

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031418\  
 Data File : BE095791.D  
 Acq On : 15 Mar 2018 7:22  
 Operator : SJ/JU  
 Sample : J1835-13  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6F12

Manual Integrations  
 APPROVED

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 3/15/2018 6:55:16 PM

Quant Time: Mar 15 09:09:47 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 15 05:35:28 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.45  | 152  | 2162     | 0.40   | ng/ul  | 0.02     |
| 2) Naphthalene-d8           | 11.27 | 136  | 6386     | 0.40   | ng/ul  | 0.03     |
| 6) Acenaphthene-d10         | 15.02 | 164  | 3713     | 0.40   | ng/ul  | 0.02     |
| 10) Phenanthrene-d10        | 17.73 | 188  | 7809m    | 0.40   | ng/ul  | 0.02     |
| 16) Chrysene-d12            | 21.82 | 240  | 7568m    | 0.40   | ng/ul  | 0.02     |
| 20) Perylene-d12            | 24.47 | 264  | 8327     | 0.40   | ng/ul  | 0.04     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.82 | 152  | 2798     | 0.26   | ng/ul  | 0.02     |
| 14) Fluoranthene-d10        | 19.71 | 212  | 6467m    | 0.26   | ng/ul  | 0.02     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 11.32 | 128  | 16393    | 0.920  | ng/ul# | 88       |
| 5) 2-Methylnaphthalene      | 12.89 | 142  | 30992    | 2.501  | ng/ul  | 100      |
| 8) Acenaphthene             | 15.09 | 153  | 1353     | 0.096  | ng/ul# | 68       |
| 12) Phenanthrene            | 17.78 | 178  | 68200m   | 2.916  | ng/ul  |          |
| 13) Anthracene              | 17.87 | 178  | 6532m    | 0.299  | ng/ul  |          |
| 15) Fluoranthene            | 19.74 | 202  | 14447m   | 0.510  | ng/ul  |          |
| 17) Pyrene                  | 20.10 | 202  | 62329m   | 2.169  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.80 | 228  | 19329m   | 0.792  | ng/ul  |          |
| 19) Chrysene                | 21.86 | 228  | 39208m   | 1.577  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 23.65 | 252  | 12942m   | 0.449  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.69 | 252  | 3380m    | 0.123  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 24.36 | 252  | 17417    | 0.661  | ng/ul# | 68       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.32 | 276  | 9364     | 0.321  | ng/ul# | 75       |
| 25) Dibenzo(a,h)anthracene  | 27.32 | 278  | 4739     | 0.203  | ng/ul# | 1        |
| 26) Benzo(g,h,i)perylene    | 28.21 | 276  | 27164    | 1.083  | ng/ul# | 84       |

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

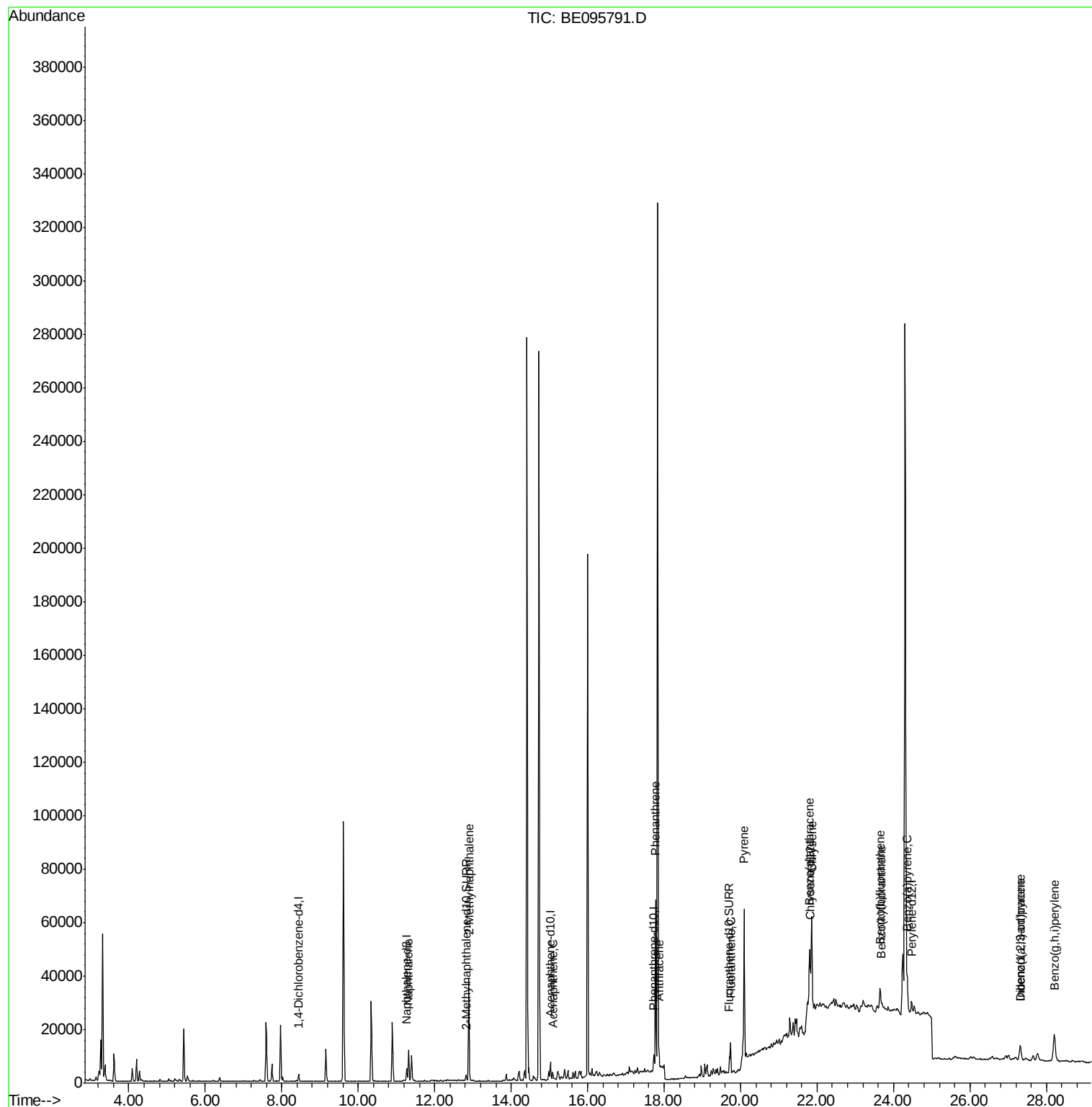
Data Path : Z:\HPCHEM1\BNA E\DATA\BE031418\  
Data File : BE095791.D  
Acq On : 15 Mar 2018 7:22  
Operator : SJ/JU  
Sample : J1835-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

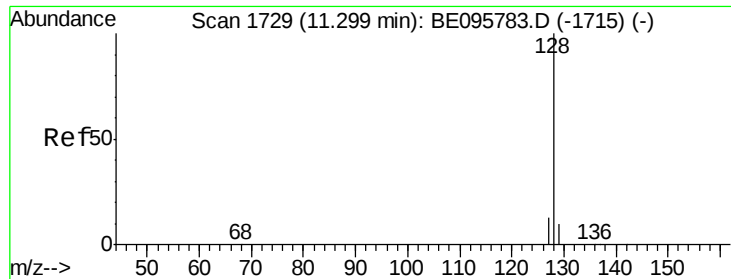
Instrument :  
BNA\_E  
ClientSampleId :  
F6F12

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Quant Time: Mar 15 09:09:47 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 15 05:35:28 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.920 ng/ul

RT: 11.32 min Scan# 1731

Delta R.T. 0.02 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

Instrument :

BNA\_E

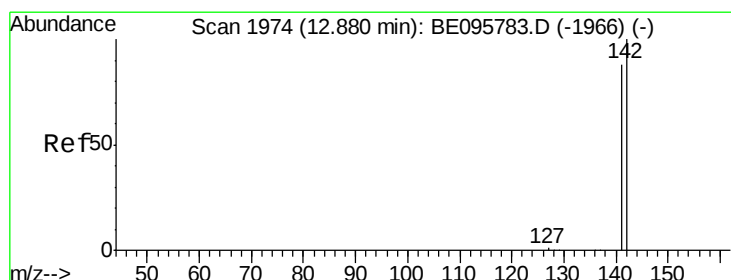
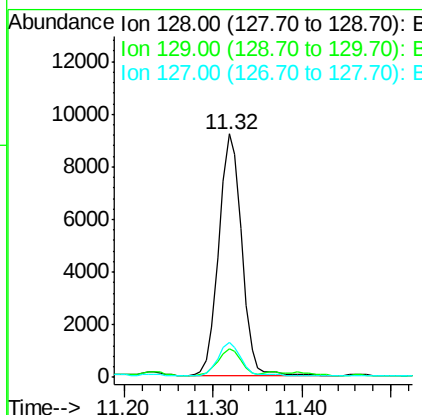
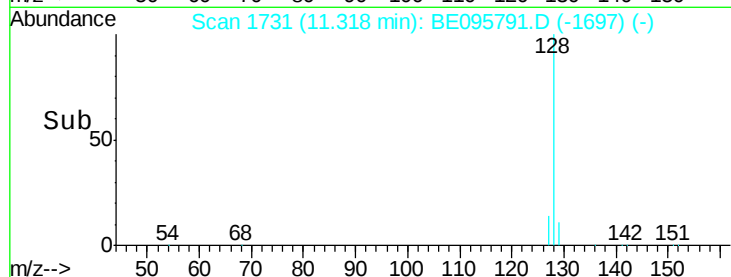
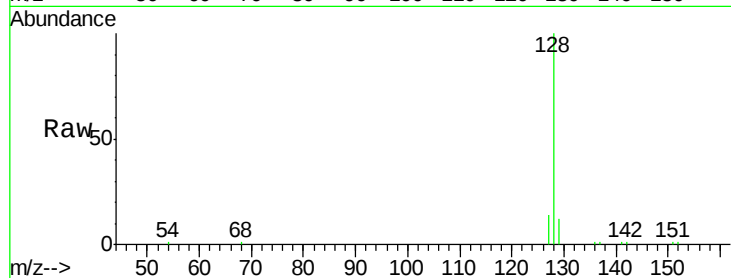
ClientSampleId :

F6F12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 11.3  | 16.9  |
| 127     | 14.4  | 4.0   | 6.0   |

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#5

2-Methylnaphthalene

Concen: 2.501 ng/ul

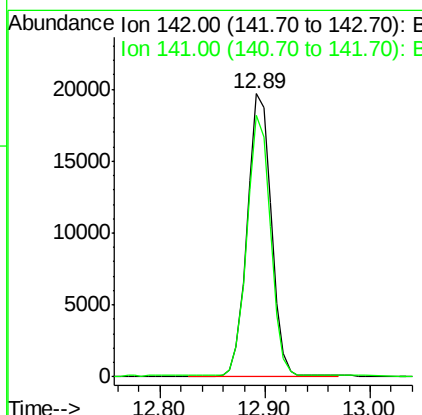
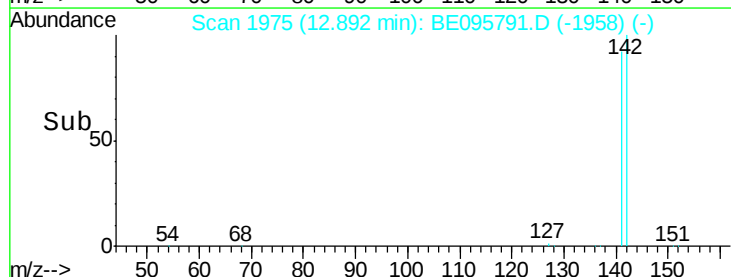
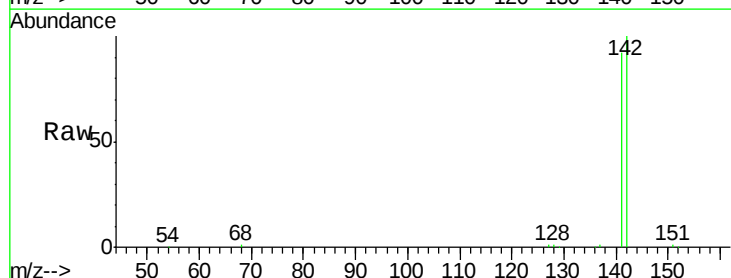
RT: 12.89 min Scan# 1975

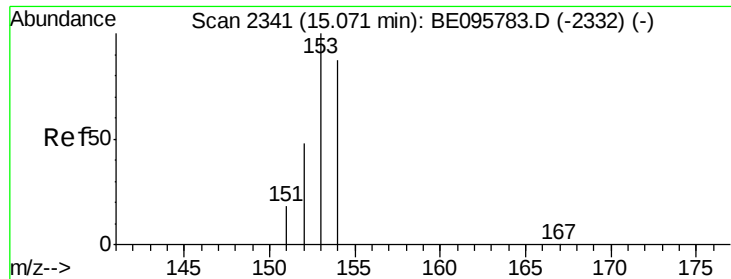
Delta R.T. 0.01 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.7  | 72.6  | 108.8 |





#8

Acenaphthene

Concen: 0.096 ng/ul

RT: 15.09 min Scan# 2343

Delta R.T. 0.02 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

Instrument :

BNA\_E

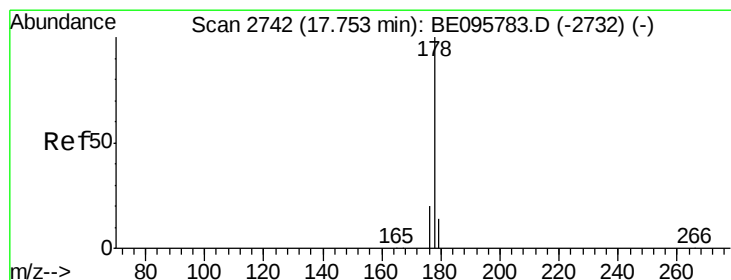
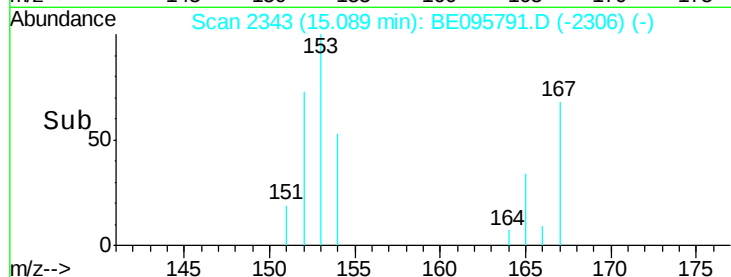
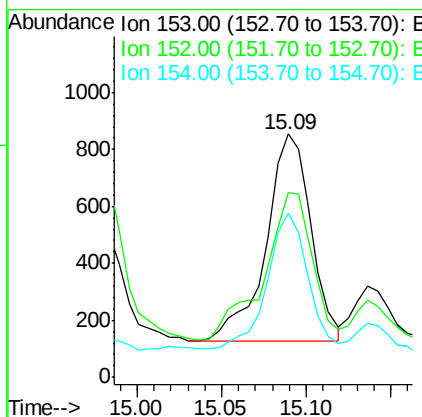
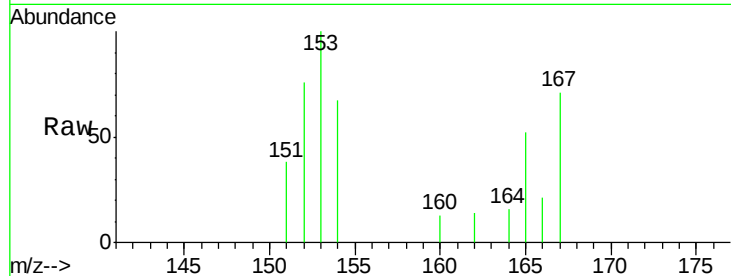
ClientSampleId :

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|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 153   | Resp: | 1353   |
| Ion      | Ratio | Lower | Upper  |
| 153      | 100   |       |        |
| 152      | 76.0  | 36.0  | 54.0#  |
| 154      | 67.3  | 72.0  | 108.0# |

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#12

Phenanthrene

Concen: 2.916 ng/ul m

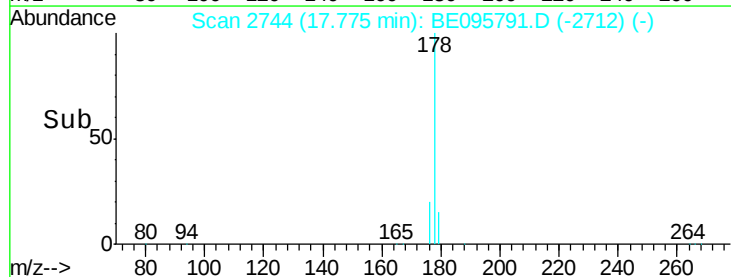
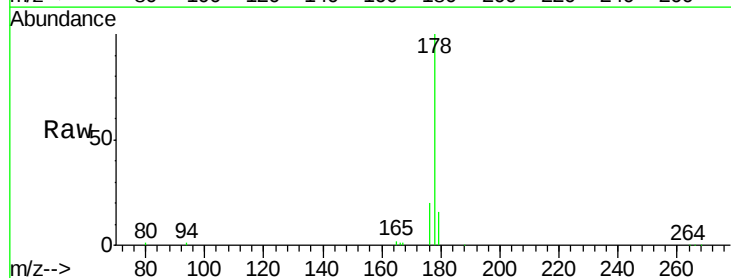
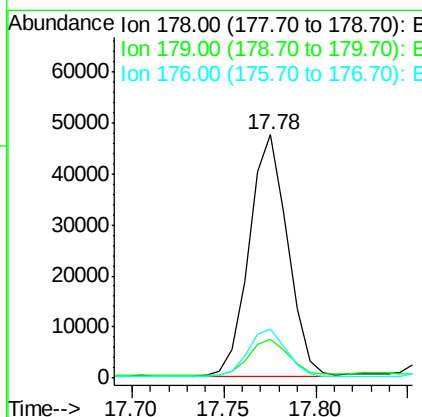
RT: 17.78 min Scan# 2744

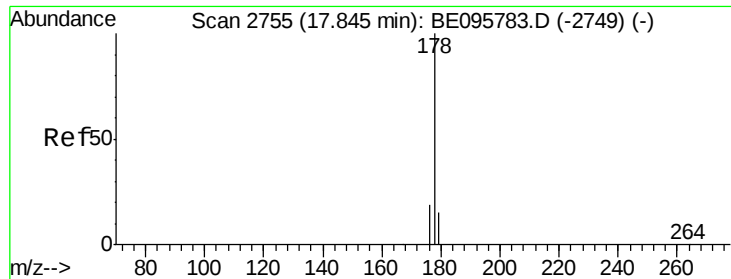
Delta R.T. 0.02 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 68200 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 16.2  | 18.4  | 27.6# |
| 176      | 20.1  | 13.6  | 20.4  |





#13

Anthracene

Concen: 0.299 ng/ul m

RT: 17.87 min Scan# 2757

Delta R.T. 0.02 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

Instrument :

BNA\_E

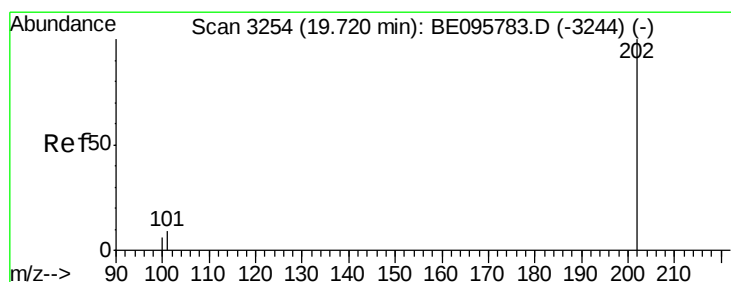
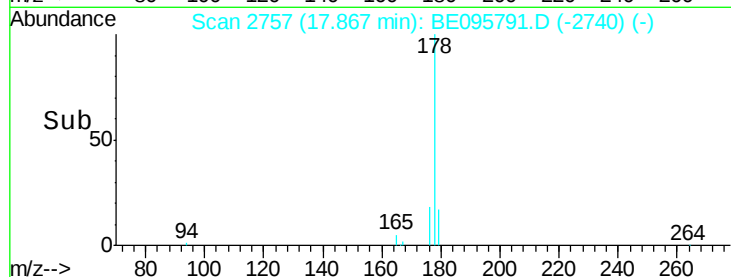
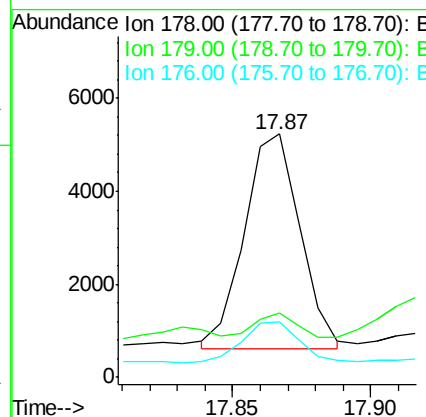
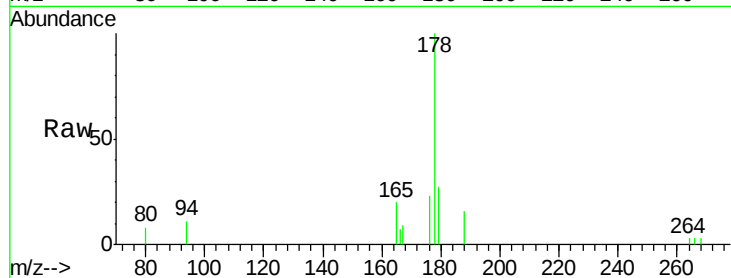
ClientSampleId :

F6F12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 26.5  | 18.1  | 27.1  |
| 176     | 22.8  | 14.7  | 22.1  |

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#15

Fluoranthene

Concen: 0.510 ng/ul m

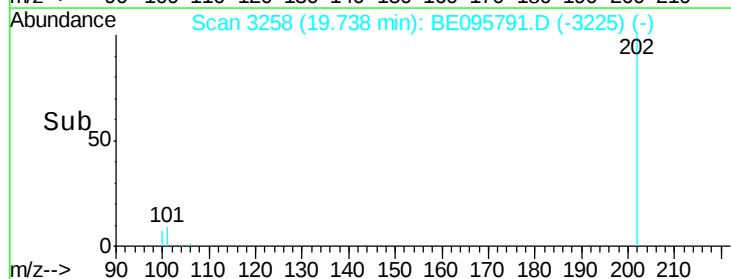
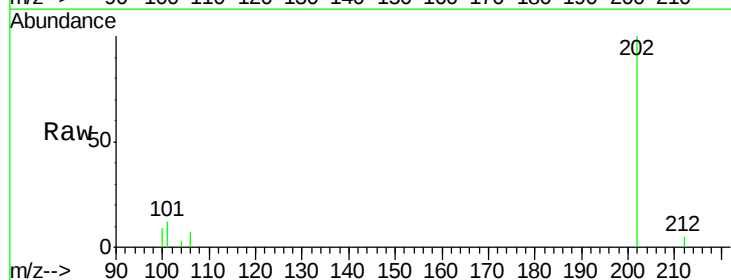
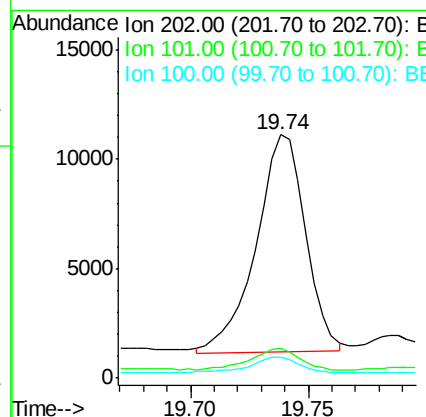
RT: 19.74 min Scan# 3258

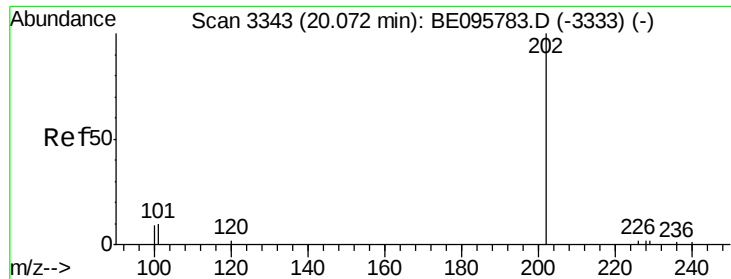
Delta R.T. 0.02 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.3  | 0.0   | 30.3  |
| 100     | 8.6   | 0.0   | 39.5  |





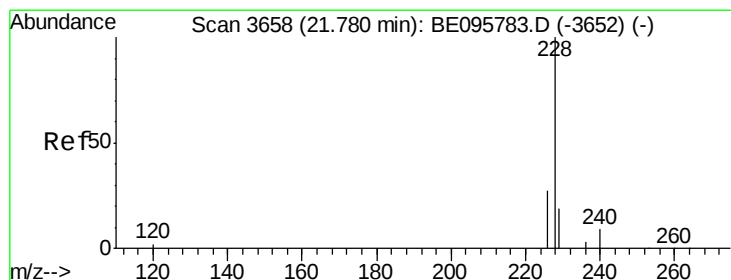
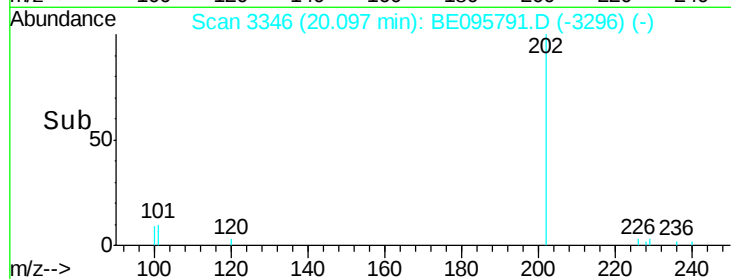
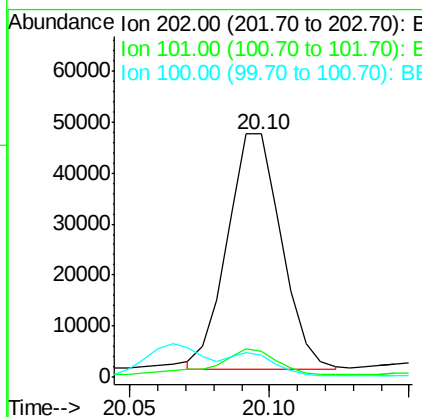
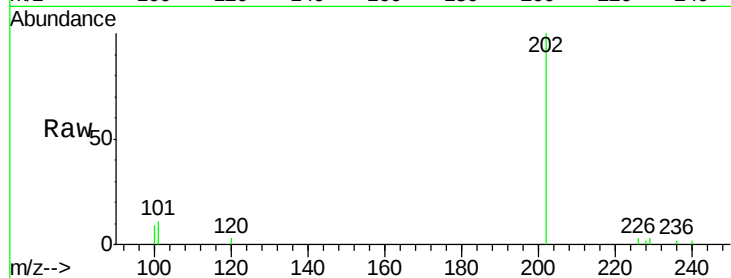
#17  
Pvrene  
Concen: 2.169 ng/ul m  
RT: 20.10 min Scan# 3346  
Delta R.T. 0.02 min  
Lab File: BE095791.D  
Acq: 15 Mar 2018 7:22

Instrument :  
BNA\_E  
ClientSampleId :  
F6F12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.8  | 18.2  | 27.4# |
| 100     | 9.1   | 15.6  | 23.4# |

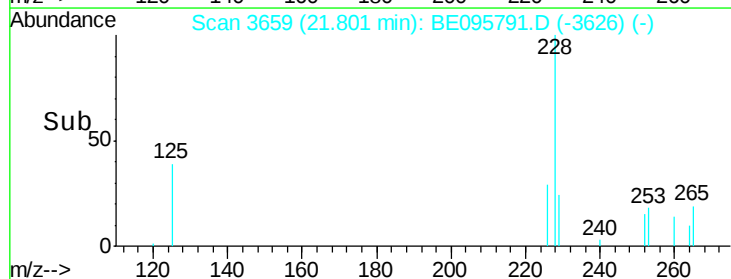
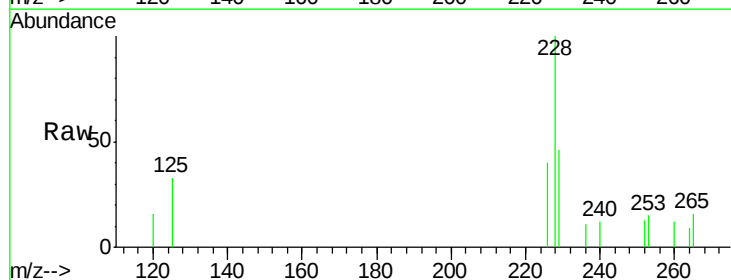
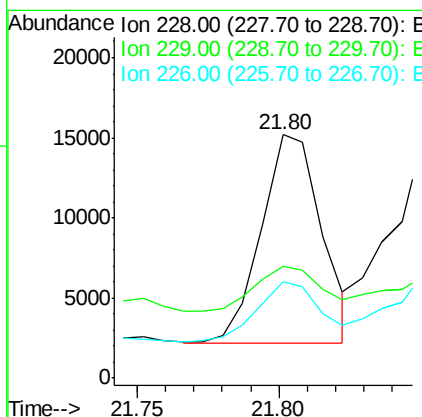
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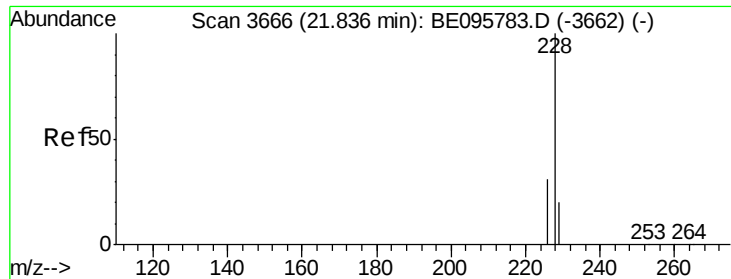
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#18  
Benzo(a)anthracene  
Concen: 0.792 ng/ul m  
RT: 21.80 min Scan# 3659  
Delta R.T. 0.02 min  
Lab File: BE095791.D  
Acq: 15 Mar 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 46.0  | 22.8  | 34.2# |
| 226     | 39.7  | 17.0  | 25.6# |





#19

Chrysene

Concen: 1.577 ng/ul m

RT: 21.86 min Scan# 3668

Delta R.T. 0.03 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

Instrument :

BNA\_E

ClientSampled :

F6F12

Tot Ion:228 Resp: 39208

Ion Ratio Lower Upper

228 100

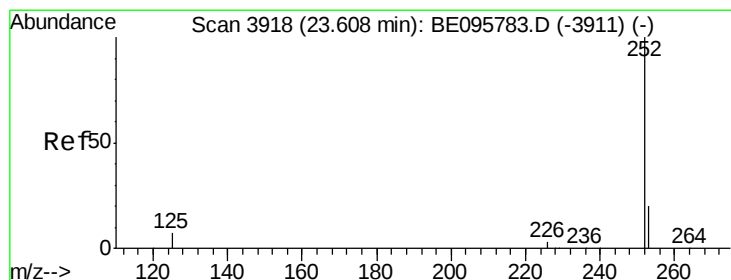
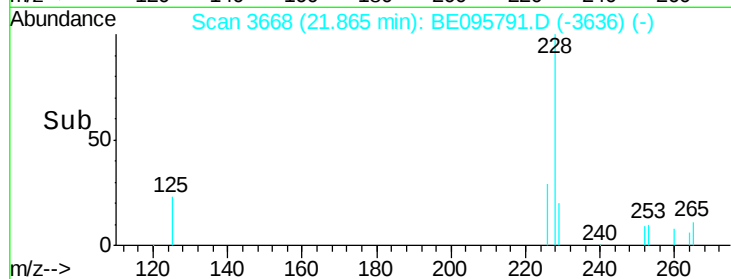
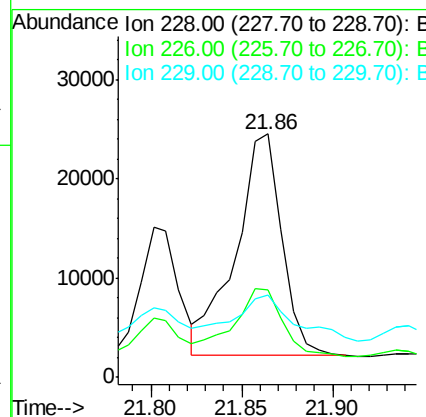
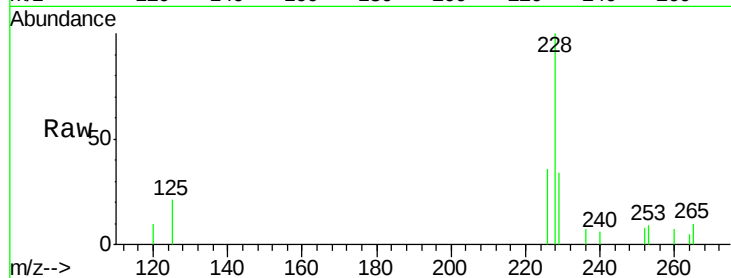
226 35.8 23.4 35.0#

229 33.7 17.7 26.5#

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#21

Benzo(b)fluoranthene

Concen: 0.449 ng/ul m

RT: 23.65 min Scan# 3922

Delta R.T. 0.04 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

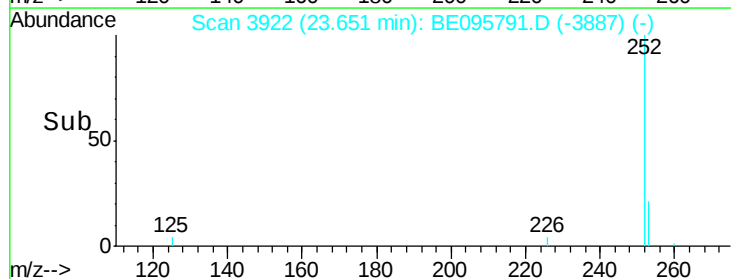
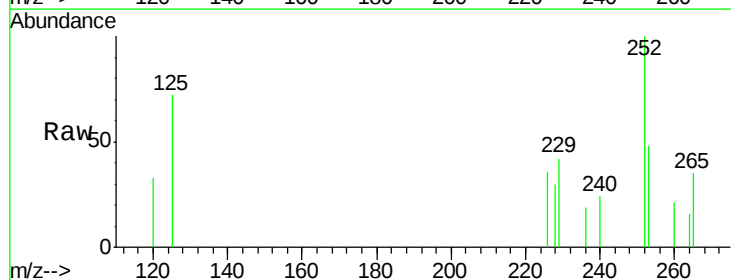
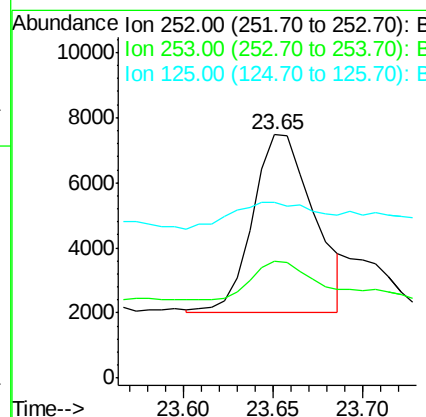
Tgt Ion:252 Resp: 12942

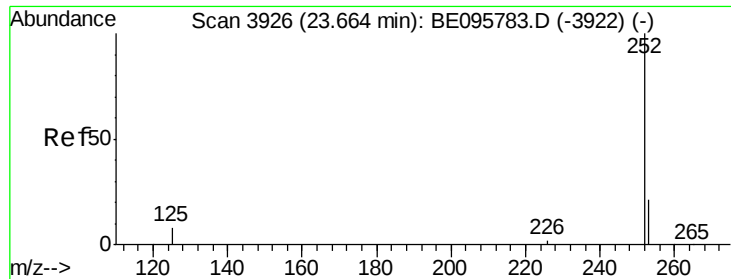
Ion Ratio Lower Upper

252 100

253 47.8 0.0 64.2

125 71.9 0.0 35.0#





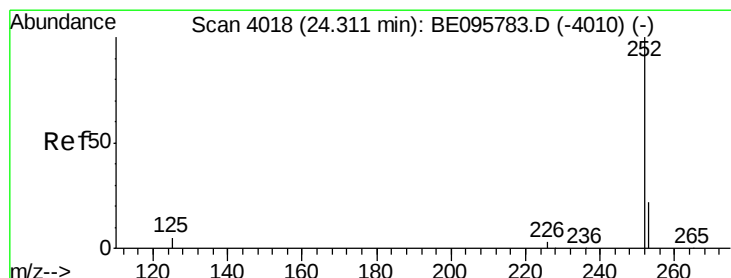
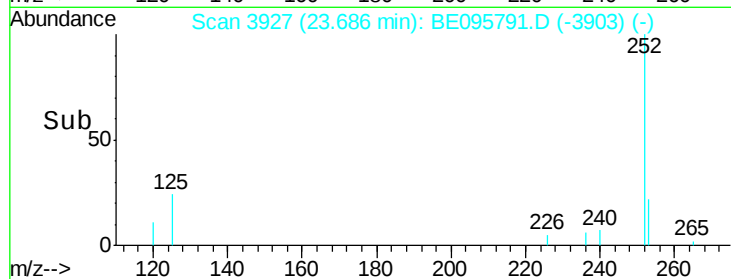
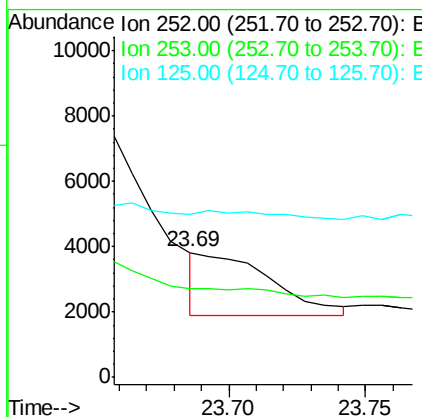
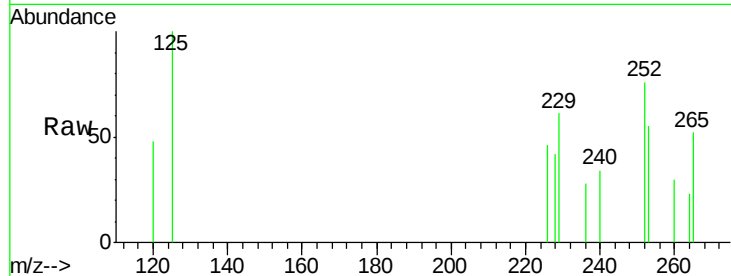
#22  
Benzo(k)fluoranthene  
Concen: 0.123 ng/ul m  
RT: 23.69 min Scan# 3927  
Delta R.T. 0.02 min  
Lab File: BE095791.D  
Acq: 15 Mar 2018 7:22

Instrument :  
BNA\_E  
ClientSampled :  
F6F12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 71.6  | 24.5  | 36.7# |
| 125     | 131.0 | 13.7  | 20.5# |

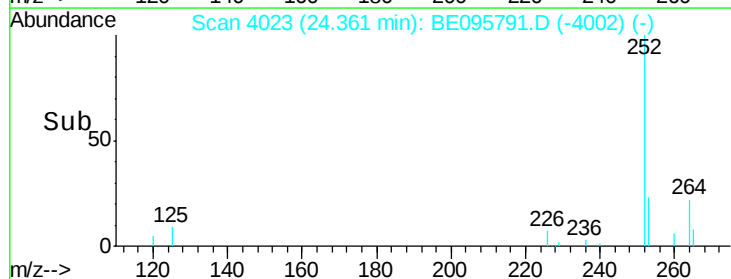
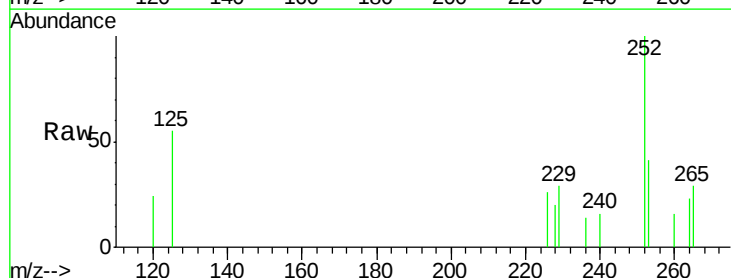
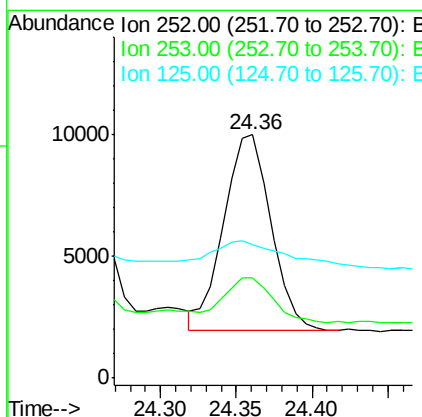
Manual Integrations  
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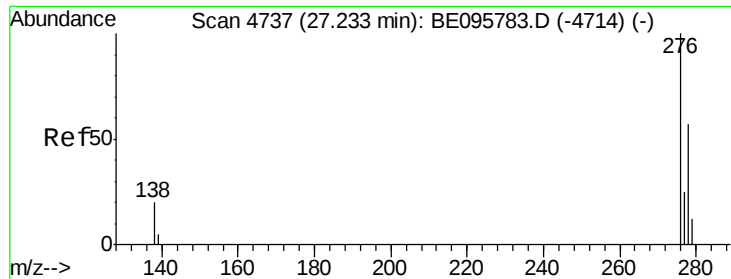
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#23  
Benzo(a)pyrene  
Concen: 0.661 ng/ul  
RT: 24.36 min Scan# 4023  
Delta R.T. 0.05 min  
Lab File: BE095791.D  
Acq: 15 Mar 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 41.3  | 28.5  | 42.7  |
| 125     | 54.7  | 18.1  | 27.1# |





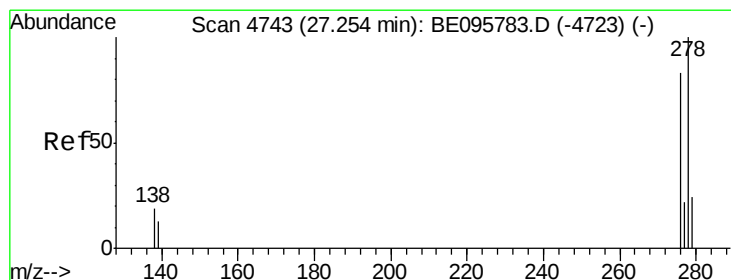
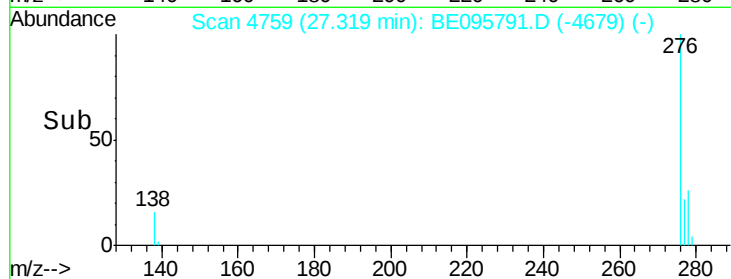
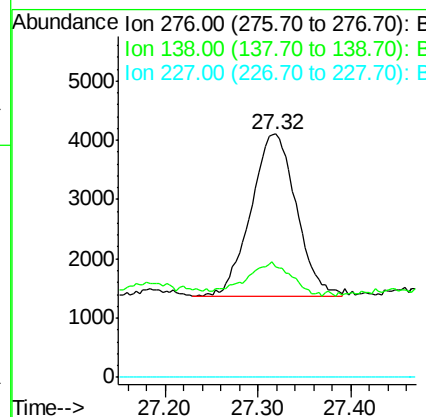
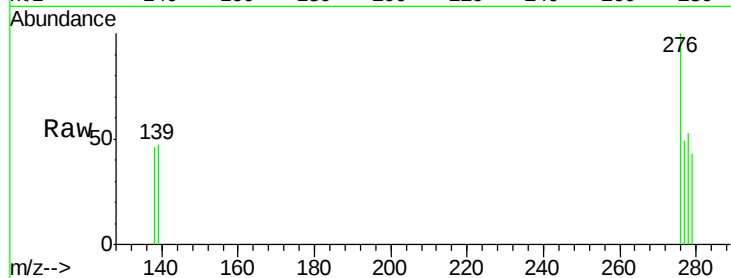
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.321 ng/uL  
RT: 27.32 min Scan# 4759  
Delta R.T. 0.09 min  
Lab File: BE095791.D  
Acq: 15 Mar 2018 7:22

Instrument :  
BNA\_E  
ClientSampled :  
F6F12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.7  | 28.0  | 42.0# |
| 227     | 0.0   | 8.0   | 12.0# |

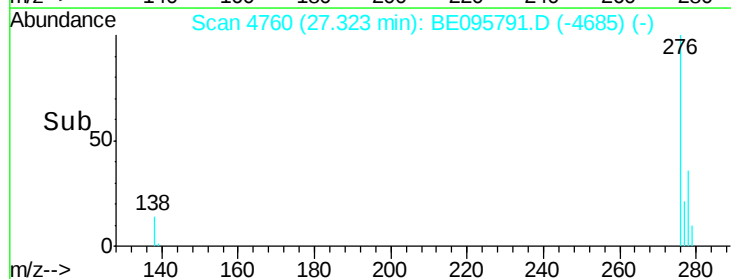
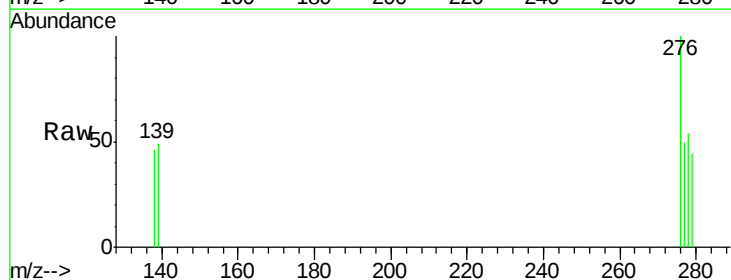
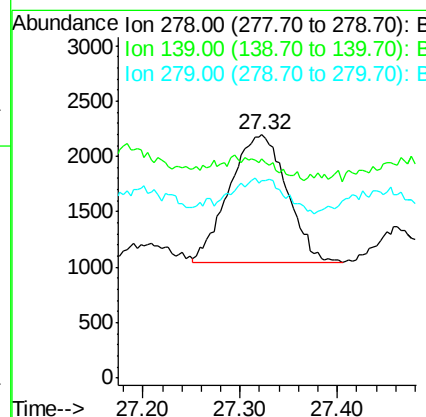
Manual Integrations  
APPROVED

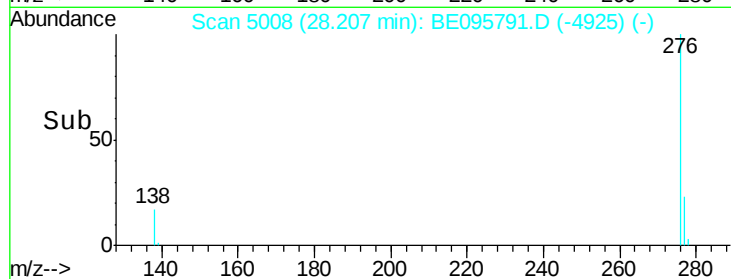
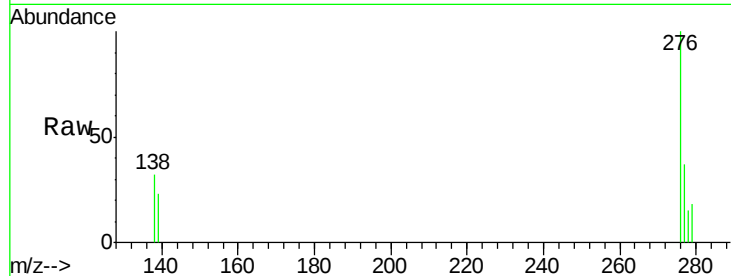
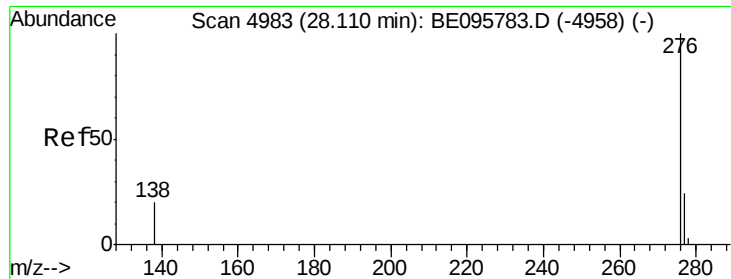
Sohil  
3/15/2018 6:55:16 PM



#25  
Dibenzo(a,h)anthracene  
Concen: 0.203 ng/uL  
RT: 27.32 min Scan# 4760  
Delta R.T. 0.07 min  
Lab File: BE095791.D  
Acq: 15 Mar 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 90.0  | 17.4  | 26.0# |
| 279     | 81.3  | 25.9  | 38.9# |





#26

Benzo(a,h,i)perylene

Concen: 1.083 ng/ul

RT: 28.21 min Scan# 5008

Delta R.T. 0.10 min

Lab File: BE095791.D

Acq: 15 Mar 2018 7:22

Instrument :

BNA\_E

ClientSampleId :

F6F12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.8  | 21.8  | 32.8  |
| 277     | 37.2  | 20.5  | 30.7  |

Manual Integrations  
APPROVED

Sohil  
3/15/2018 6:55:16 PM

