

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\  
 Data File : BE096174.D  
 Acq On : 26 Apr 2018 10:59  
 Operator : SJ/JU  
 Sample : J2431-06DL 10X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DASN7DL

Manual Integrations  
 APPROVED

Sohil  
 4/27/2018 7:28:39 PM

Quant Time: Apr 27 02:39:01 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 27 02:29:47 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.36  | 152  | 672      | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.18 | 136  | 2576     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.95 | 164  | 1483     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.66 | 188  | 3587     | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.75 | 240  | 4706     | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.35 | 264  | 3977     | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.74 | 152  | 162      | 0.03  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.64 | 212  | 503      | 0.03  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 11.23 | 128  | 2665     | 0.372 | ng/ul# | 87       |
| 5) 2-Methylnaphthalene      | 12.81 | 142  | 3483     | 0.725 | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.67 | 152  | 1354     | 0.177 | ng/ul# | 87       |
| 8) Acenaphthene             | 15.01 | 153  | 43346    | 7.864 | ng/ul  | 94       |
| 9) Fluorene                 | 15.98 | 166  | 58569    | 8.030 | ng/ul# | 92       |
| 12) Phenanthrene            | 17.70 | 178  | 56285    | 5.330 | ng/ul# | 88       |
| 13) Anthracene              | 17.79 | 178  | 5448     | 0.514 | ng/ul# | 91       |
| 15) Fluoranthene            | 19.67 | 202  | 32026    | 1.984 | ng/ul  | 83       |
| 17) Pyrene                  | 20.02 | 202  | 11447    | 1.212 | ng/ul# | 78       |
| 18) Benzo(a)anthracene      | 21.73 | 228  | 1851m    | 0.130 | ng/ul  |          |
| 19) Chrysene                | 21.79 | 228  | 1780m    | 0.136 | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 23.55 | 252  | 1698m    | 0.113 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.59 | 252  | 595m     | 0.041 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 24.23 | 252  | 810      | 0.062 | ng/ul# | 83       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.13 | 276  | 397      | 0.023 | ng/ul# | 61       |
| 26) Benzo(a,h,i)perylene    | 27.99 | 276  | 326      | 0.021 | ng/ul# | 45       |

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

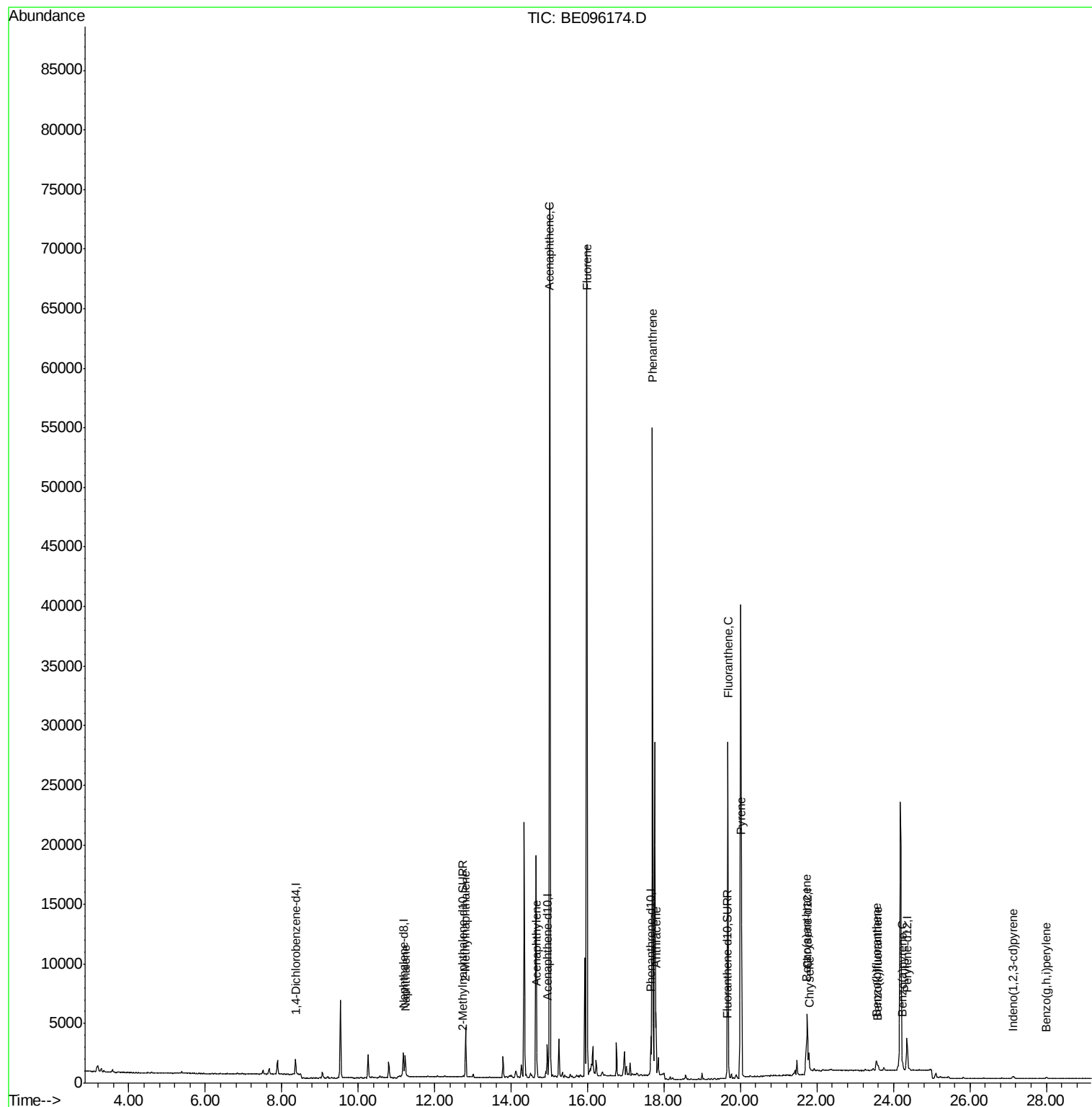
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\  
Data File : BE096174.D  
Acq On : 26 Apr 2018 10:59  
Operator : SJ/JU  
Sample : J2431-06DL 10X  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

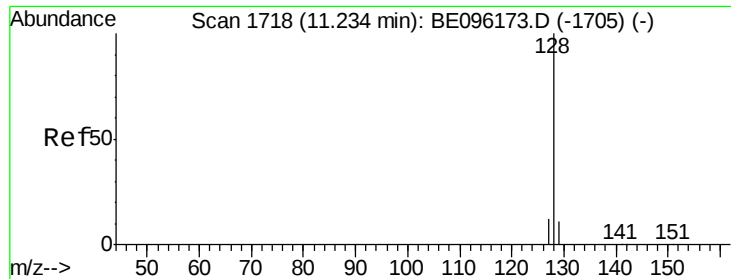
Instrument :  
BNA\_E  
ClientSampleId :  
DASN7DL

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Quant Time: Apr 27 02:39:01 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 27 02:29:47 2018  
Response via : Initial Calibration





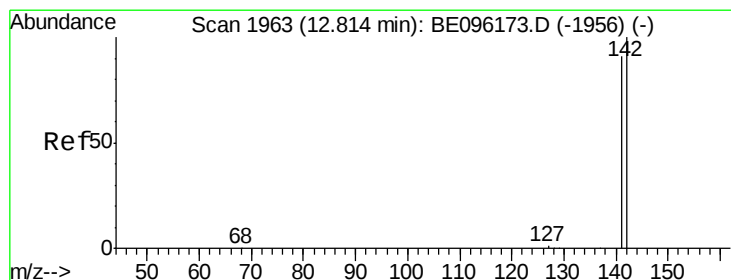
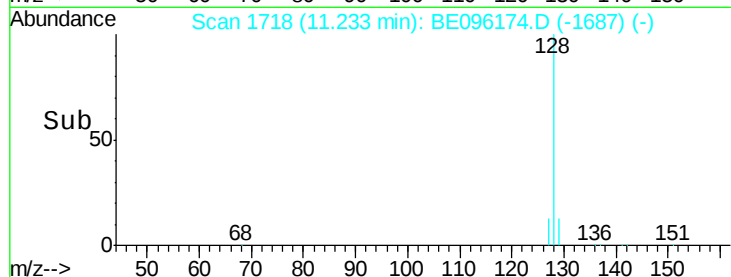
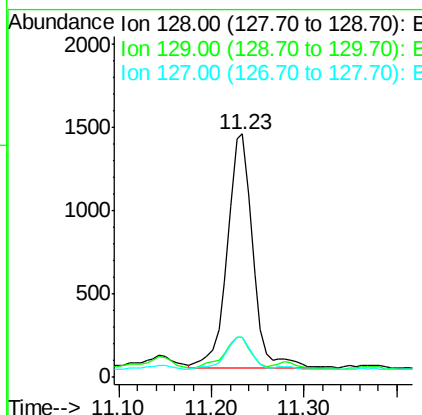
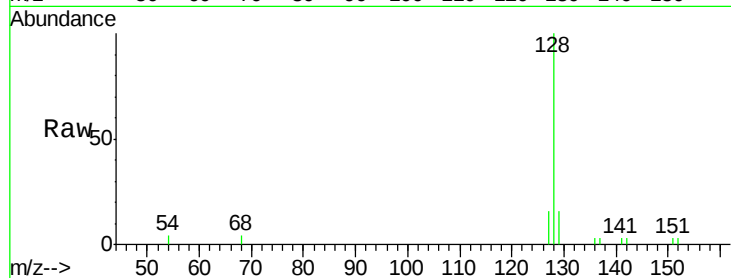
#3  
Naphthalene  
Concen: 0.372 ng/ul  
RT: 11.23 min Scan# 1718  
Delta R.T. -0.00 min  
Lab File: BE096174.D  
Acq: 26 Apr 2018 10:59

Instrument :  
BNA\_E  
ClientSampleId :  
DASN7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 16.2  | 11.3  | 16.9  |
| 127     | 16.4  | 4.0   | 6.0   |

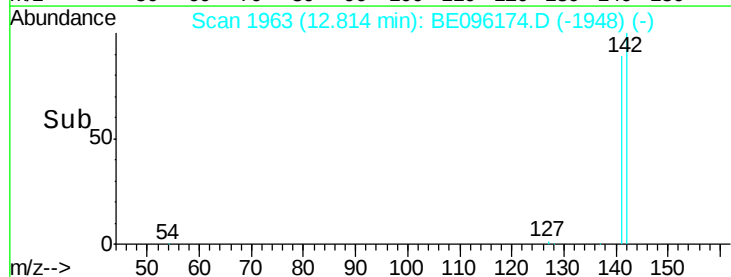
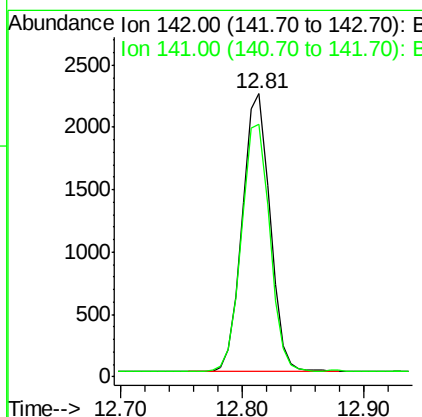
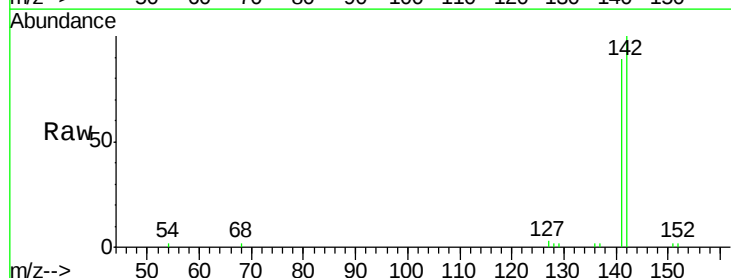
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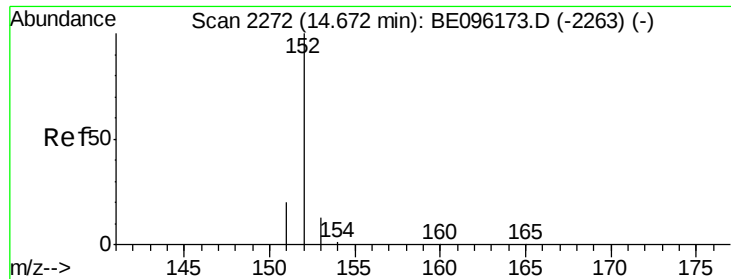
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#5  
2-Methylnaphthalene  
Concen: 0.725 ng/ul  
RT: 12.81 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: BE096174.D  
Acq: 26 Apr 2018 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.9  | 72.6  | 108.8 |





#7

Acenaphthylene

Concen: 0.177 ng/ul

RT: 14.67 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA\_E

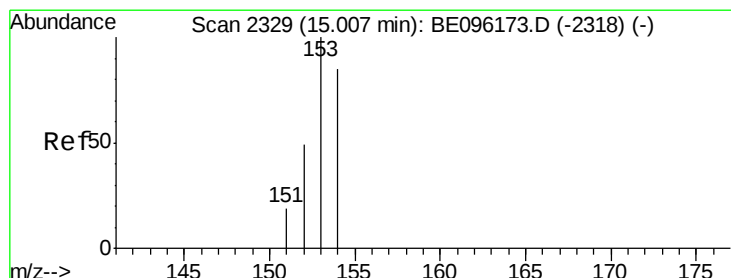
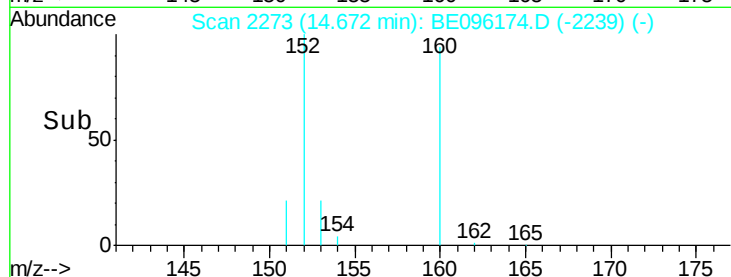
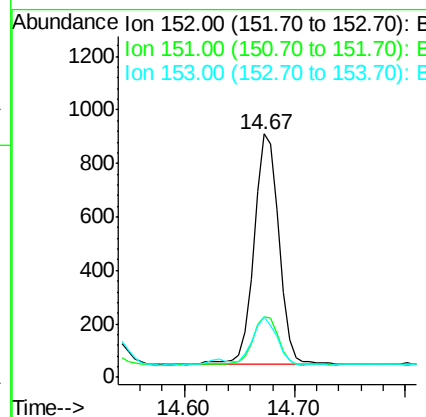
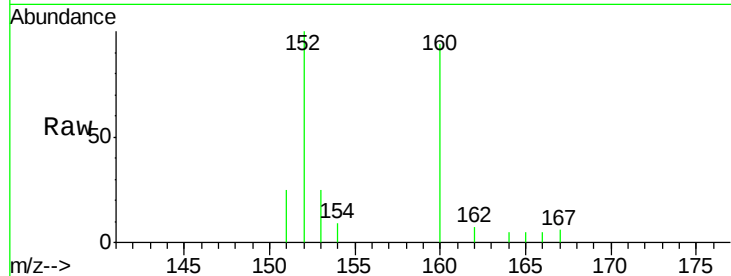
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 1354  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 24.7  | 17.1  | 25.7  |
| 153       | 25.0  | 12.8  | 19.2# |

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#8

Acenaphthene

Concen: 7.864 ng/ul

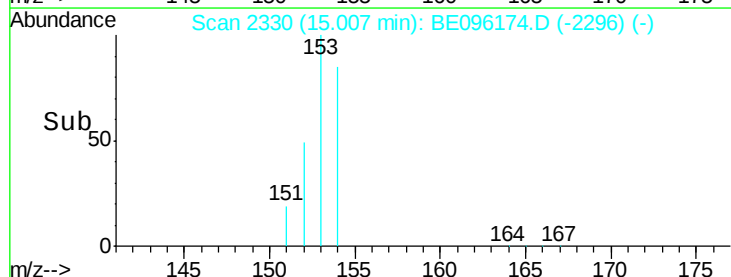
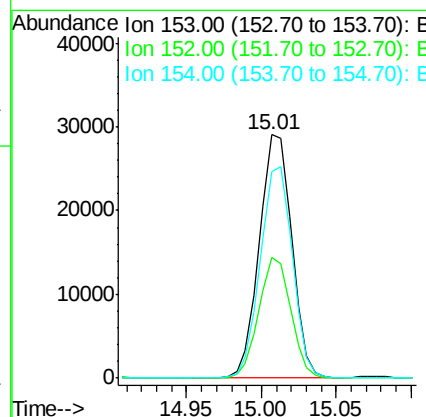
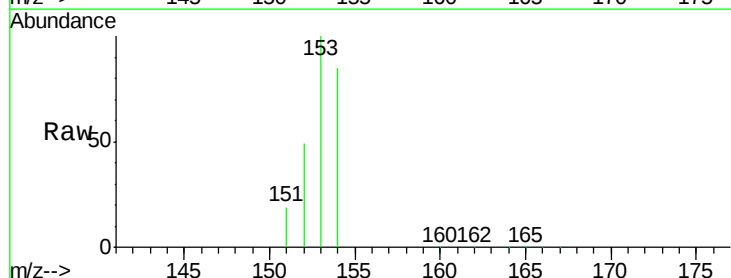
RT: 15.01 min Scan# 2330

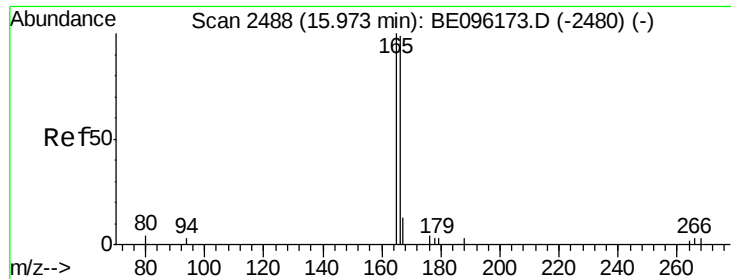
Delta R.T. 0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 43346 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 49.4  | 36.0  | 54.0  |
| 154       | 84.6  | 72.0  | 108.0 |





#9

Fluorene

Concen: 8.030 ng/ul

RT: 15.98 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA\_E

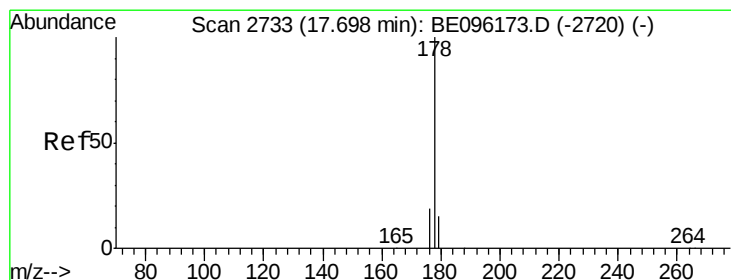
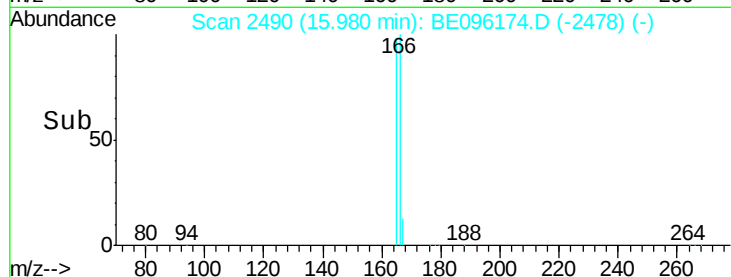
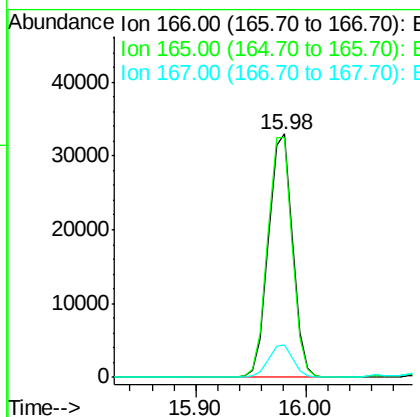
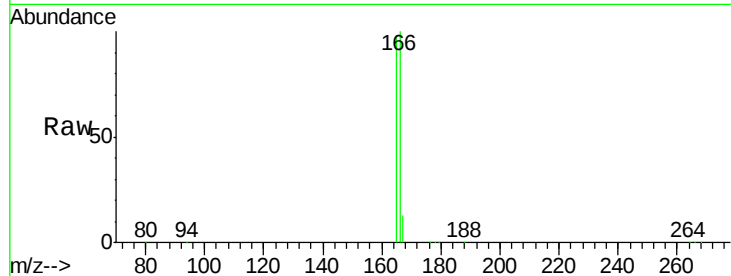
ClientSampleId :

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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.3  | 73.4  | 110.2 |
| 167     | 13.3  | 14.6  | 22.0  |

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#12

Phenanthrene

Concen: 5.330 ng/ul

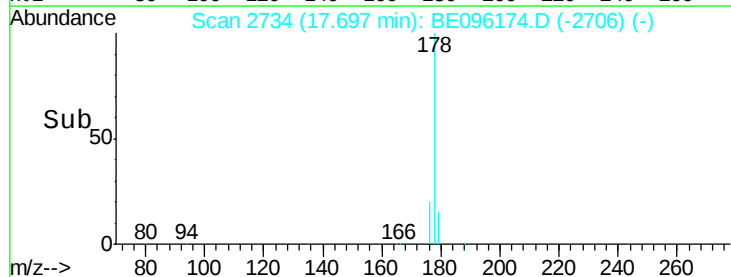
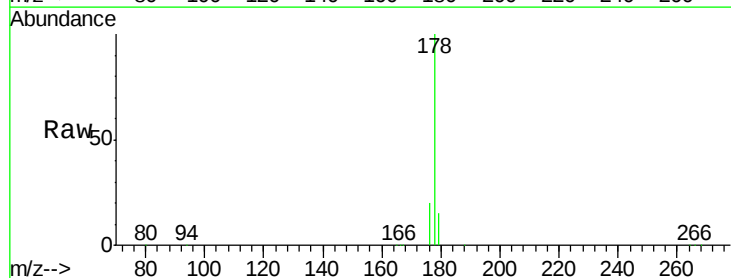
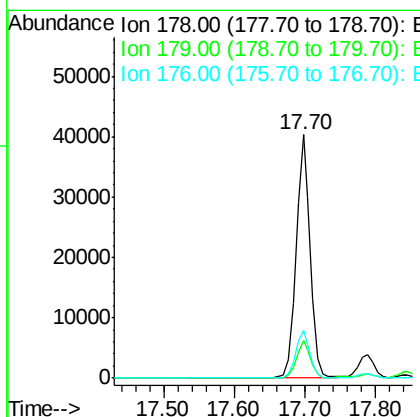
RT: 17.70 min Scan# 2734

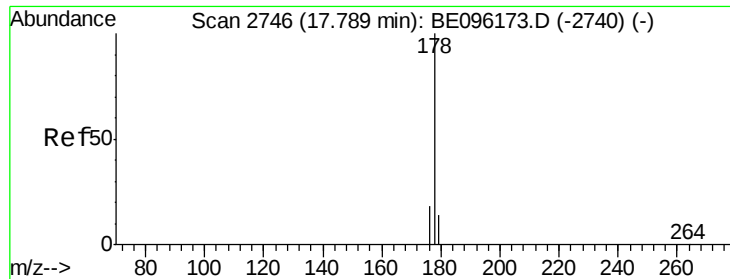
Delta R.T. -0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.2  | 18.4  | 27.6  |
| 176     | 19.9  | 13.6  | 20.4  |





#13

Anthracene

Concen: 0.514 ng/ul

RT: 17.79 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA\_E

ClientSampleId :

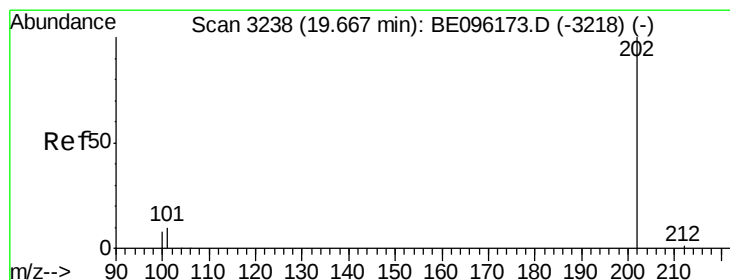
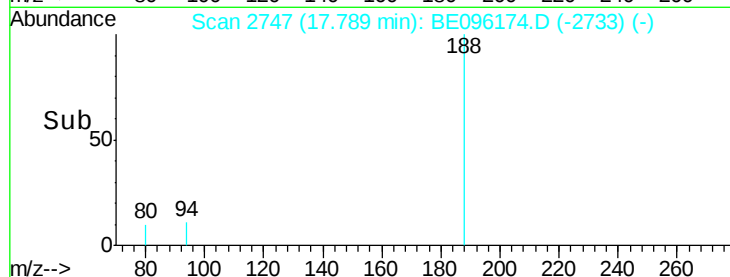
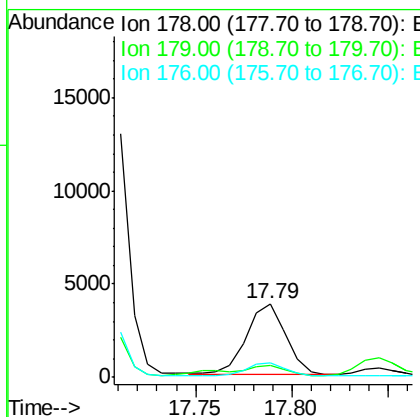
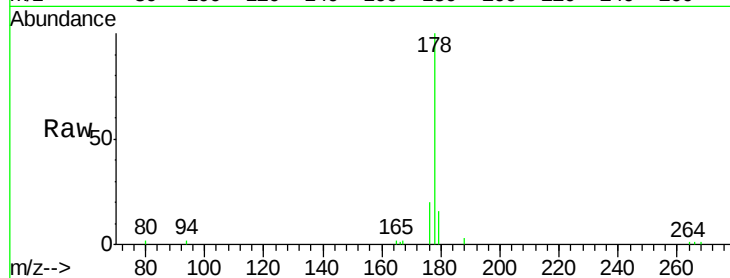
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Tot Ion:178 Resp: 5448

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.3  | 18.1  | 27.1# |
| 176 | 19.8  | 14.7  | 22.1  |

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#15

Fluoranthene

Concen: 1.984 ng/ul

RT: 19.67 min Scan# 3240

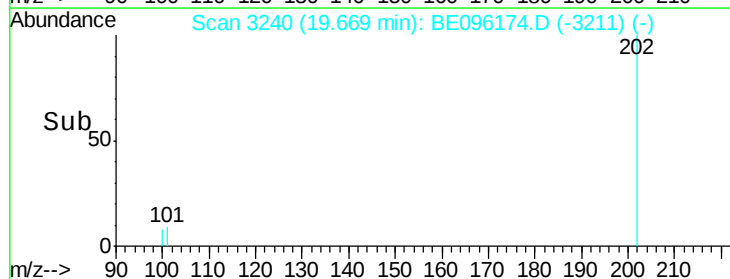
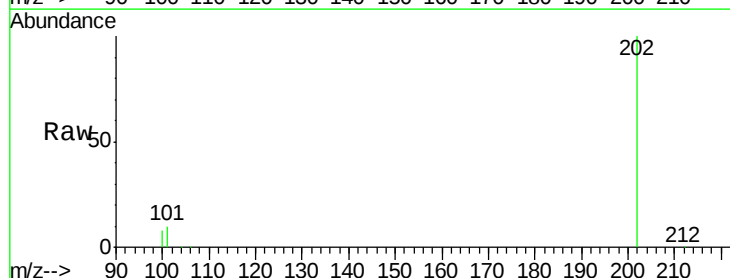
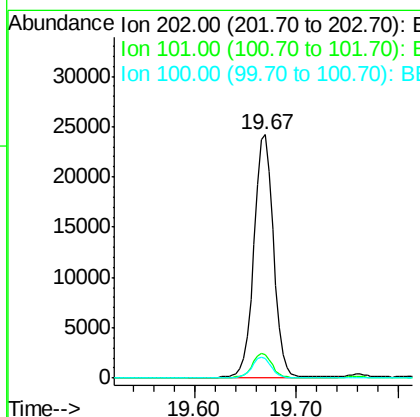
Delta R.T. 0.00 min

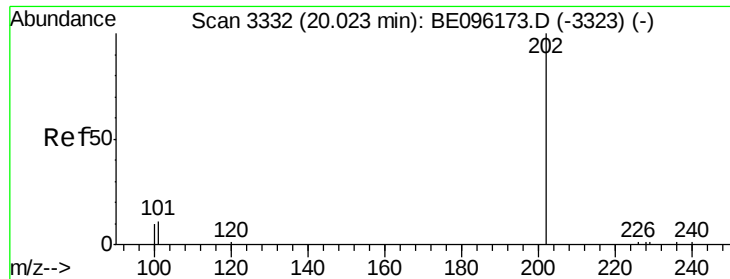
Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Tgt Ion:202 Resp: 32026

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.6   | 0.0   | 30.3  |
| 100 | 7.9   | 0.0   | 39.5  |





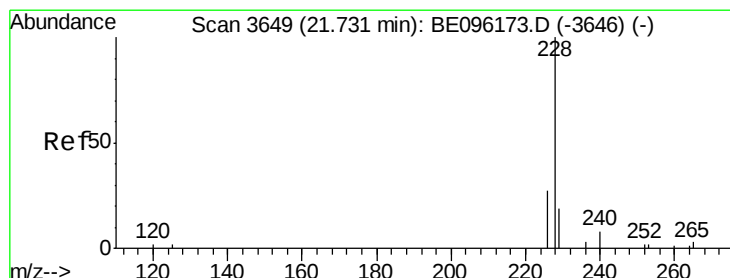
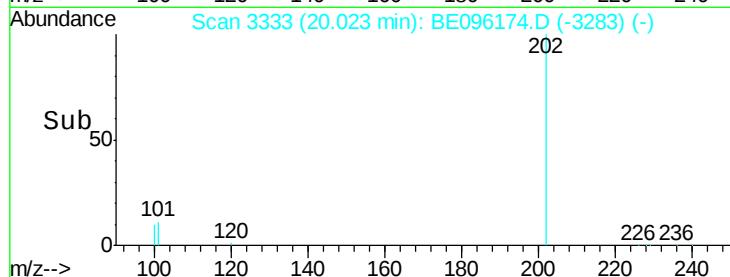
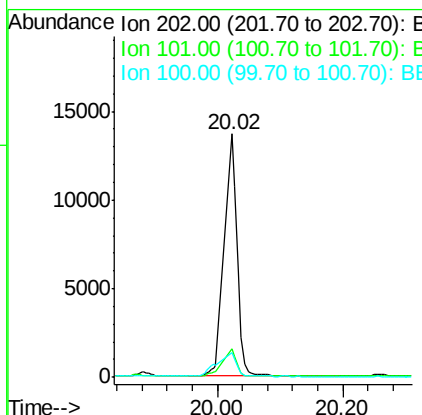
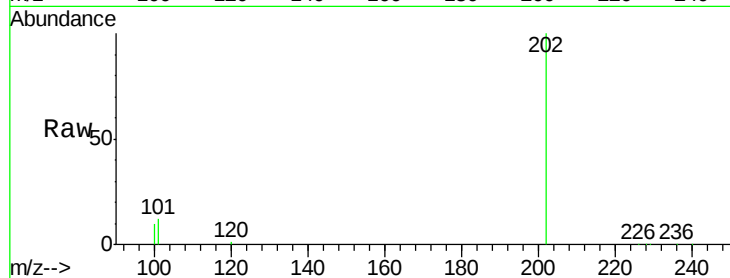
#17  
 Pvrene  
 Concen: 1.212 ng/ul  
 RT: 20.02 min Scan# 3333  
 Delta R.T. 0.00 min  
 Lab File: BE096174.D  
 Acq: 26 Apr 2018 10:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DASN7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.7  | 18.2  | 27.4# |
| 100     | 10.3  | 15.6  | 23.4# |

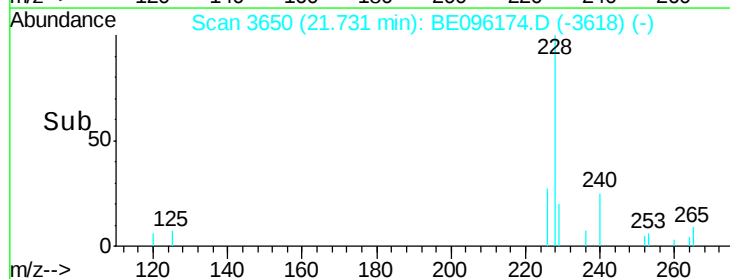
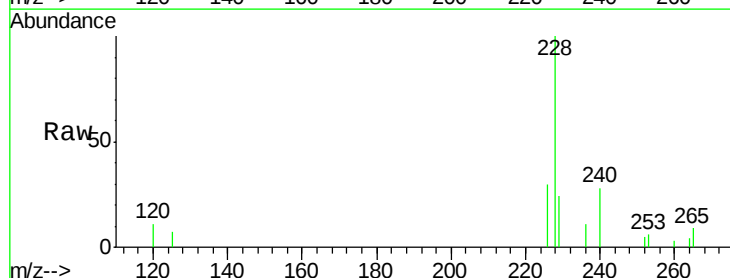
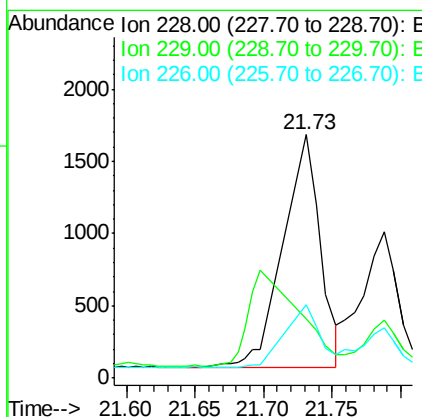
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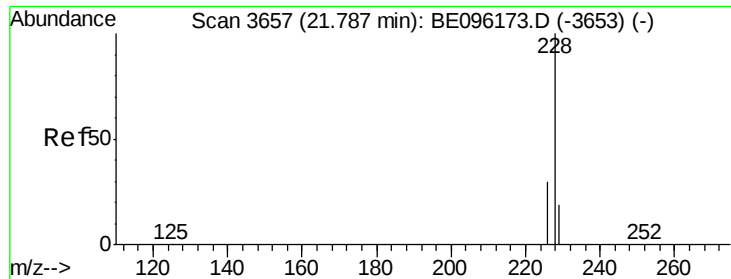
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#18  
 Benzo(a)anthracene  
 Concen: 0.130 ng/ul m  
 RT: 21.73 min Scan# 3650  
 Delta R.T. 0.00 min  
 Lab File: BE096174.D  
 Acq: 26 Apr 2018 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 24.5  | 22.8  | 34.2  |
| 226     | 30.1  | 17.0  | 25.6# |





#19

Chrysene

Concen: 0.136 ng/ul m

RT: 21.79 min Scan# 3658

Delta R.T. 0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA\_E

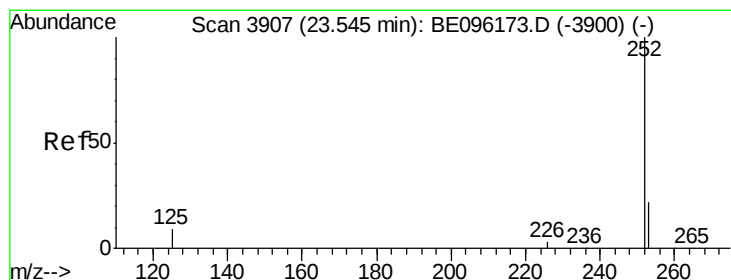
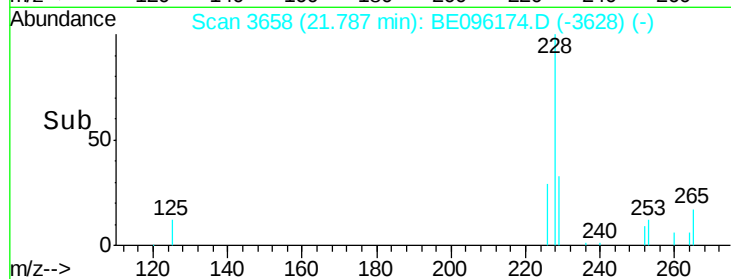
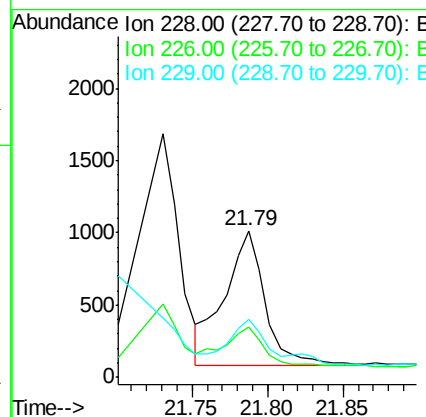
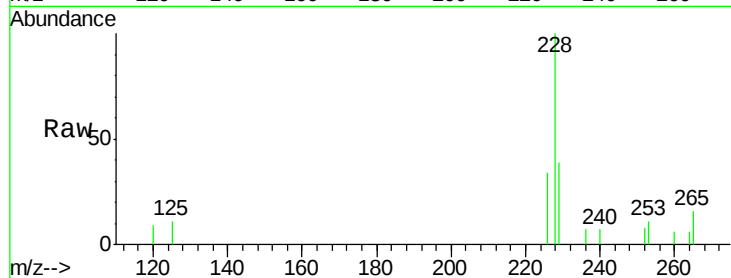
ClientSampleId :

DASN7DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 1780  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 34.4  | 23.4  | 35.0  |
| 229       | 39.2  | 17.7  | 26.5# |

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#21

Benzo(b)fluoranthene

Concen: 0.113 ng/ul m

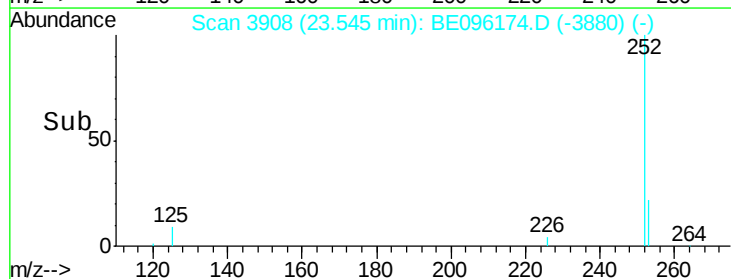
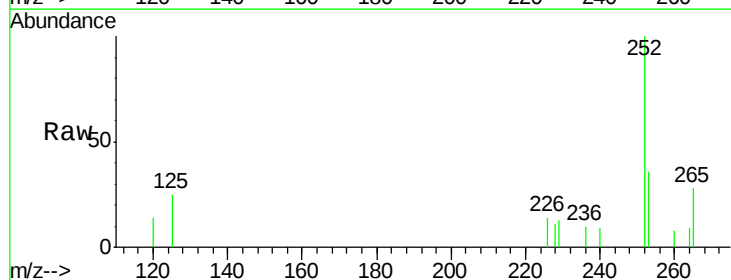
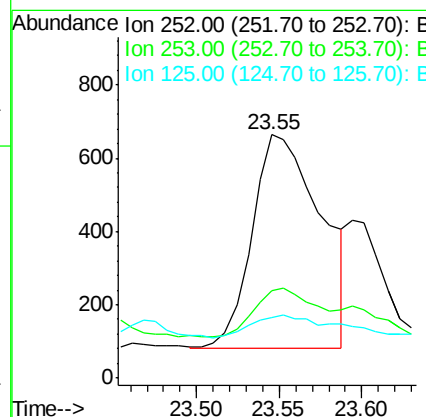
RT: 23.55 min Scan# 3908

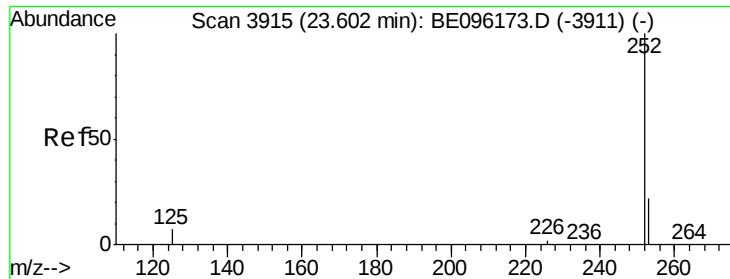
Delta R.T. 0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1698 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 36.1  | 0.0   | 64.2 |
| 125       | 24.8  | 0.0   | 35.0 |





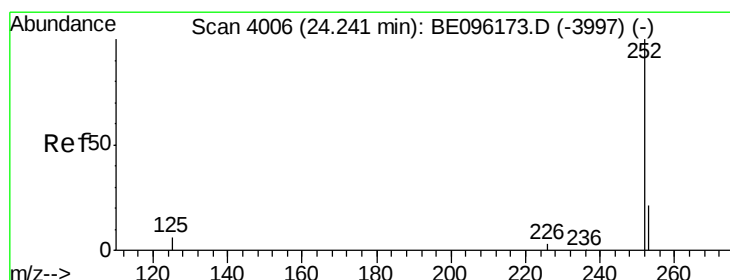
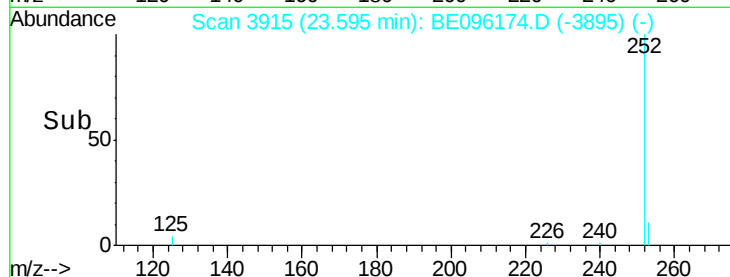
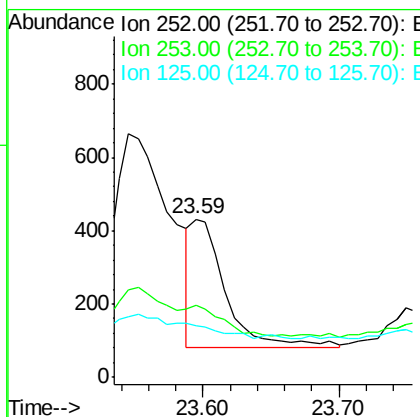
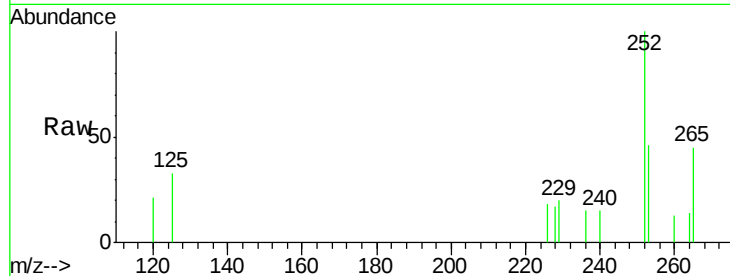
#22  
Benzo(k)fluoranthene  
Concen: 0.041 ng/ul m  
RT: 23.59 min Scan# 3915  
Delta R.T. -0.01 min  
Lab File: BE096174.D  
Acq: 26 Apr 2018 10:59

Instrument :  
BNA\_E  
ClientSampleId :  
DASN7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 45.6  | 24.5  | 36.7# |
| 125     | 32.9  | 13.7  | 20.5# |

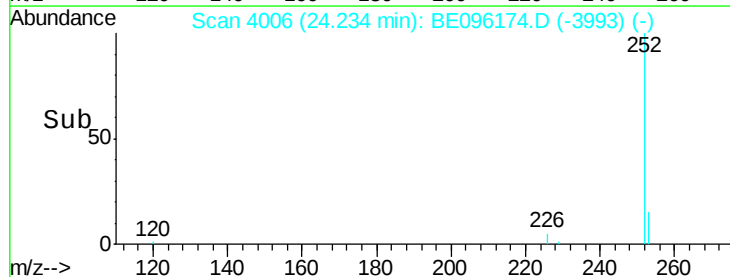
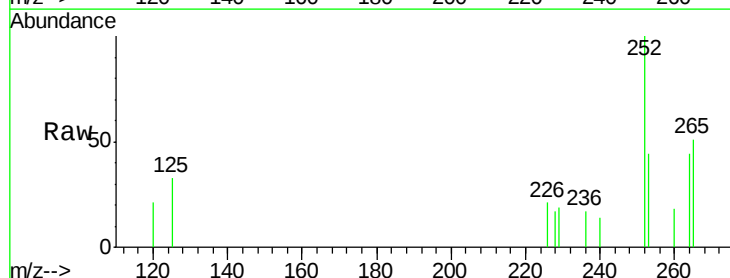
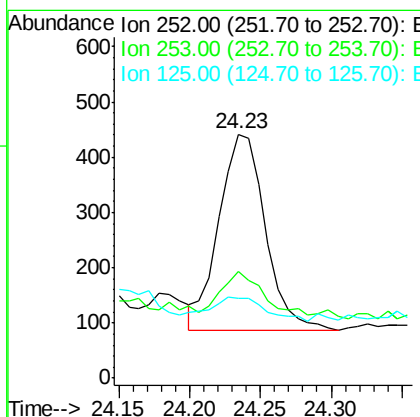
Manual Integrations  
APPROVED

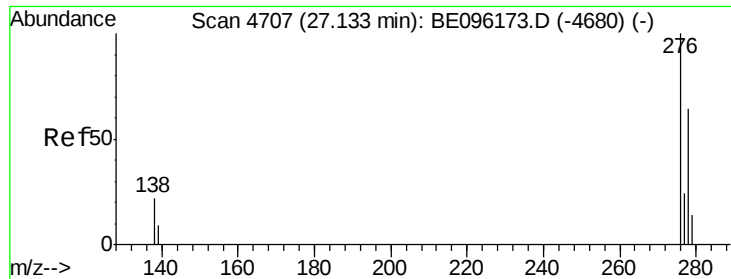
Sohil  
4/27/2018 7:28:39 PM



#23  
Benzo(a)pyrene  
Concen: 0.062 ng/ul  
RT: 24.23 min Scan# 4006  
Delta R.T. -0.01 min  
Lab File: BE096174.D  
Acq: 26 Apr 2018 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 43.8  | 28.5  | 42.7# |
| 125     | 32.7  | 18.1  | 27.1# |





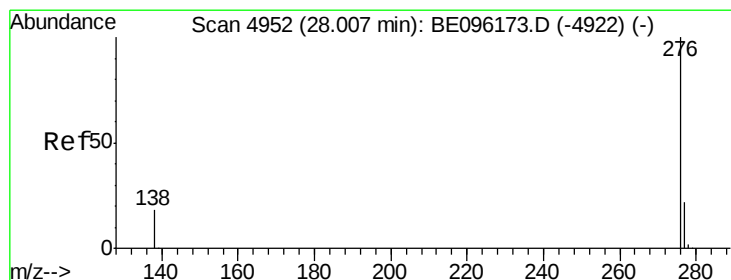
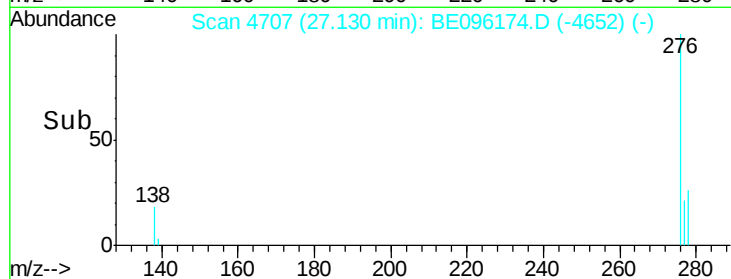
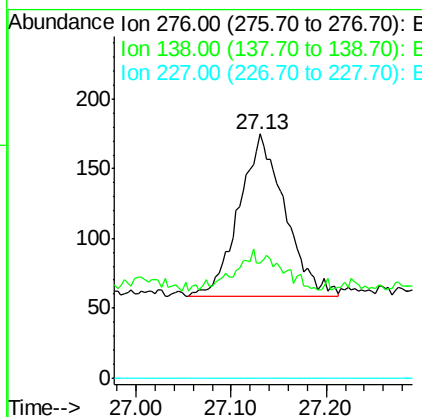
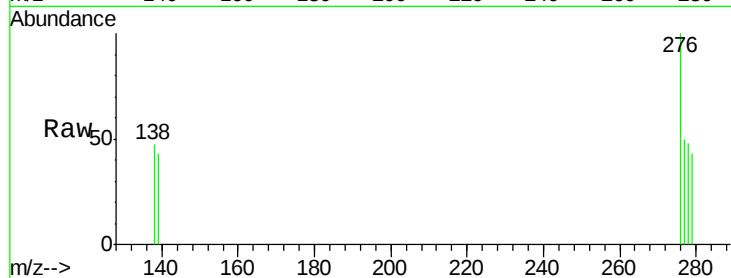
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.023 ng/uL  
 RT: 27.13 min Scan# 4707  
 Delta R.T. -0.00 min  
 Lab File: BE096174.D  
 Acq: 26 Apr 2018 10:59

Instrument :  
 BNA\_E  
 ClientSampleID :  
 DASN7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 10.6  | 28.0  | 42.0# |
| 227     | 0.0   | 8.0   | 12.0# |

Manual Integrations  
 APPROVED

Sohil  
 4/27/2018 7:28:39 PM



#26  
 Benzo(g,h,i)perylene  
 Concen: 0.021 ng/uL  
 RT: 27.99 min Scan# 4948  
 Delta R.T. -0.02 min  
 Lab File: BE096174.D  
 Acq: 26 Apr 2018 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 54.9  | 21.8  | 32.8# |
| 277     | 54.2  | 20.5  | 30.7# |

