

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\  
 Data File : BE095226.D  
 Acq On : 29 Jan 2018 2:39  
 Operator : SJ/JU  
 Sample : J1223-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6A71

Manual Integrations  
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 1/29/2018 6:26:05 PM

Quant Time: Jan 29 08:29:47 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 29 08:11:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.44  | 152  | 2871     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.26 | 136  | 9374     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.02 | 164  | 6139     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.71 | 188  | 12555m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.80 | 240  | 13024    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.44 | 264  | 11730m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.81 | 152  | 4609     | 0.30   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.70 | 212  | 12853    | 0.27   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |        | Ovalue |          |
| 3) Naphthalene              | 11.31 | 128  | 79098    | 3.013  | ng/ul# | 87       |
| 5) 2-Methylnaphthalene      | 12.89 | 142  | 39757    | 2.268  | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.74 | 152  | 1312     | 0.044  | ng/ul# | 67       |
| 8) Acenaphthene             | 15.08 | 153  | 5362     | 0.234  | ng/ul  | 96       |
| 9) Fluorene                 | 16.03 | 166  | 3311     | 0.140  | ng/ul# | 75       |
| 11) Pentachlorophenol       | 17.36 | 266  | 82002    | 33.721 | ng/ul  | 95       |
| 12) Phenanthrene            | 17.75 | 178  | 8446     | 0.200  | ng/ul# | 87       |
| 13) Anthracene              | 17.85 | 178  | 2570     | 0.066  | ng/ul# | 93       |
| 15) Fluoranthene            | 19.73 | 202  | 26272    | 0.481  | ng/ul  | 83       |
| 17) Pyrene                  | 20.08 | 202  | 24625    | 0.563  | ng/ul# | 82       |
| 18) Benzo(a)anthracene      | 21.79 | 228  | 7088     | 0.174  | ng/ul# | 88       |
| 19) Chrysene                | 21.84 | 228  | 6594     | 0.156  | ng/ul  | 93       |
| 21) Benzo(b)fluoranthene    | 23.62 | 252  | 9388m    | 0.227  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.67 | 252  | 2364m    | 0.062  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 24.32 | 252  | 2675m    | 0.072  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 27.24 | 276  | 2336m    | 0.058  | ng/ul  |          |
| 26) Benzo(a,h,i)perylene    | 28.13 | 276  | 2113m    | 0.062  | ng/ul  |          |

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

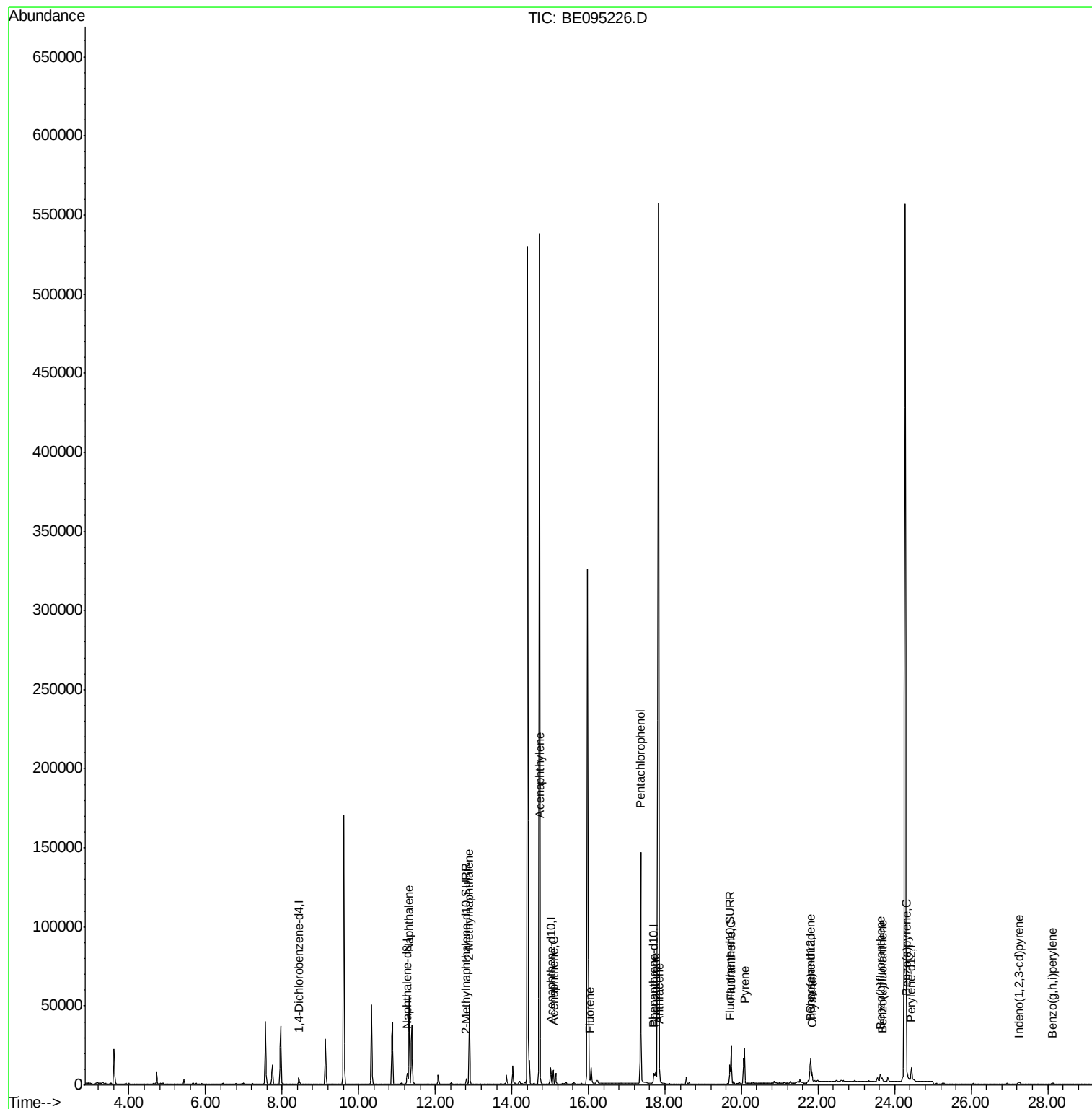
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\  
Data File : BE095226.D  
Acq On : 29 Jan 2018 2:39  
Operator : SJ/JU  
Sample : J1223-05  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

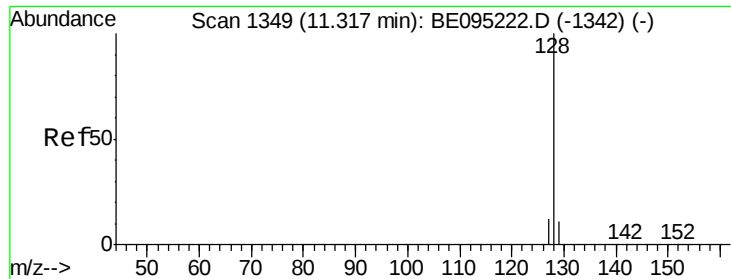
Instrument :  
BNA\_E  
ClientSampleId :  
F6A71

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Quant Time: Jan 29 08:29:47 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 29 08:11:22 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.013 ng/ul

RT: 11.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

Instrument :

BNA\_E

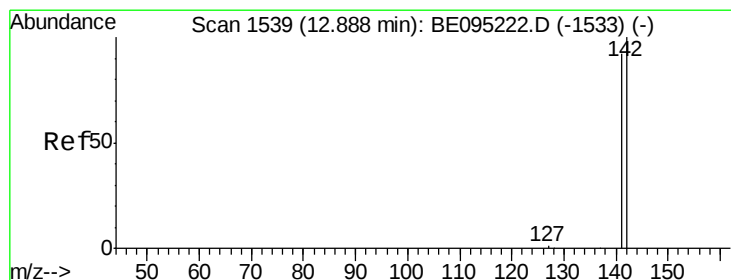
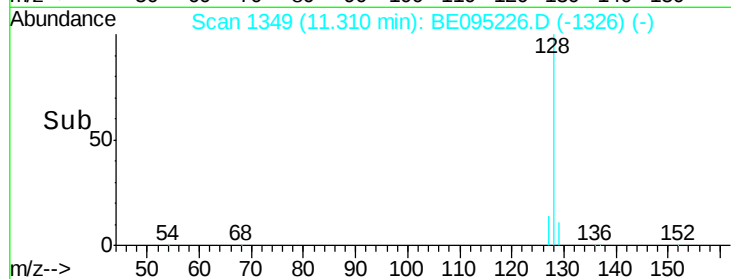
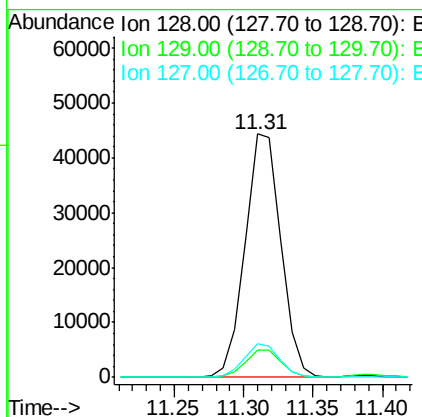
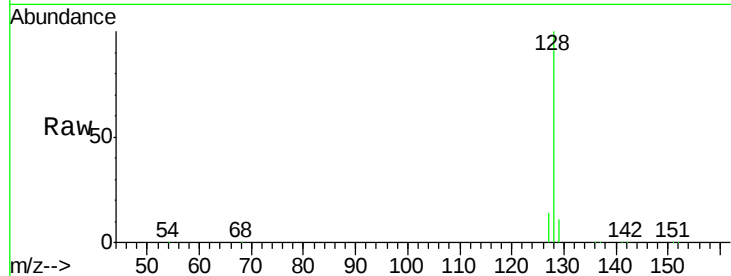
ClientSampleId :

F6A71

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 79098 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.9  | 11.3  | 16.9# |
| 127       | 13.8  | 4.0   | 6.0#  |

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#5

2-Methylnaphthalene

Concen: 2.268 ng/ul

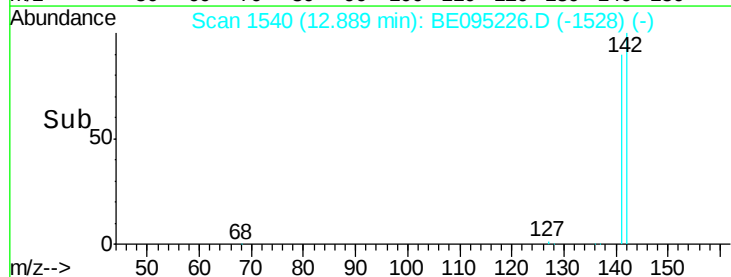
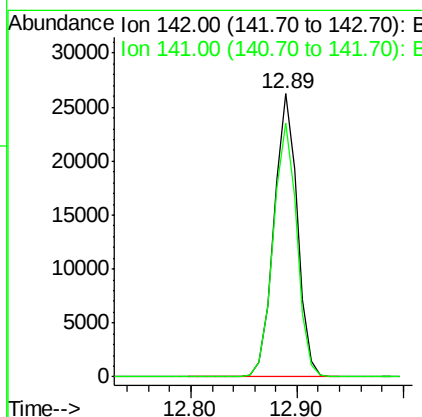
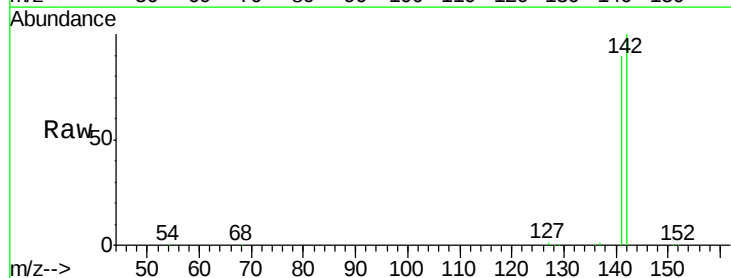
RT: 12.89 min Scan# 1540

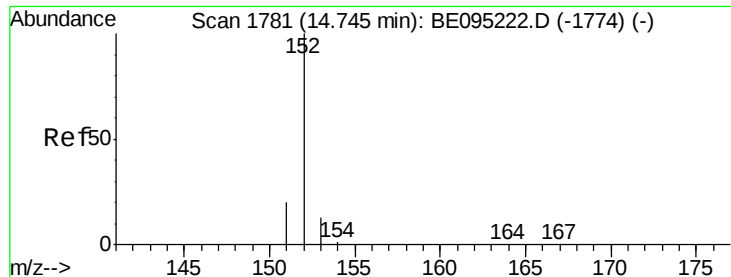
Delta R.T. 0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 39757 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 90.3  | 72.6  | 108.8 |





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 14.74 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

Instrument :

BNA\_E

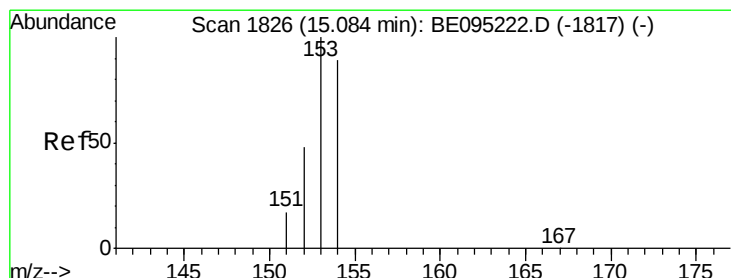
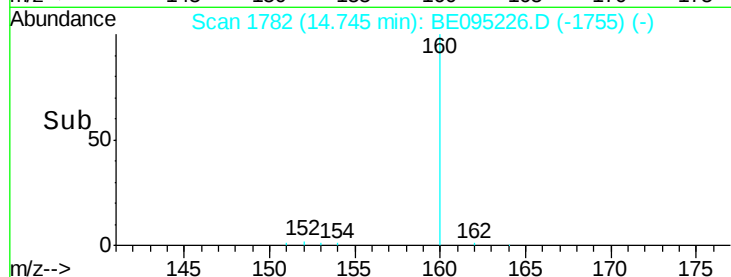
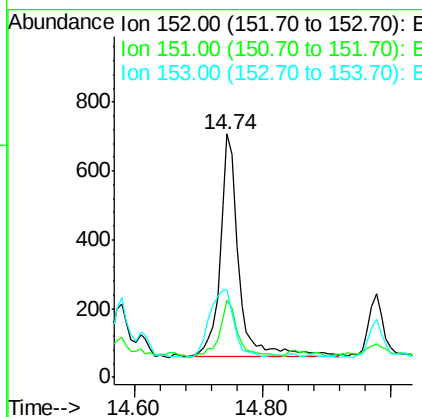
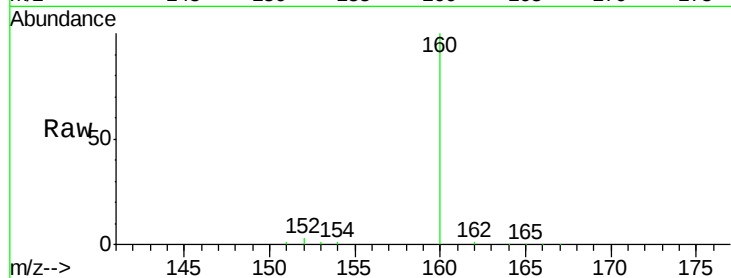
ClientSampleId :

F6A71

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 1312  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 31.8  | 17.1  | 25.7# |
| 153       | 36.2  | 12.8  | 19.2# |

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#8

Acenaphthene

Concen: 0.234 ng/ul

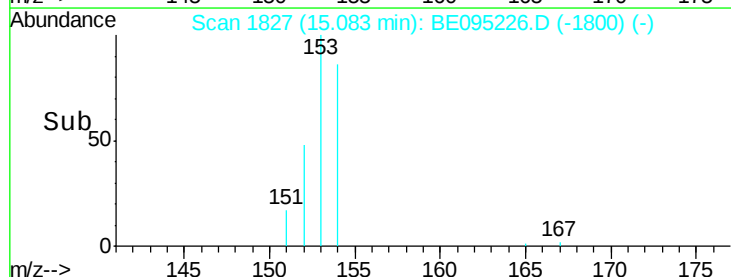
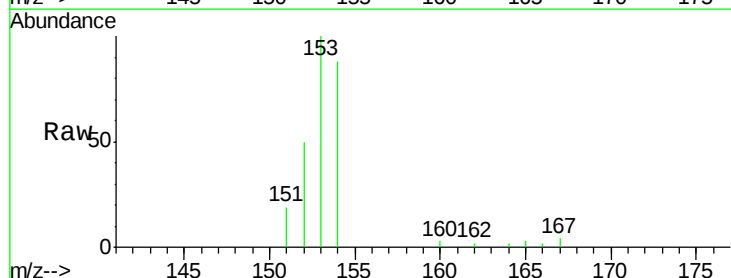
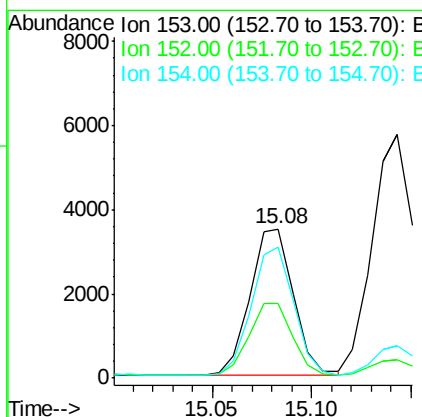
RT: 15.08 min Scan# 1827

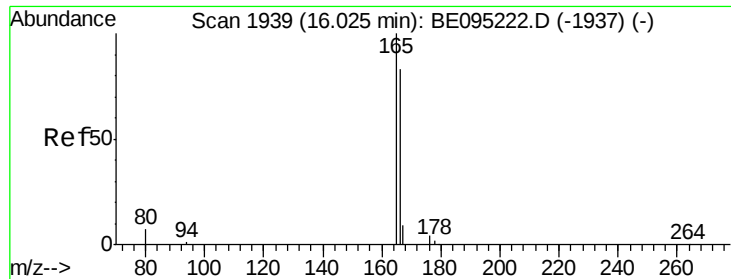
Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 5362  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 49.6  | 36.0  | 54.0  |
| 154       | 88.1  | 72.0  | 108.0 |





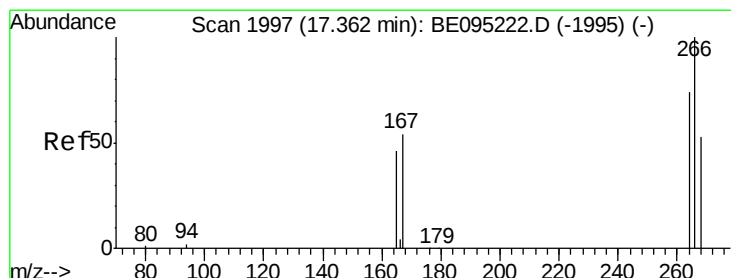
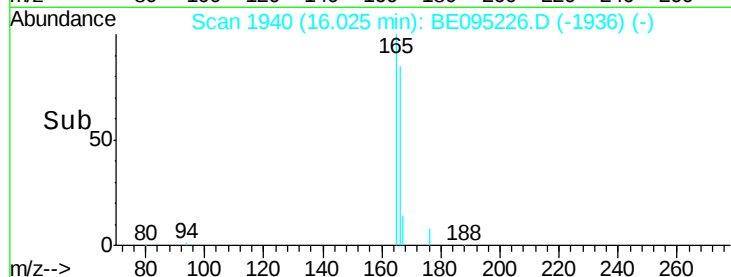
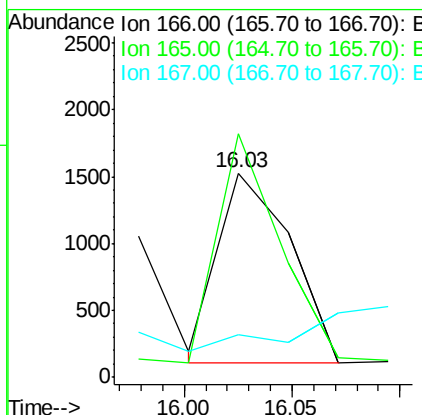
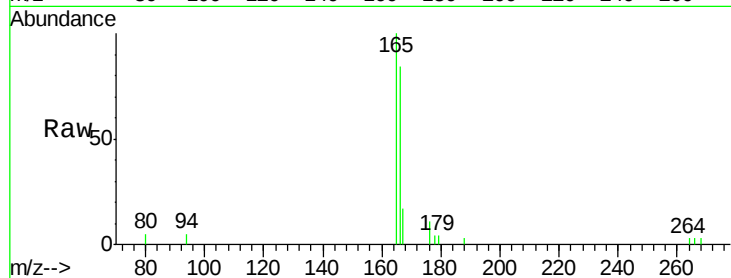
#9  
**Fluorene**  
 Concen: 0.140 ng/ul  
 RT: 16.03 min Scan# 1940  
 Delta R.T. -0.00 min  
 Lab File: BE095226.D  
 Acq: 29 Jan 2018 2:39

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6A71

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 166     | 100   |       |        |
| 165     | 119.1 | 73.4  | 110.2# |
| 167     | 20.8  | 14.6  | 22.0   |

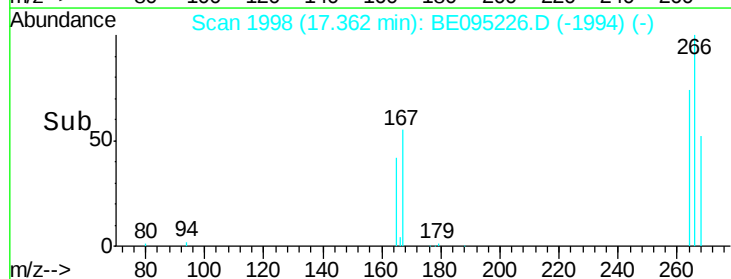
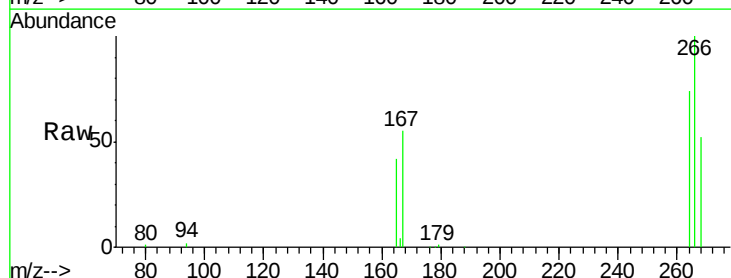
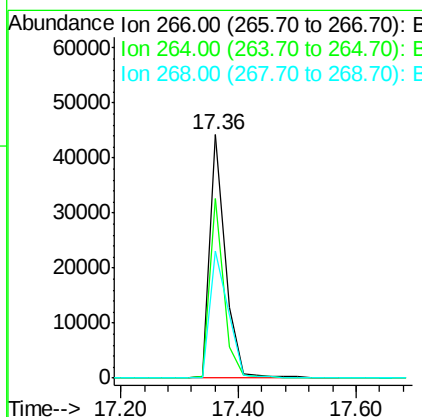
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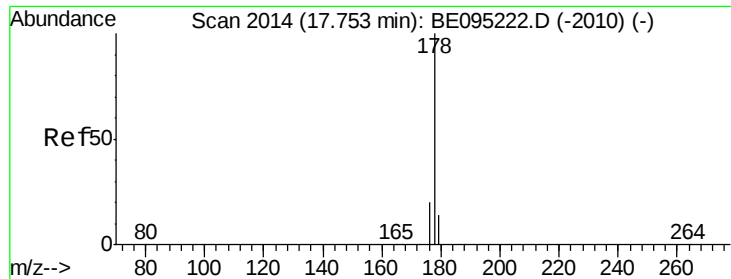
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 1/29/2018 6:26:05 PM



#11  
**Pentachlorophenol**  
 Concen: 33.721 ng/ul  
 RT: 17.36 min Scan# 1998  
 Delta R.T. -0.00 min  
 Lab File: BE095226.D  
 Acq: 29 Jan 2018 2:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 66.9  | 47.9  | 71.9  |
| 268     | 60.8  | 49.8  | 74.8  |





#12

Phenanthrene

Concen: 0.200 ng/ul

RT: 17.75 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

Instrument :

BNA\_E

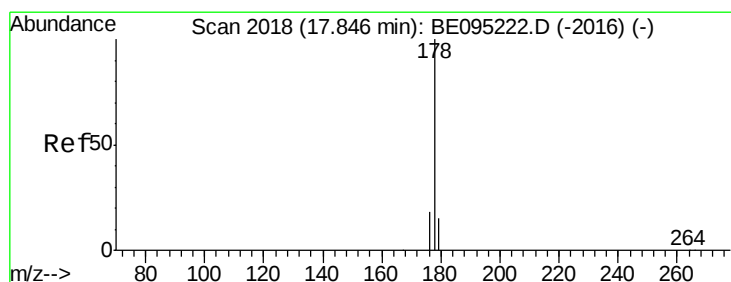
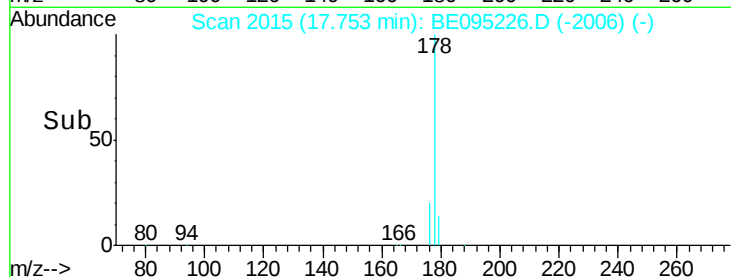
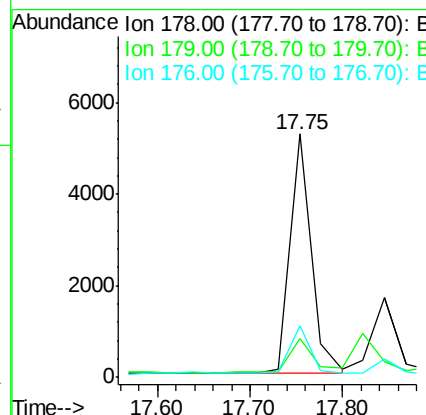
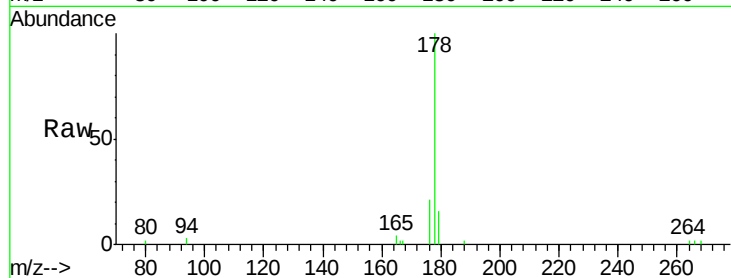
ClientSampleId :

F6A71

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.9  | 18.4  | 27.6# |
| 176     | 21.4  | 13.6  | 20.4# |

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#13

Anthracene

Concen: 0.066 ng/ul

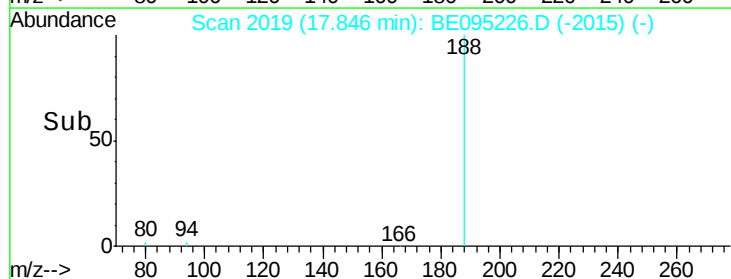
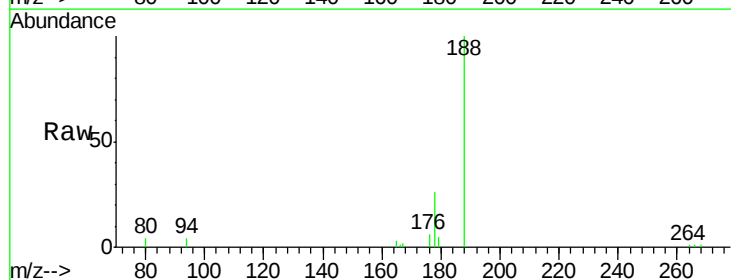
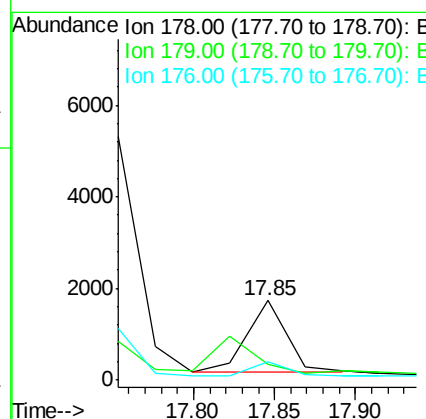
RT: 17.85 min Scan# 2019

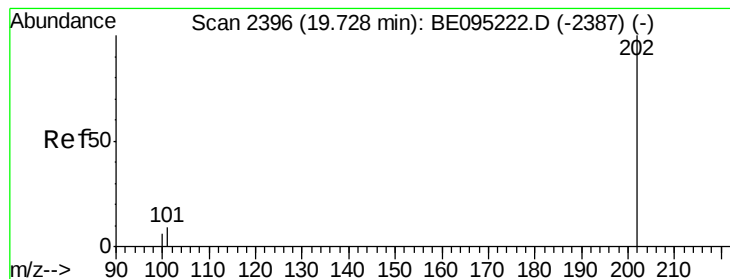
Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 20.3  | 18.1  | 27.1  |
| 176     | 22.8  | 14.7  | 22.1# |





#15

Fluoranthene

Concen: 0.481 ng/ul

RT: 19.73 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

Instrument :

BNA\_E

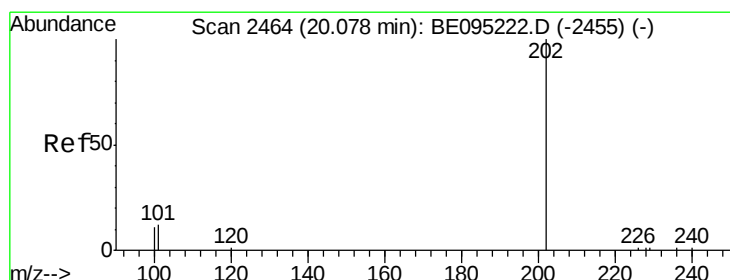
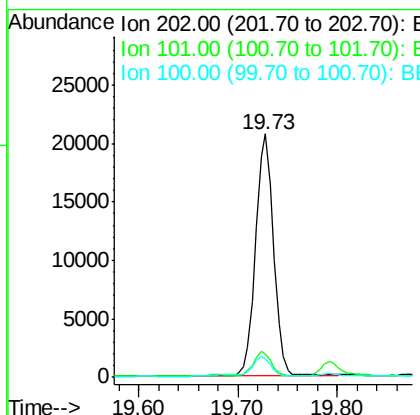
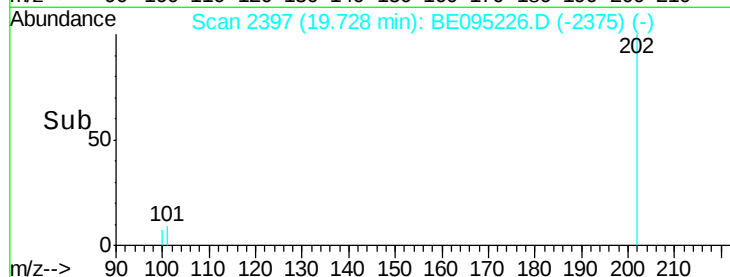
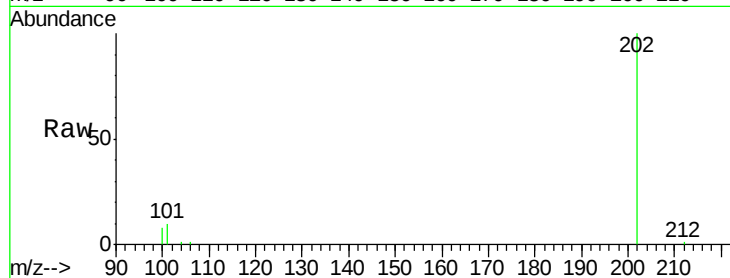
ClientSampled :

F6A71

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 26272 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.8   | 0.0   | 30.3  |
| 100       | 7.8   | 0.0   | 39.5  |

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#17

Pyrene

Concen: 0.563 ng/ul

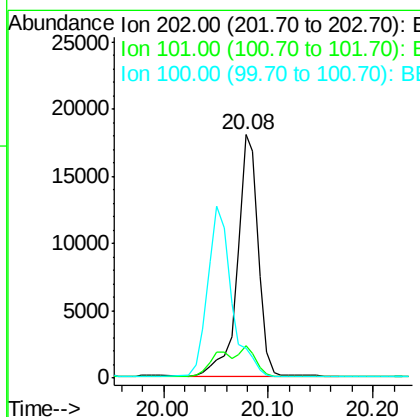
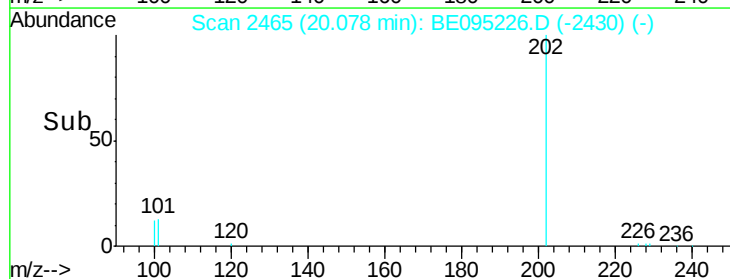
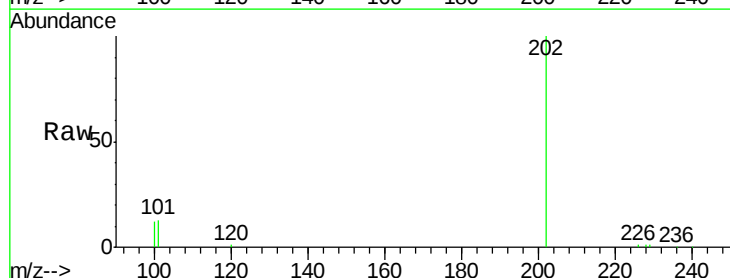
RT: 20.08 min Scan# 2465

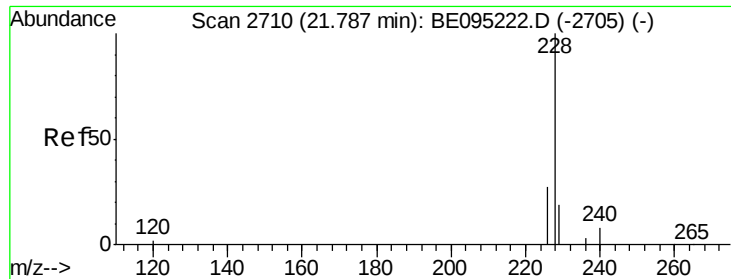
Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 24625 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.2  | 18.2  | 27.4# |
| 100       | 12.1  | 15.6  | 23.4# |





#18

Benzo(a)anthracene

Concen: 0.174 ng/ul

RT: 21.79 min Scan# 2711

Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

Instrument :

BNA\_E

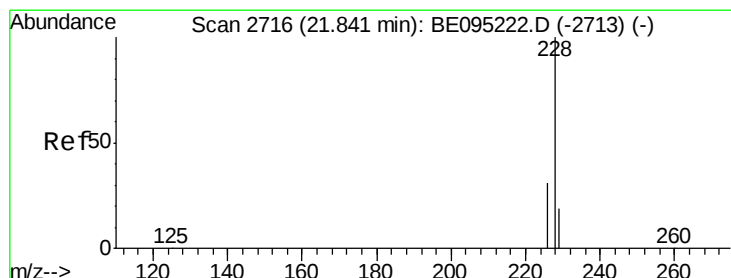
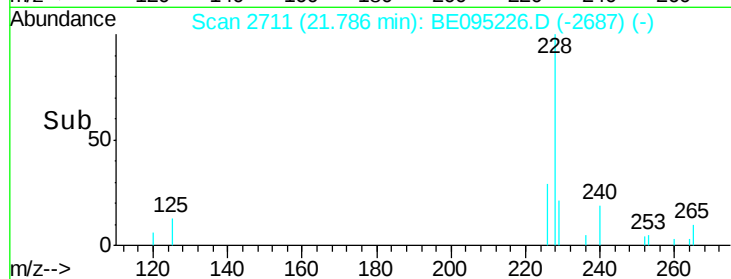
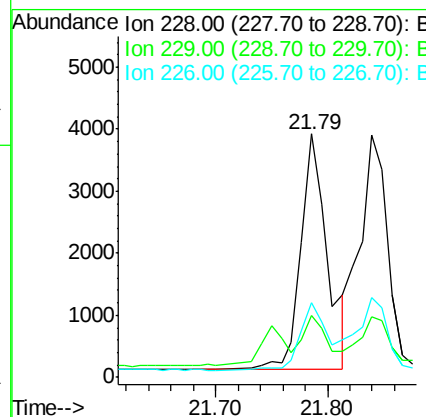
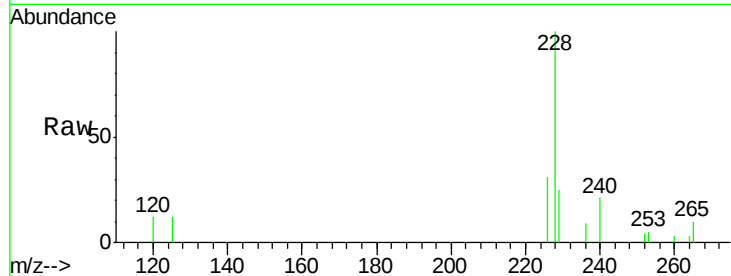
ClientSampled :

F6A71

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 25.2  | 22.8  | 34.2  |
| 226     | 30.9  | 17.0  | 25.6  |

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#19

Chrysene

Concen: 0.156 ng/ul

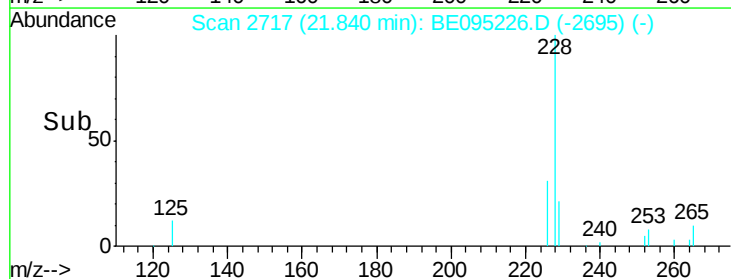
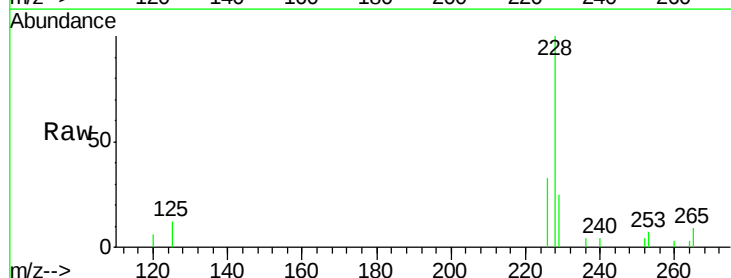
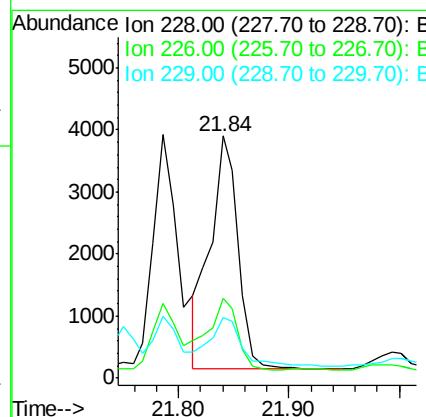
RT: 21.84 min Scan# 2717

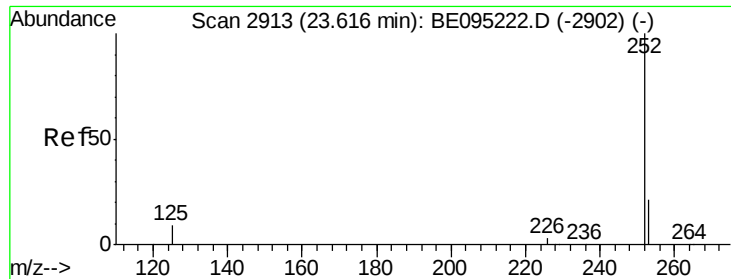
Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.0  | 23.4  | 35.0  |
| 229     | 25.0  | 17.7  | 26.5  |





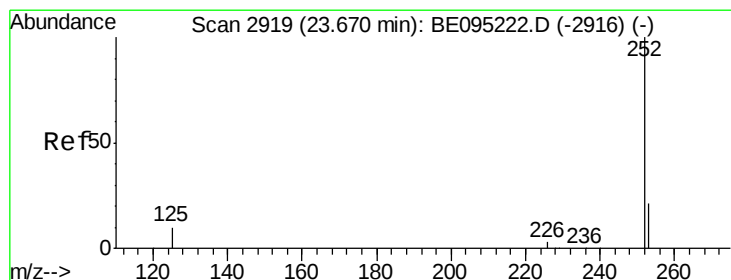
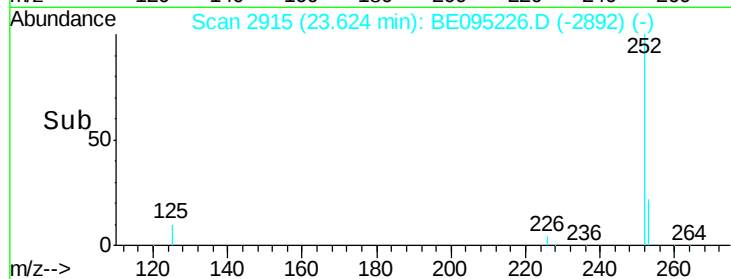
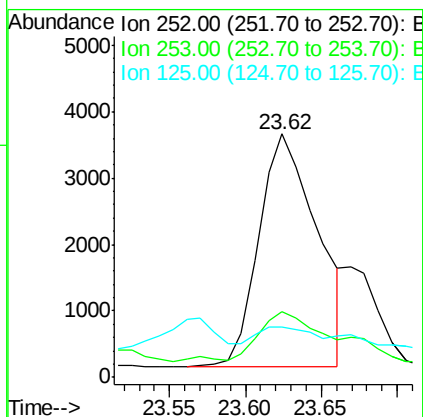
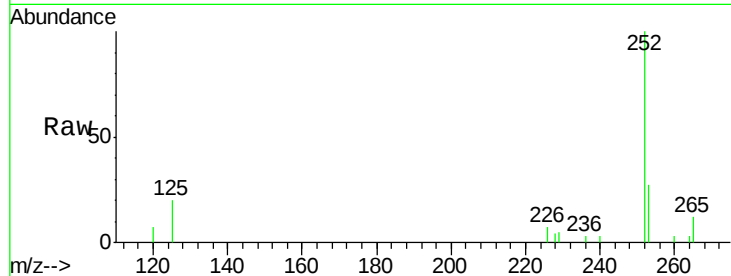
#21  
Benzo(b)fluoranthene  
Concen: 0.227 ng/ul m  
RT: 23.62 min Scan# 2915  
Delta R.T. 0.01 min  
Lab File: BE095226.D  
Acq: 29 Jan 2018 2:39

Instrument :  
BNA\_E  
ClientSampled :  
F6A71

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 27.1  | 0.0        | 64.2  |
| 125     | 20.5  | 0.0        | 35.0  |

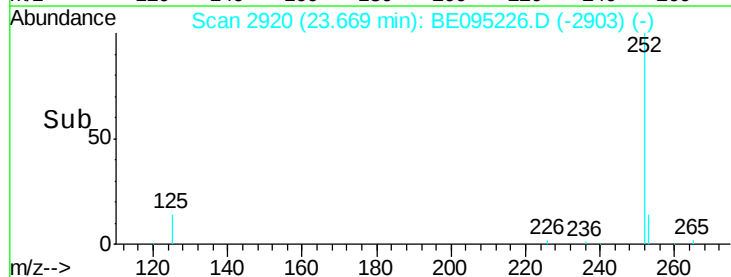
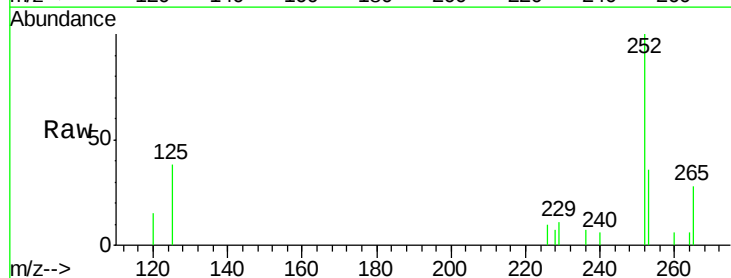
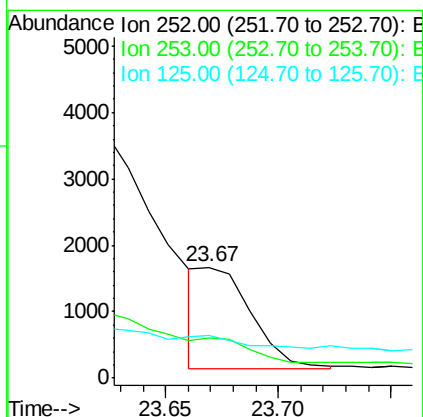
Manual Integrations  
APPROVED

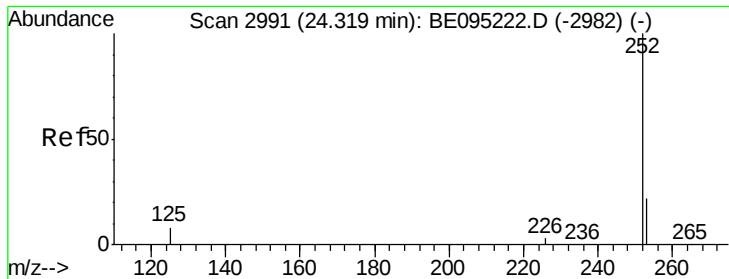
Sohil  
1/29/2018 6:26:05 PM



#22  
Benzo(k)fluoranthene  
Concen: 0.062 ng/ul m  
RT: 23.67 min Scan# 2920  
Delta R.T. -0.00 min  
Lab File: BE095226.D  
Acq: 29 Jan 2018 2:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 36.3  | 24.5       | 36.7  |
| 125     | 38.1  | 13.7       | 20.5  |





#23

Benzo(a)pyrene

Concen: 0.072 ng/ul m

RT: 24.32 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

Instrument :

BNA\_E

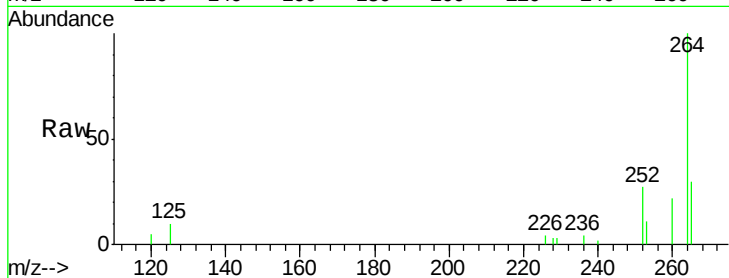
ClientSampled :

F6A71

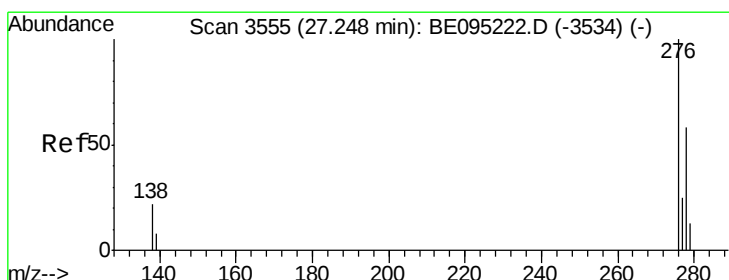
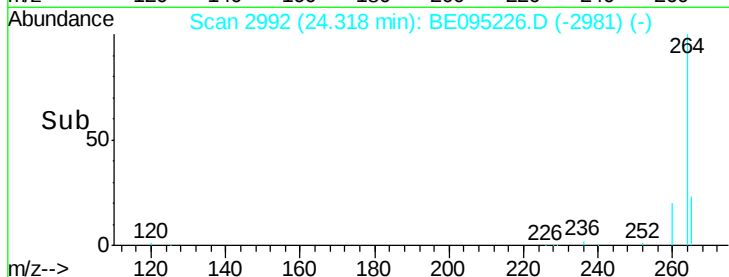
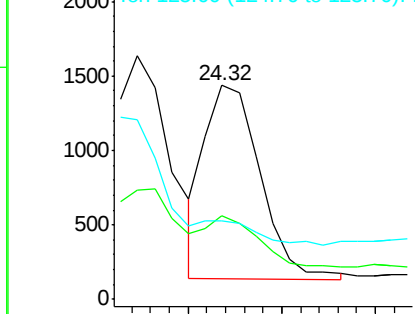
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 2675  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 39.2  | 28.5  | 42.7  |
| 125       | 36.9  | 18.1  | 27.1# |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.058 ng/ul m

RT: 27.24 min Scan# 3555

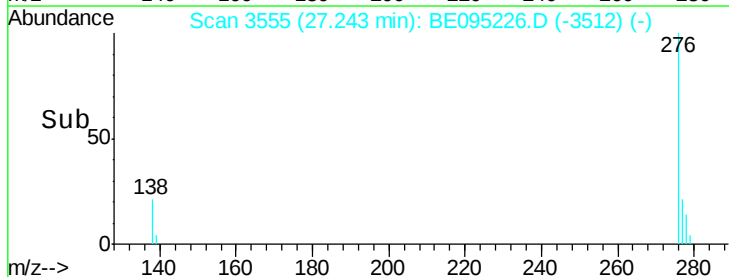
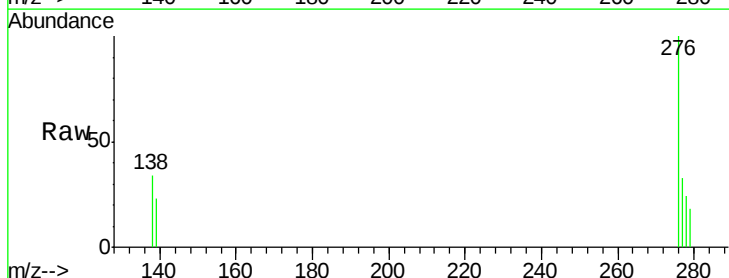
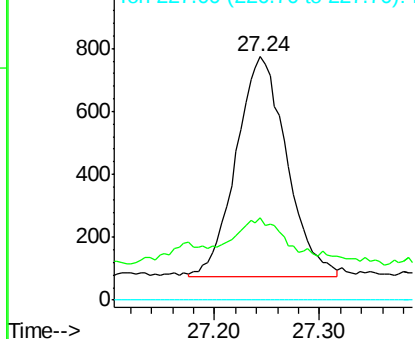
Delta R.T. -0.00 min

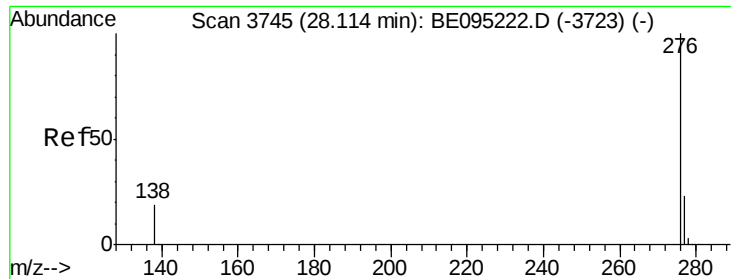
Lab File: BE095226.D

Acq: 29 Jan 2018 2:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 2336  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 0.4   | 28.0  | 42.0# |
| 227       | 0.0   | 8.0   | 12.0# |

Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 227.00 (226.70 to 227.70): E





#26  
 Benzo(a,h,i)perylene  
 Concen: 0.062 ng/ul m  
 RT: 28.13 min Scan# 3749  
 Delta R.T. 0.01 min  
 Lab File: BE095226.D  
 Acq: 29 Jan 2018 2:39

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6A71

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 36.2  | 21.8  | 32.8# |
| 277     | 34.9  | 20.5  | 30.7# |

Manual Integrations  
 APPROVED

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 1/29/2018 6:26:05 PM

