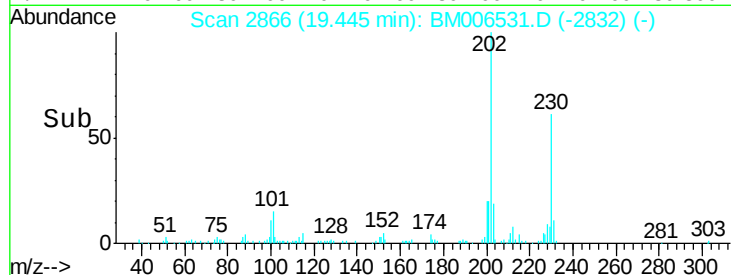
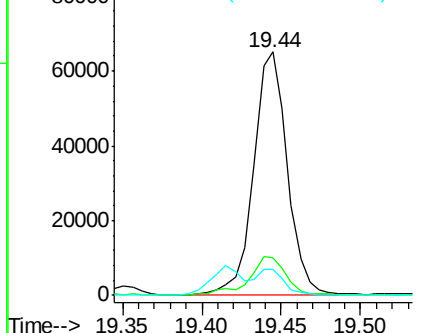
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 1.20 ng/ul m

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006531.D

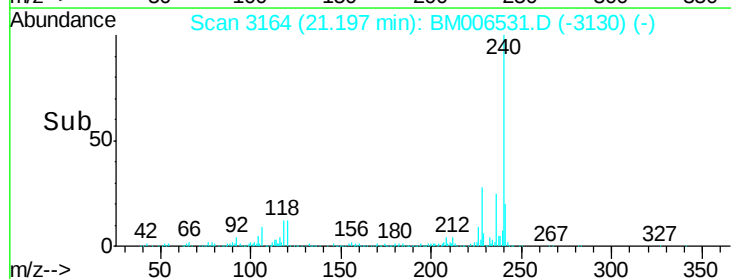
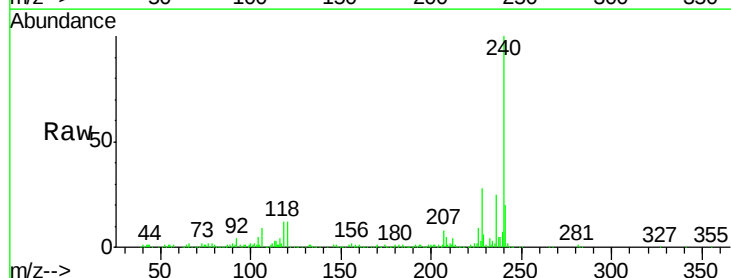
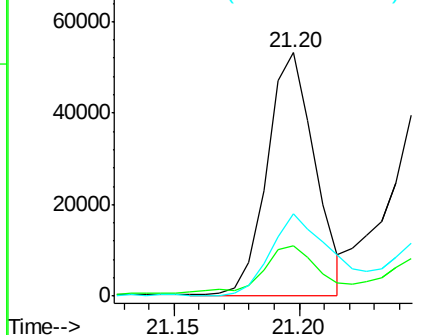
Acq: 19 Jul 2016 20:23

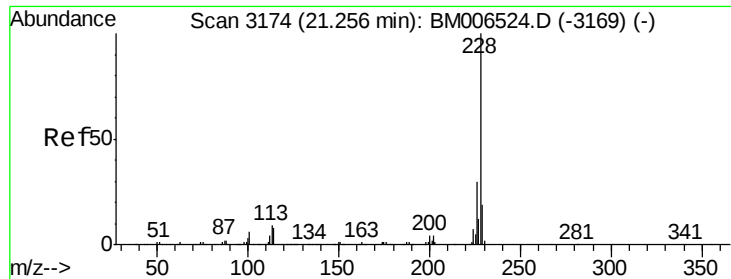
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 71030 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.7  | 15.6  | 23.4  |
| 226       | 33.6  | 21.4  | 32.2# |

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





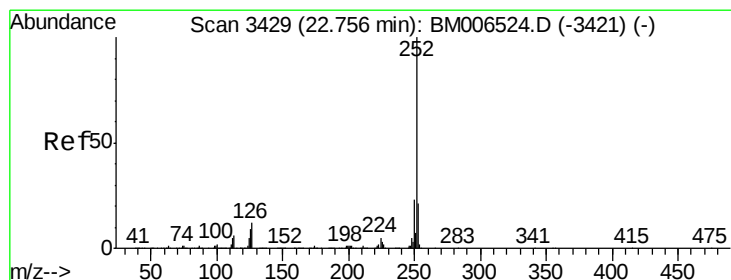
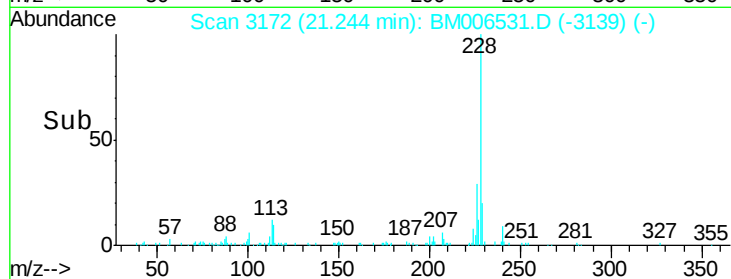
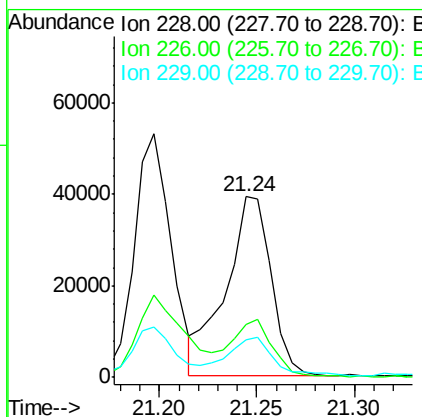
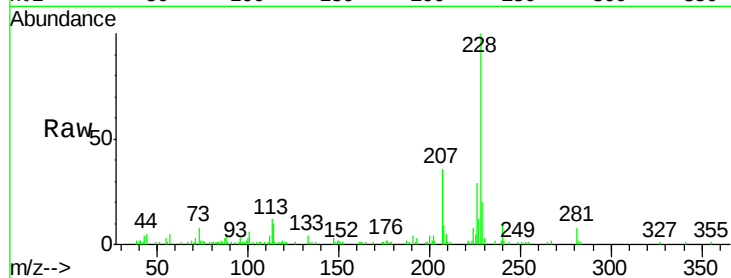
#82  
Chrysene  
Concen: 1.14 ng/ul  
RT: 21.24 min Scan# 3172  
Delta R.T. -0.01 min  
Lab File: BM006531.D  
Acq: 19 Jul 2016 20:23

Instrument :  
BNA\_M  
ClientSampleId :  
BDJA5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.1  | 23.3  | 34.9  |
| 229     | 20.4  | 15.8  | 23.8  |

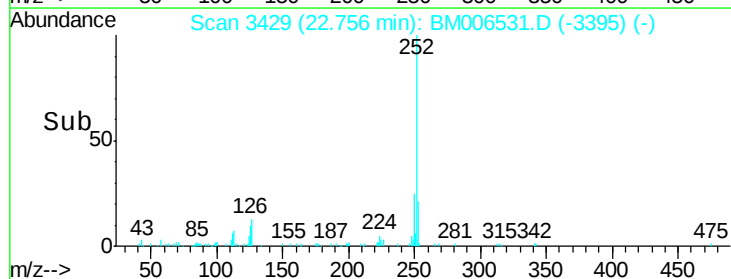
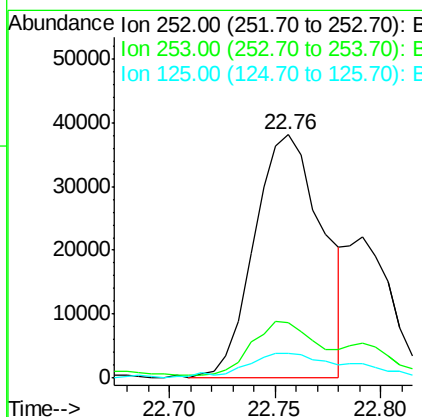
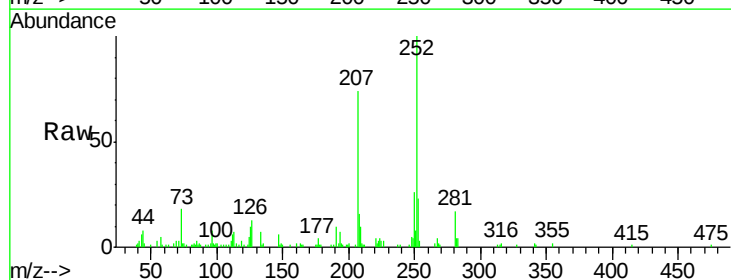
Manual Integrations

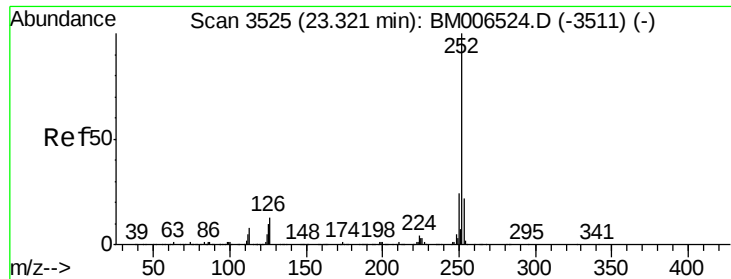
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#85  
Benzo(b)fluoranthene  
Concen: 1.38 ng/ul  
RT: 22.76 min Scan# 3429  
Delta R.T. 0.00 min  
Lab File: BM006531.D  
Acq: 19 Jul 2016 20:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.4  | 26.2  |
| 125     | 9.9   | 6.7   | 10.1  |





#88

Benzo(a)pyrene

Concen: 1.23 ng/ul

RT: 23.31 min Scan# 3523

Delta R.T. -0.01 min

Lab File: BM006531.D

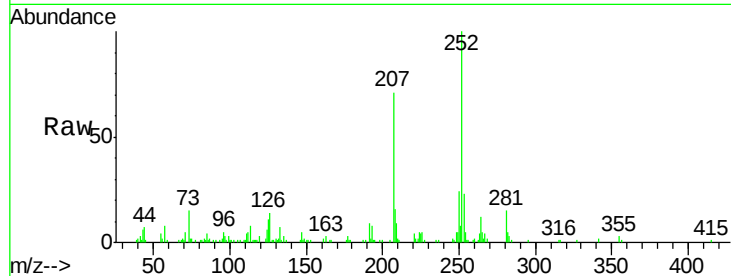
Acq: 19 Jul 2016 20:23

Instrument :

BNA\_M

ClientSampleId :

BDJA5



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.4  | 26.2  |
| 125     | 10.9  | 7.6   | 11.4  |

Manual Integrations

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