

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\  
 Data File : BE096110.D  
 Acq On : 24 Apr 2018 6:12  
 Operator : SJ/JU  
 Sample : J2434-07DL 10X  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AC2DL

Manual Integrations  
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Sohil  
 4/24/2018 7:11:31 PM

Quant Time: Apr 24 17:16:41 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 24 06:59:54 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.38  | 152  | 2144     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.20 | 136  | 6040     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.97 | 164  | 3395     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.68 | 188  | 7406     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.77 | 240  | 8332     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.38 | 264  | 7269     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.76 | 152  | 240      | 0.02   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.66 | 212  | 588      | 0.02   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 11.25 | 128  | 2044     | 0.121  | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 12.83 | 142  | 1553     | 0.136  | ng/ul  | 98       |
| 7) Acenaphthylene           | 14.70 | 152  | 809      | 0.046  | ng/ul# | 86       |
| 8) Acenaphthene             | 15.03 | 153  | 286      | 0.023  | ng/ul# | 85       |
| 9) Fluorene                 | 15.99 | 166  | 334      | 0.023  | ng/ul# | 84       |
| 12) Phenanthrene            | 17.72 | 178  | 11893    | 0.545  | ng/ul# | 89       |
| 13) Anthracene              | 17.80 | 178  | 1355     | 0.062  | ng/ul# | 91       |
| 15) Fluoranthene            | 19.68 | 202  | 28321    | 0.954  | ng/ul  | 85       |
| 17) Pyrene                  | 20.04 | 202  | 26729    | 0.944  | ng/ul# | 78       |
| 18) Benzo(a)anthracene      | 21.74 | 228  | 14777    | 0.439  | ng/ul# | 85       |
| 19) Chrysene                | 21.81 | 228  | 13627    | 0.562  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 23.57 | 252  | 19356m   | 0.823  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.62 | 252  | 5994m    | 0.256  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 24.26 | 252  | 12520    | 0.552  | ng/ul# | 81       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.17 | 276  | 8872     | 0.352  | ng/ul# | 74       |
| 25) Dibenzo(a,h)anthracene  | 27.18 | 278  | 2415     | 0.119  | ng/ul# | 87       |
| 26) Benzo(a,h,i)perylene    | 28.04 | 276  | 8556     | 0.406  | ng/ul  | 95       |

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

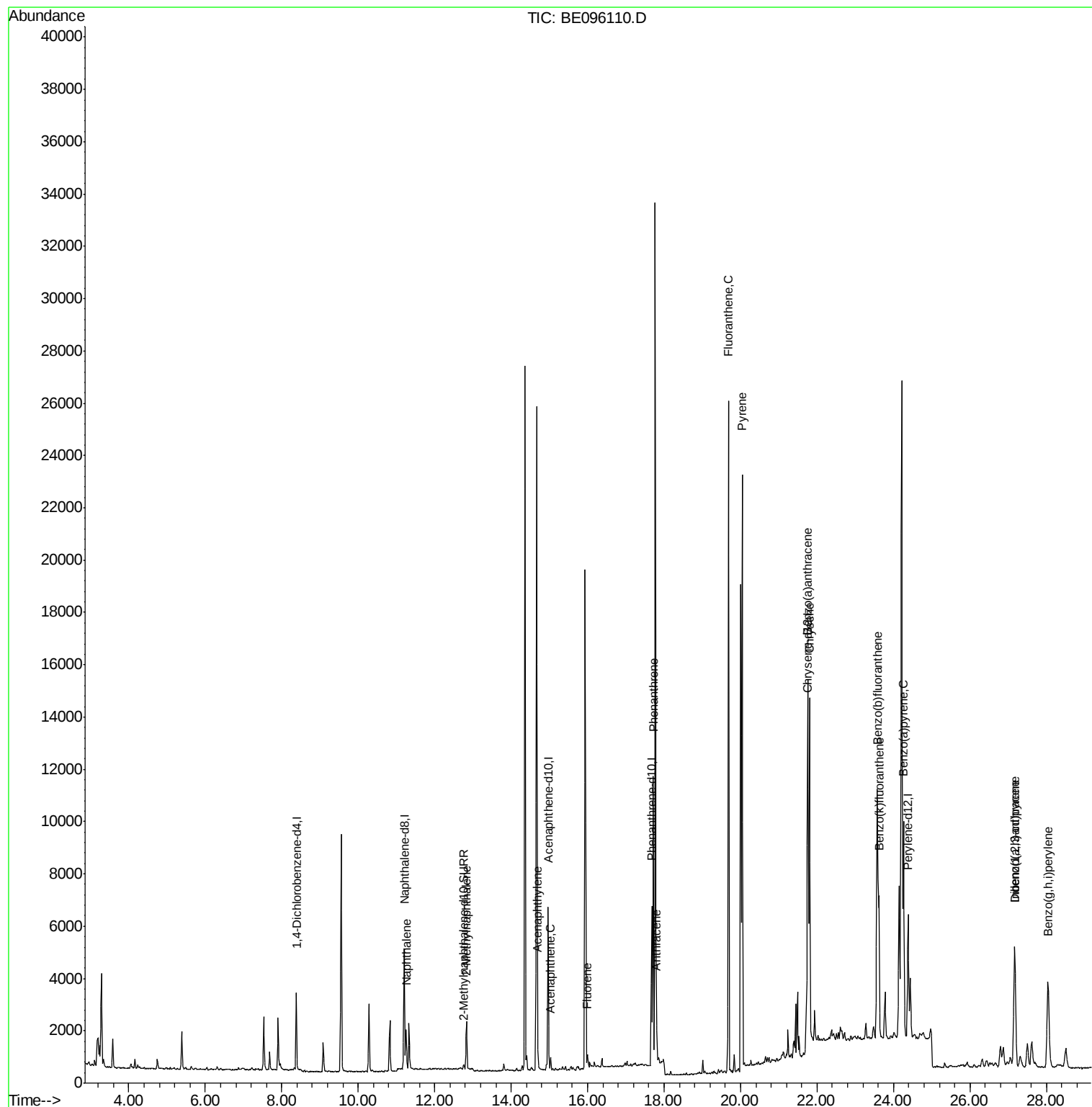
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\  
Data File : BE096110.D  
Acq On : 24 Apr 2018 6:12  
Operator : SJ/JU  
Sample : J2434-07DL 10X  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

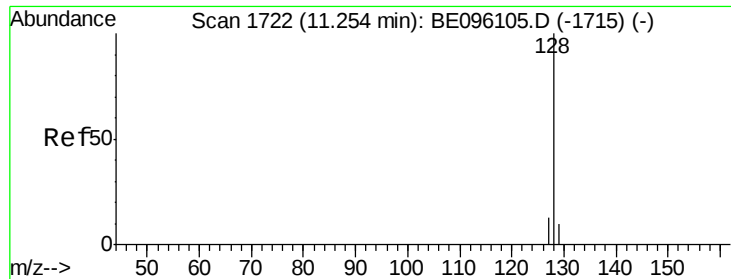
Instrument :  
BNA\_E  
ClientSampleId :  
C0AC2DL

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Quant Time: Apr 24 17:16:41 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 24 06:59:54 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.121 ng/ul

RT: 11.25 min Scan# 1721

Delta R.T. 0.00 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA\_E

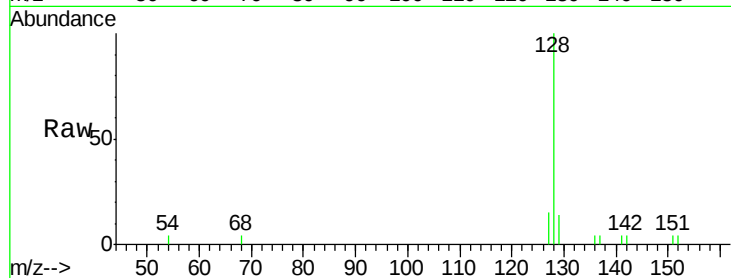
ClientSampleId :

C0AC2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 13.8  | 11.3  | 16.9  |
| 127     | 15.4  | 4.0   | 6.0   |

Manual Integrations  
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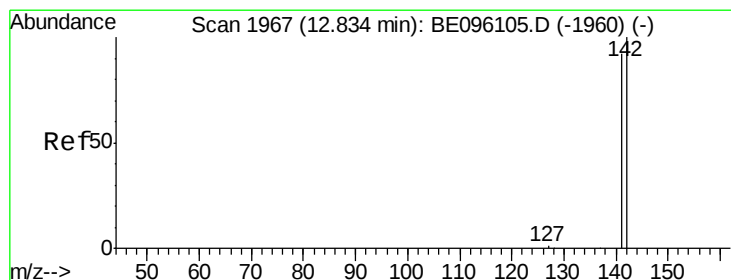
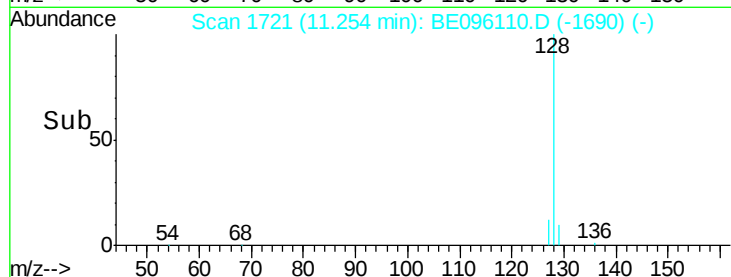
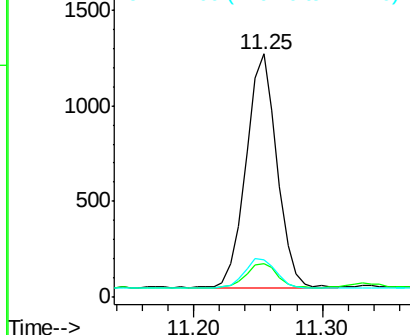
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.136 ng/ul

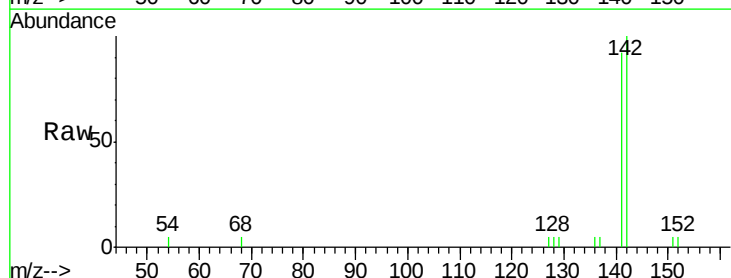
RT: 12.83 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BE096110.D

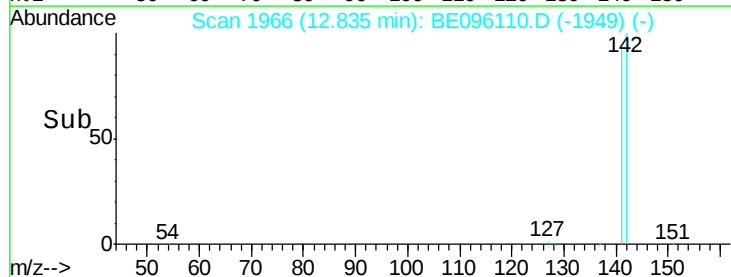
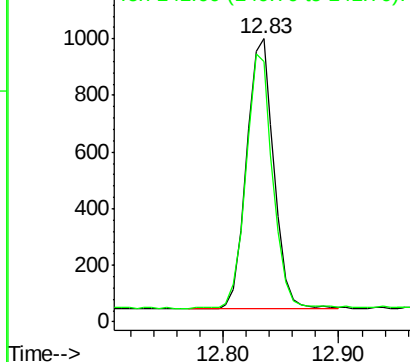
Acq: 24 Apr 2018 6:12

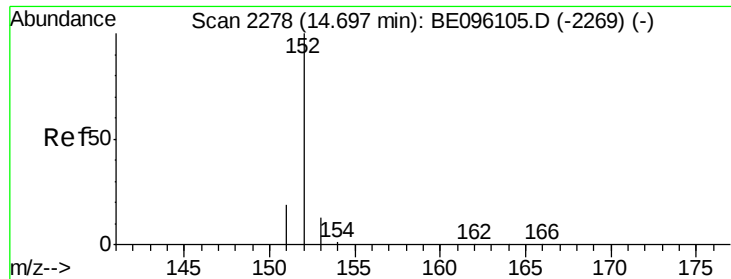
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.0  | 72.6  | 108.8 |



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.046 ng/ul

RT: 14.70 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA\_E

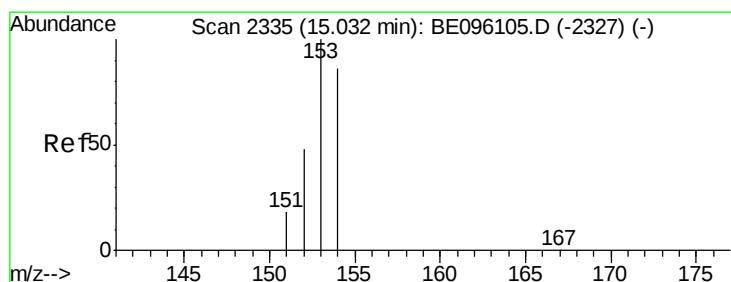
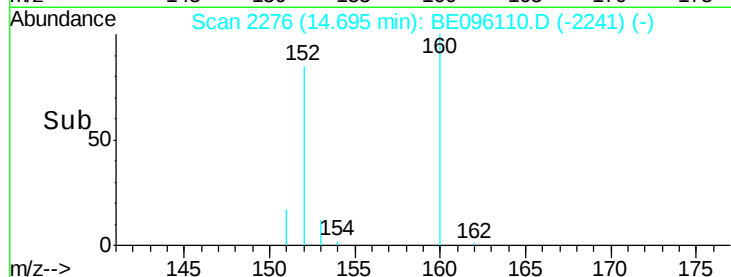
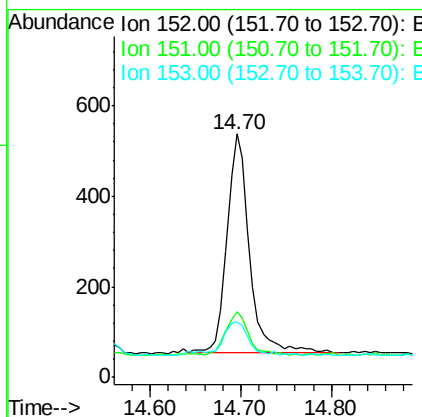
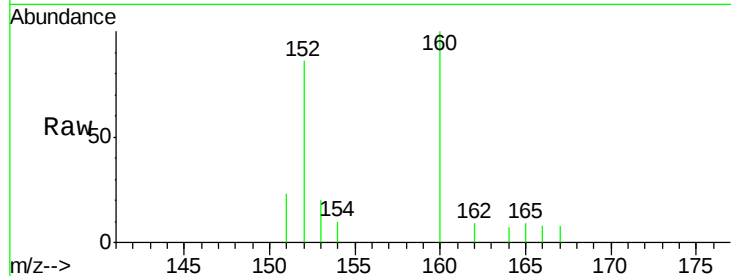
ClientSampleId :

C0AC2DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 809   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 27.0  | 17.1  | 25.7# |
| 153       | 22.9  | 12.8  | 19.2# |

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#8

Acenaphthene

Concen: 0.023 ng/ul

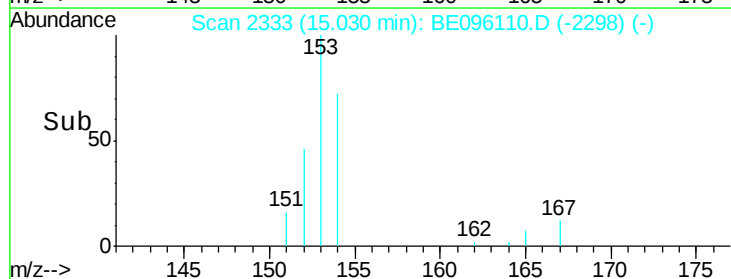
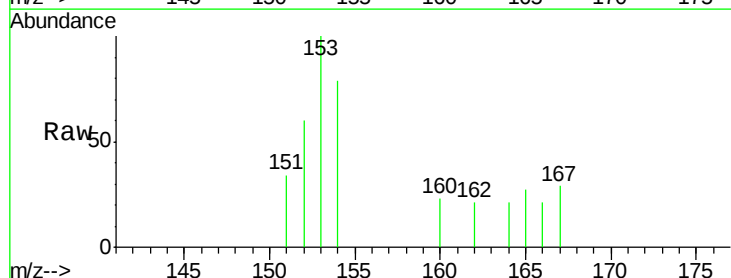
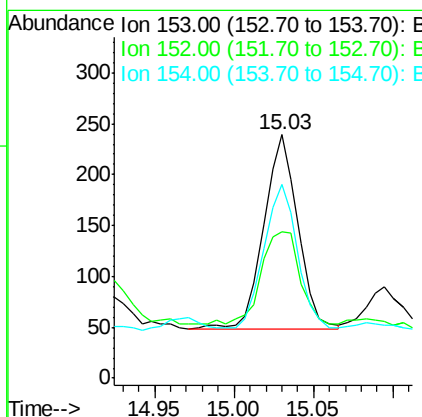
RT: 15.03 min Scan# 2333

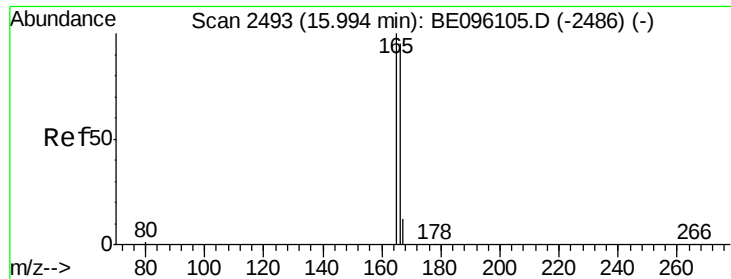
Delta R.T. 0.00 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 286   |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 60.3  | 36.0  | 54.0# |
| 154       | 79.5  | 72.0  | 108.0 |





#9

Fluorene

Concen: 0.023 ng/ul

RT: 15.99 min Scan# 2491

Delta R.T. -0.00 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA\_E

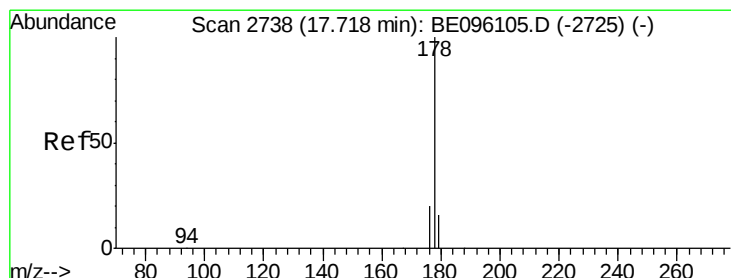
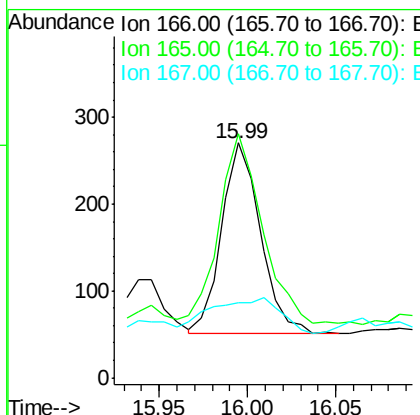
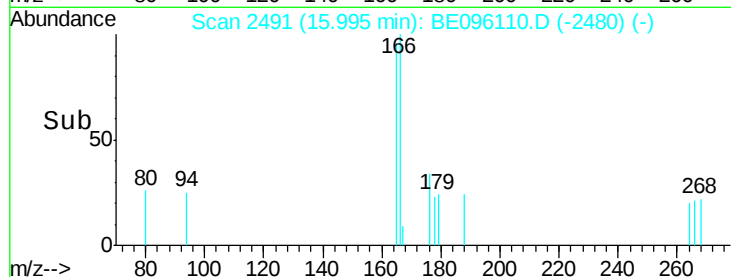
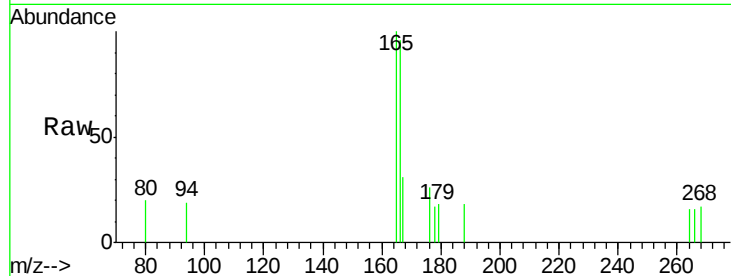
ClientSampleId :

C0AC2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 104.1 | 73.4  | 110.2 |
| 167     | 31.9  | 14.6  | 22.0  |

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#12

Phenanthrene

Concen: 0.545 ng/ul

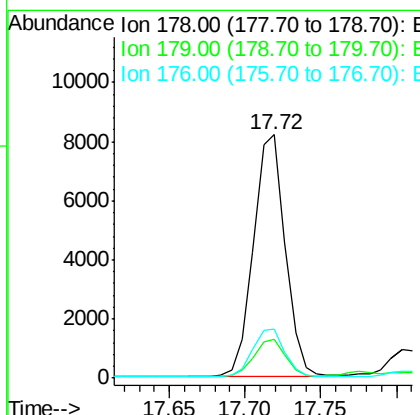
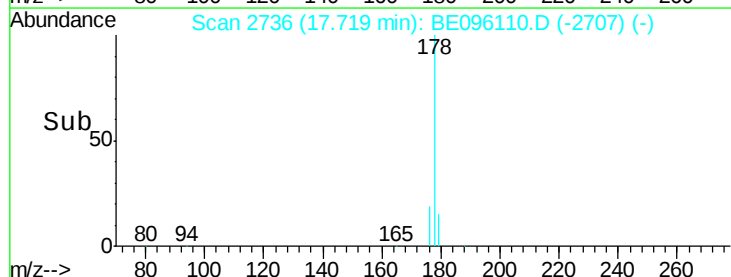
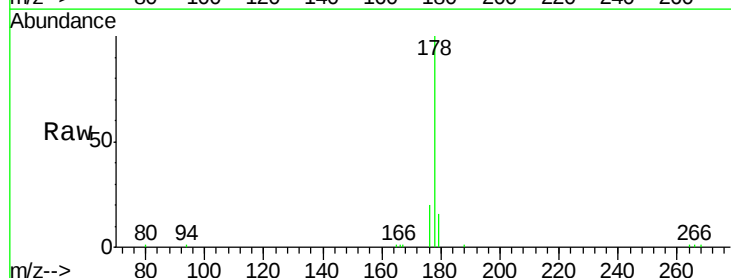
RT: 17.72 min Scan# 2736

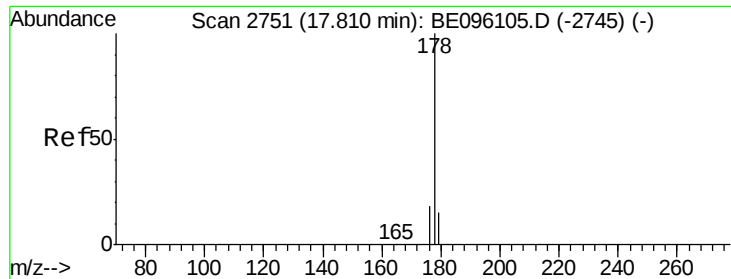
Delta R.T. 0.01 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.0  | 18.4  | 27.6  |
| 176     | 19.9  | 13.6  | 20.4  |





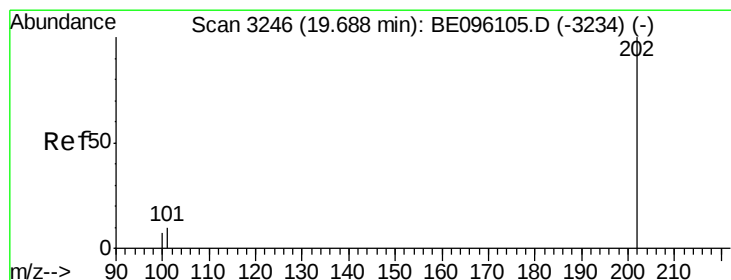
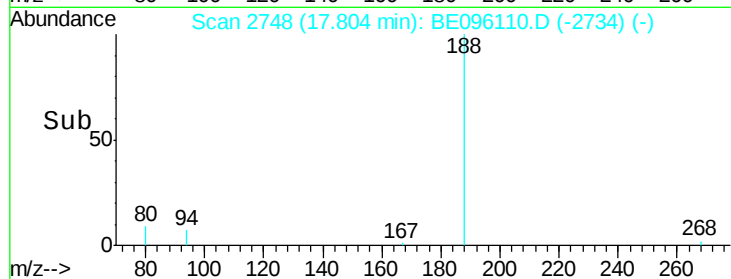
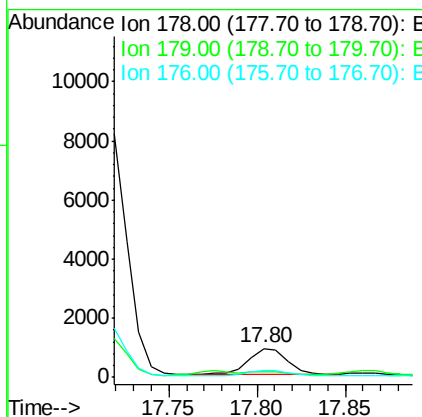
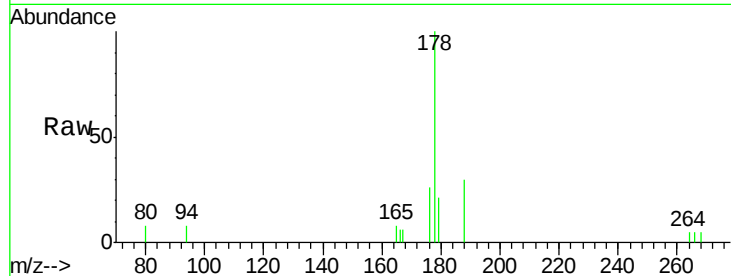
#13  
 Anthracene  
 Concen: 0.062 ng/ul  
 RT: 17.80 min Scan# 2748  
 Delta R.T. -0.00 min  
 Lab File: BE096110.D  
 Acq: 24 Apr 2018 6:12

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 21.1  | 18.1  | 27.1  |
| 176     | 25.6  | 14.7  | 22.1  |

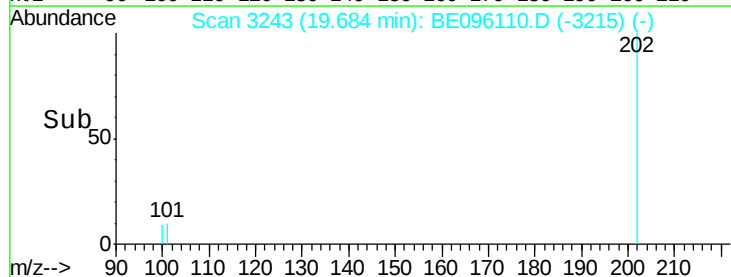
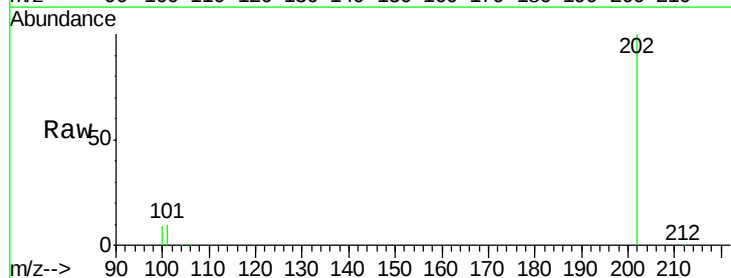
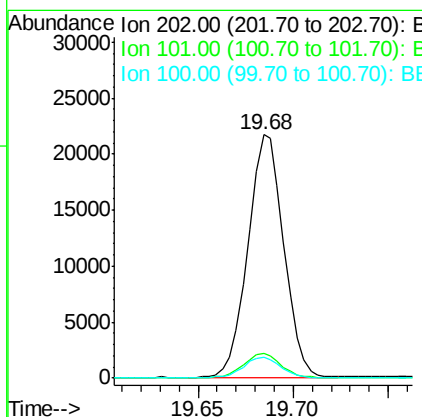
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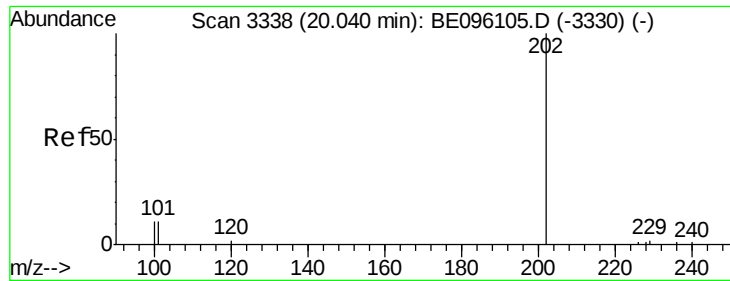
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 4/24/2018 7:11:31 PM



#15  
 Fluoranthene  
 Concen: 0.954 ng/ul  
 RT: 19.68 min Scan# 3243  
 Delta R.T. 0.00 min  
 Lab File: BE096110.D  
 Acq: 24 Apr 2018 6:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.3  | 0.0   | 30.3  |
| 100     | 8.8   | 0.0   | 39.5  |





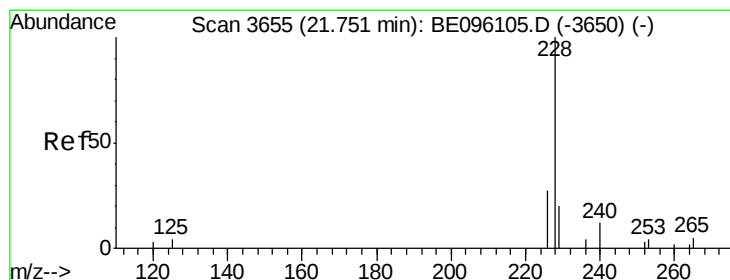
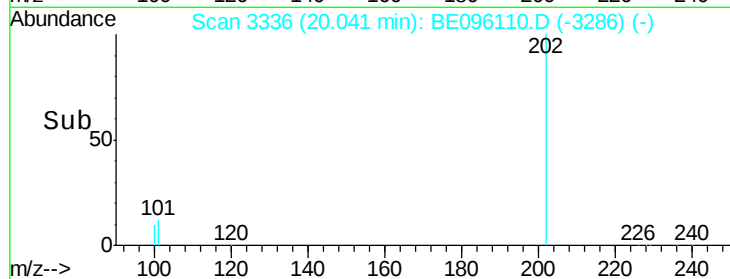
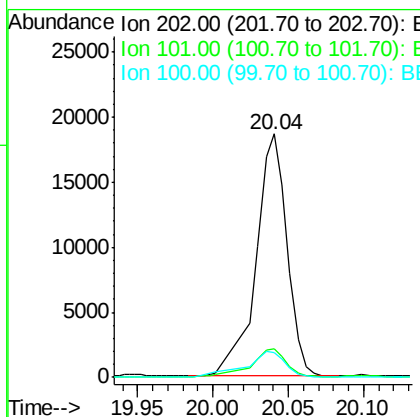
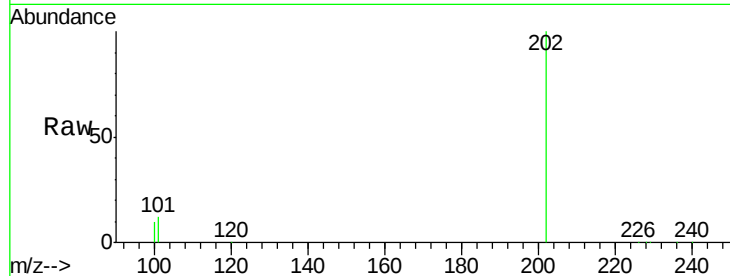
#17  
 Pvrene  
 Concen: 0.944 ng/ul  
 RT: 20.04 min Scan# 3336  
 Delta R.T. 0.00 min  
 Lab File: BE096110.D  
 Acq: 24 Apr 2018 6:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AC2DL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.8  | 18.2       | 27.4# |
| 100     | 10.4  | 15.6       | 23.4# |

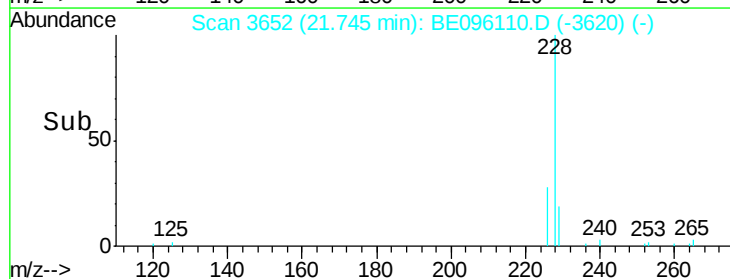
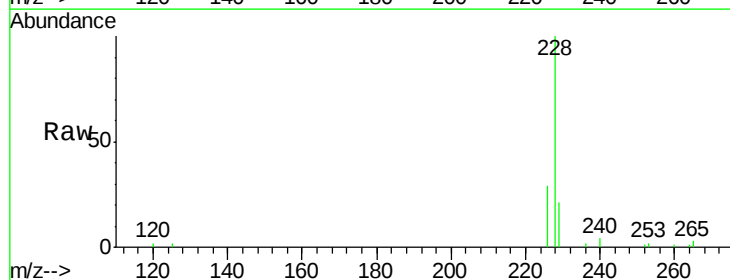
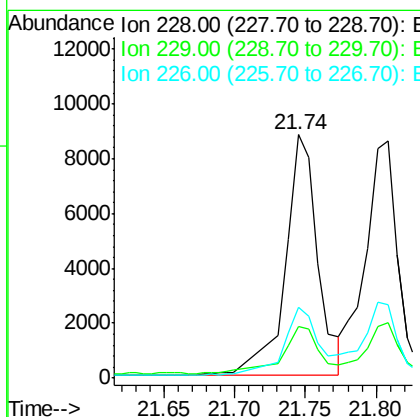
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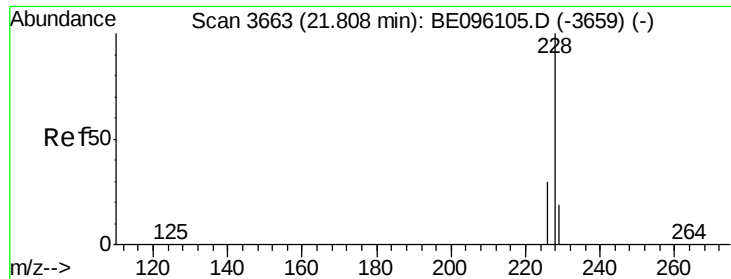
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#18  
 Benzo(a)anthracene  
 Concen: 0.439 ng/ul  
 RT: 21.74 min Scan# 3652  
 Delta R.T. 0.00 min  
 Lab File: BE096110.D  
 Acq: 24 Apr 2018 6:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 21.1  | 22.8       | 34.2# |
| 226     | 29.3  | 17.0       | 25.6# |





#19

Chrysene

Concen: 0.562 ng/ul

RT: 21.81 min Scan# 3661

Delta R.T. 0.01 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA\_E

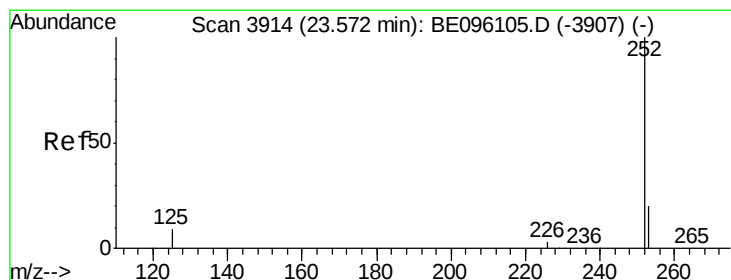
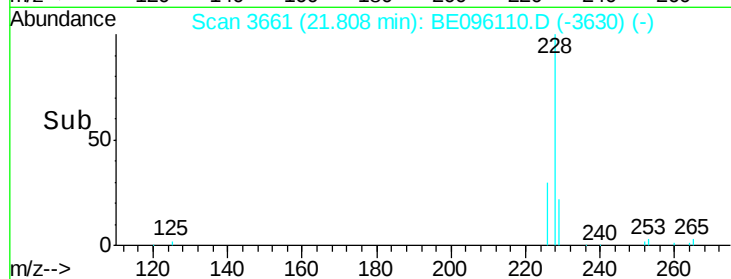
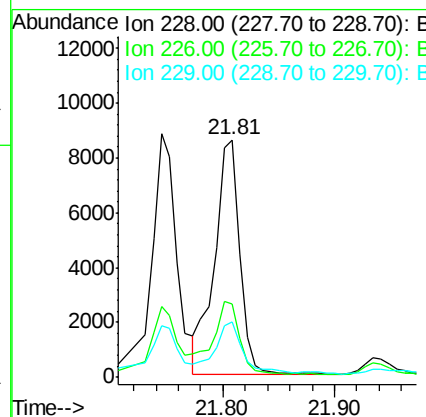
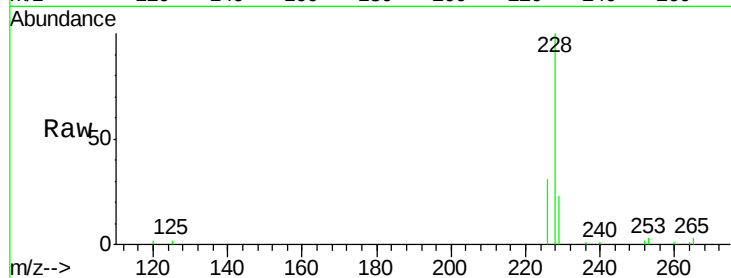
ClientSampleId :

C0AC2DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 13627 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.1  | 23.4  | 35.0  |
| 229       | 23.3  | 17.7  | 26.5  |

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#21

Benzo(b)fluoranthene

Concen: 0.823 ng/ul m

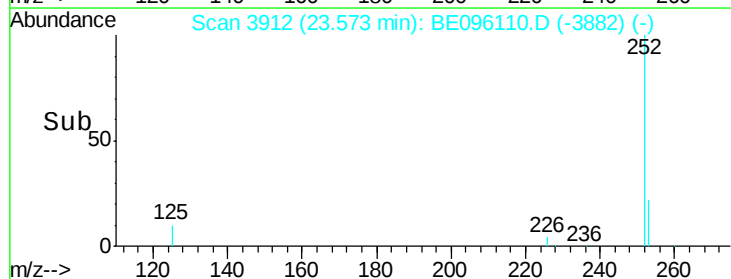
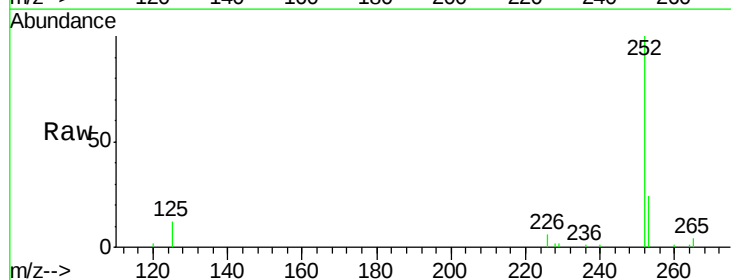
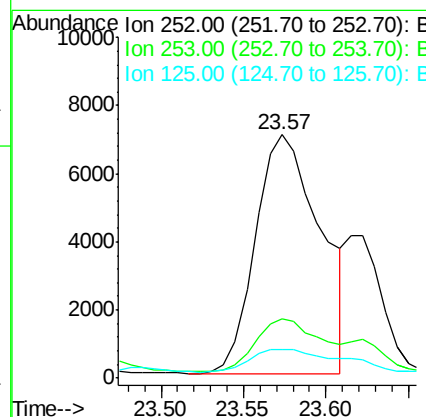
RT: 23.57 min Scan# 3912

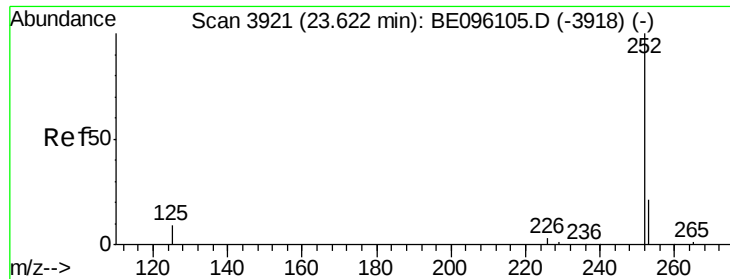
Delta R.T. 0.01 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 19356 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.2  | 0.0   | 64.2  |
| 125       | 12.0  | 0.0   | 35.0  |





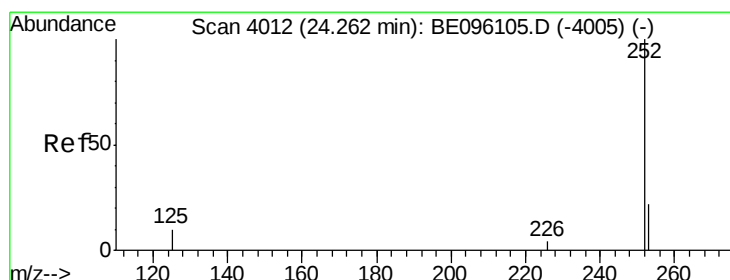
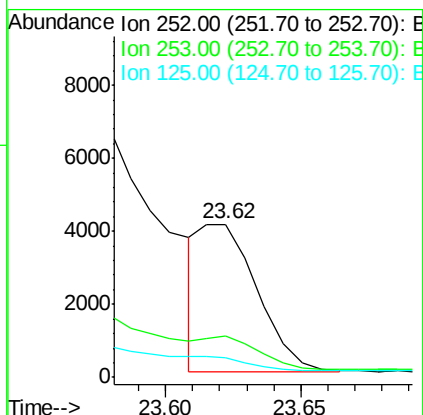
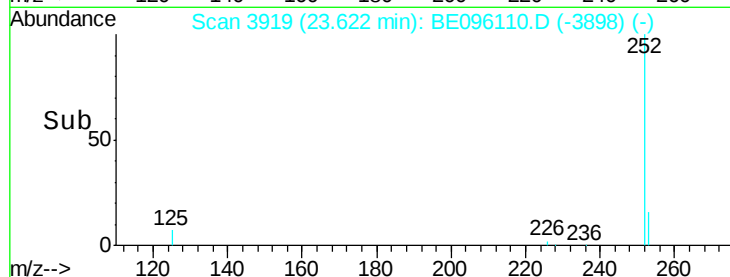
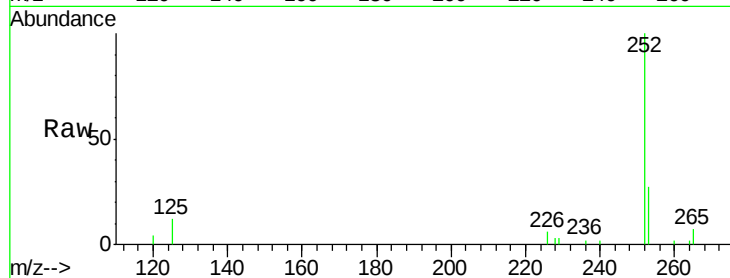
#22  
Benzo(k)fluoranthene  
Concen: 0.256 ng/ul m  
RT: 23.62 min Scan# 3919  
Delta R.T. 0.00 min  
Lab File: BE096110.D  
Acq: 24 Apr 2018 6:12

Instrument :  
BNA\_E  
ClientSampled :  
C0AC2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.3  | 24.5  | 36.7  |
| 125     | 12.4  | 13.7  | 20.5# |

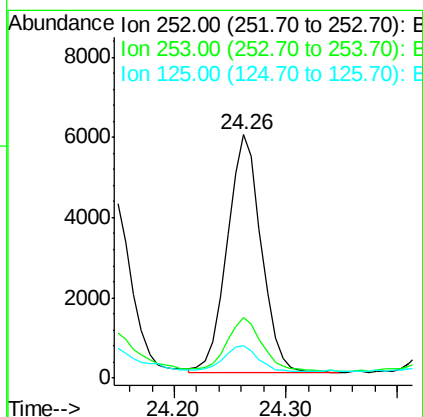
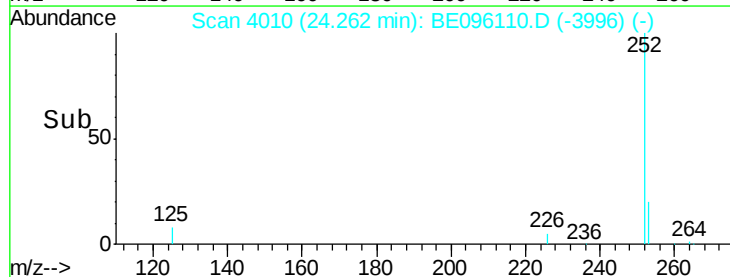
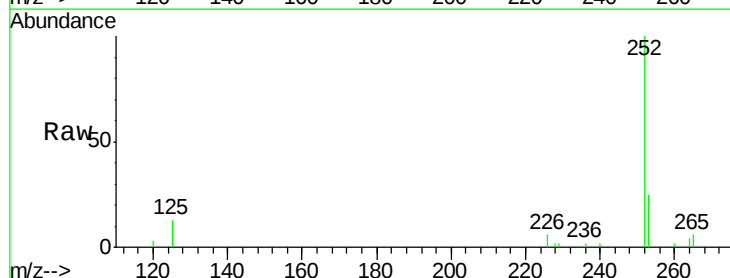
Manual Integrations  
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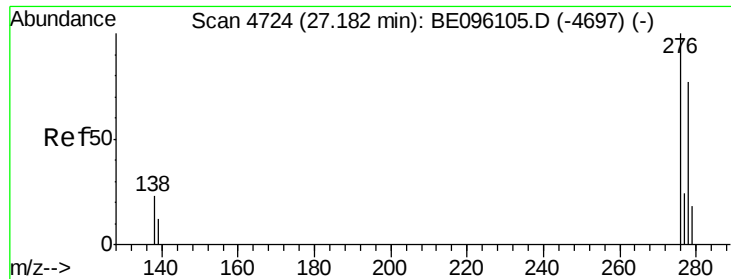
Sohil  
4/24/2018 7:11:31 PM



#23  
Benzo(a)pyrene  
Concen: 0.552 ng/ul  
RT: 24.26 min Scan# 4010  
Delta R.T. 0.00 min  
Lab File: BE096110.D  
Acq: 24 Apr 2018 6:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 28.5  | 42.7# |
| 125     | 13.1  | 18.1  | 27.1# |





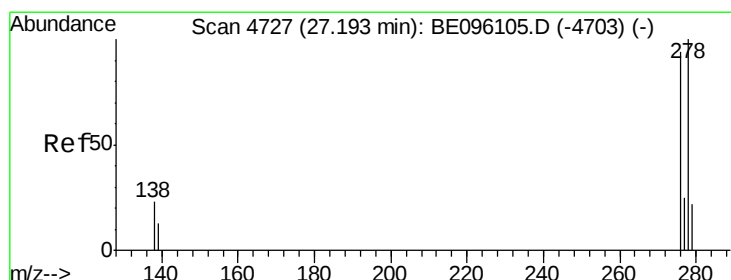
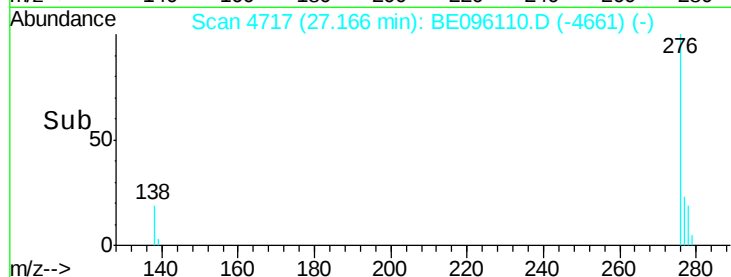
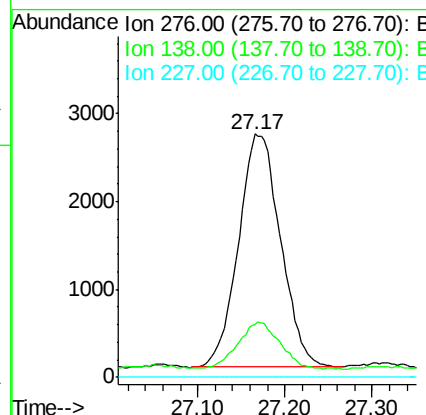
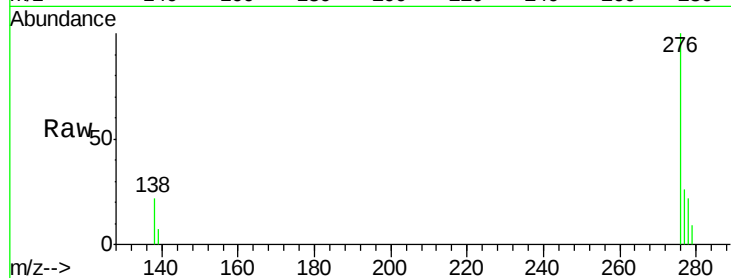
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.352 ng/uL  
RT: 27.17 min Scan# 4717  
Delta R.T. 0.00 min  
Lab File: BE096110.D  
Acq: 24 Apr 2018 6:12

Instrument :  
BNA\_E  
ClientSampleId :  
C0AC2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.1  | 28.0  | 42.0# |
| 227     | 0.0   | 8.0   | 12.0# |

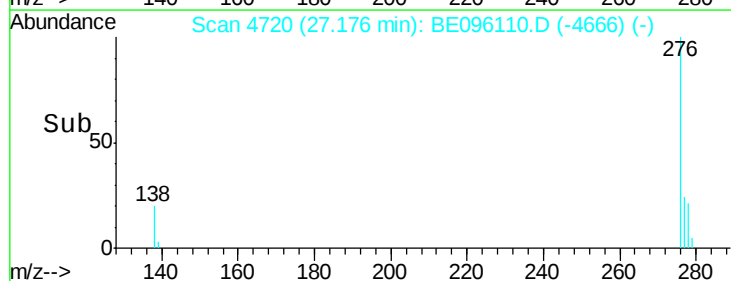
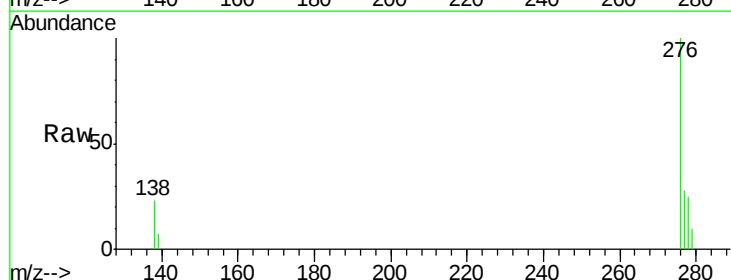
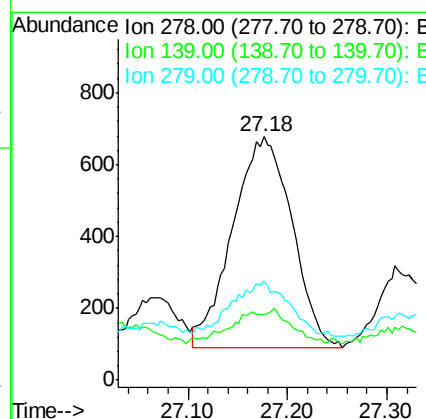
Manual Integrations  
APPROVED

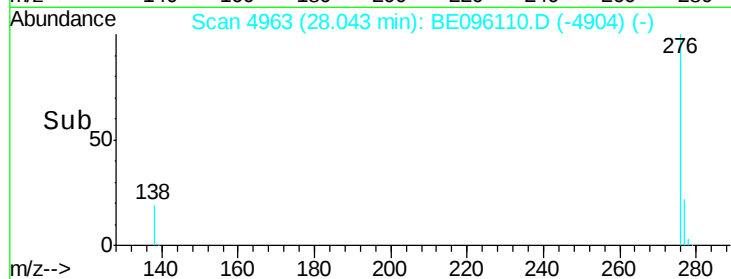
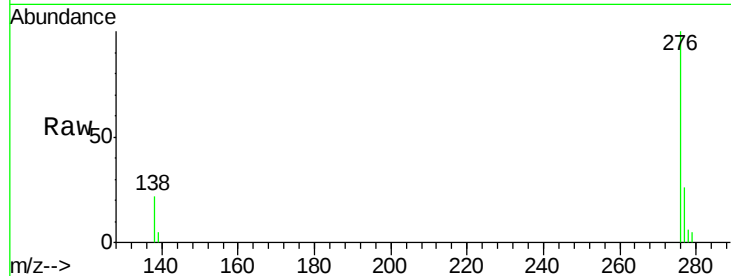
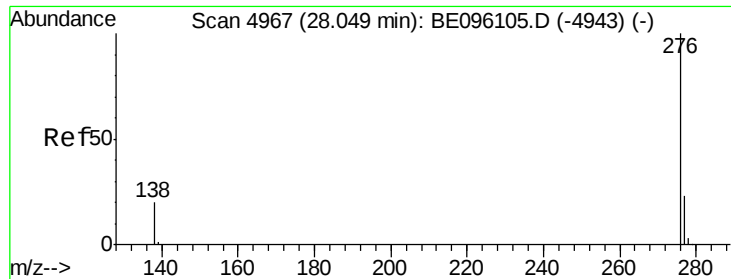
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4/24/2018 7:11:31 PM



#25  
Dibenzo(a,h)anthracene  
Concen: 0.119 ng/uL  
RT: 27.18 min Scan# 4720  
Delta R.T. -0.01 min  
Lab File: BE096110.D  
Acq: 24 Apr 2018 6:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 27.1  | 17.4  | 26.0# |
| 279     | 40.7  | 25.9  | 38.9# |





#26  
Benzo(a,h,i)perylene  
Concen: 0.406 ng/ul  
RT: 28.04 min Scan# 4963  
Delta R.T. 0.01 min  
Lab File: BE096110.D  
Acq: 24 Apr 2018 6:12

Instrument :  
BNA\_E  
ClientSampleId :  
C0AC2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.4  | 21.8  | 32.8  |
| 277     | 25.7  | 20.5  | 30.7  |

Manual Integrations  
APPROVED

Sohil  
4/24/2018 7:11:31 PM

