

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\  
 Data File : BE095293.D  
 Acq On : 31 Jan 2018 00:42  
 Operator : SJ/JU  
 Sample : J1221-05DL 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6A63DL

Manual Integrations  
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 1/31/2018 8:28:23 PM

Quant Time: Jan 31 03:52:49 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 03:40:45 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.44  | 152  | 2425     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.26 | 136  | 7265     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.02 | 164  | 4537     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.71 | 188  | 9985     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.80 | 240  | 10097    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.44 | 264  | 10219    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.81 | 152  | 1132     | 0.10   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.70 | 212  | 2993     | 0.08   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 14.75 | 152  | 448      | 0.021  | ng/ul# | 65       |
| 11) Pentachlorophenol       | 17.36 | 266  | 12936    | 6.689  | ng/ul  | 96       |
| 12) Phenanthrene            | 17.75 | 178  | 3292     | 0.098  | ng/ul# | 90       |
| 13) Anthracene              | 17.85 | 178  | 1319     | 0.043  | ng/ul# | 93       |
| 15) Fluoranthene            | 19.72 | 202  | 17807    | 0.410  | ng/ul  | 84       |
| 17) Pyrene                  | 20.08 | 202  | 20673    | 0.610  | ng/ul# | 78       |
| 18) Benzo(a)anthracene      | 21.79 | 228  | 5755     | 0.182  | ng/ul# | 89       |
| 19) Chrysene                | 21.84 | 228  | 6019     | 0.184  | ng/ul  | 90       |
| 21) Benzo(b)fluoranthene    | 23.62 | 252  | 8293m    | 0.230  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.67 | 252  | 1794m    | 0.054  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 24.32 | 252  | 2147     | 0.067  | ng/ul# | 70       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.25 | 276  | 1937     | 0.055  | ng/ul# | 80       |
| 26) Benzo(g,h,i)perylene    | 28.12 | 276  | 1632     | 0.055  | ng/ul# | 80       |

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

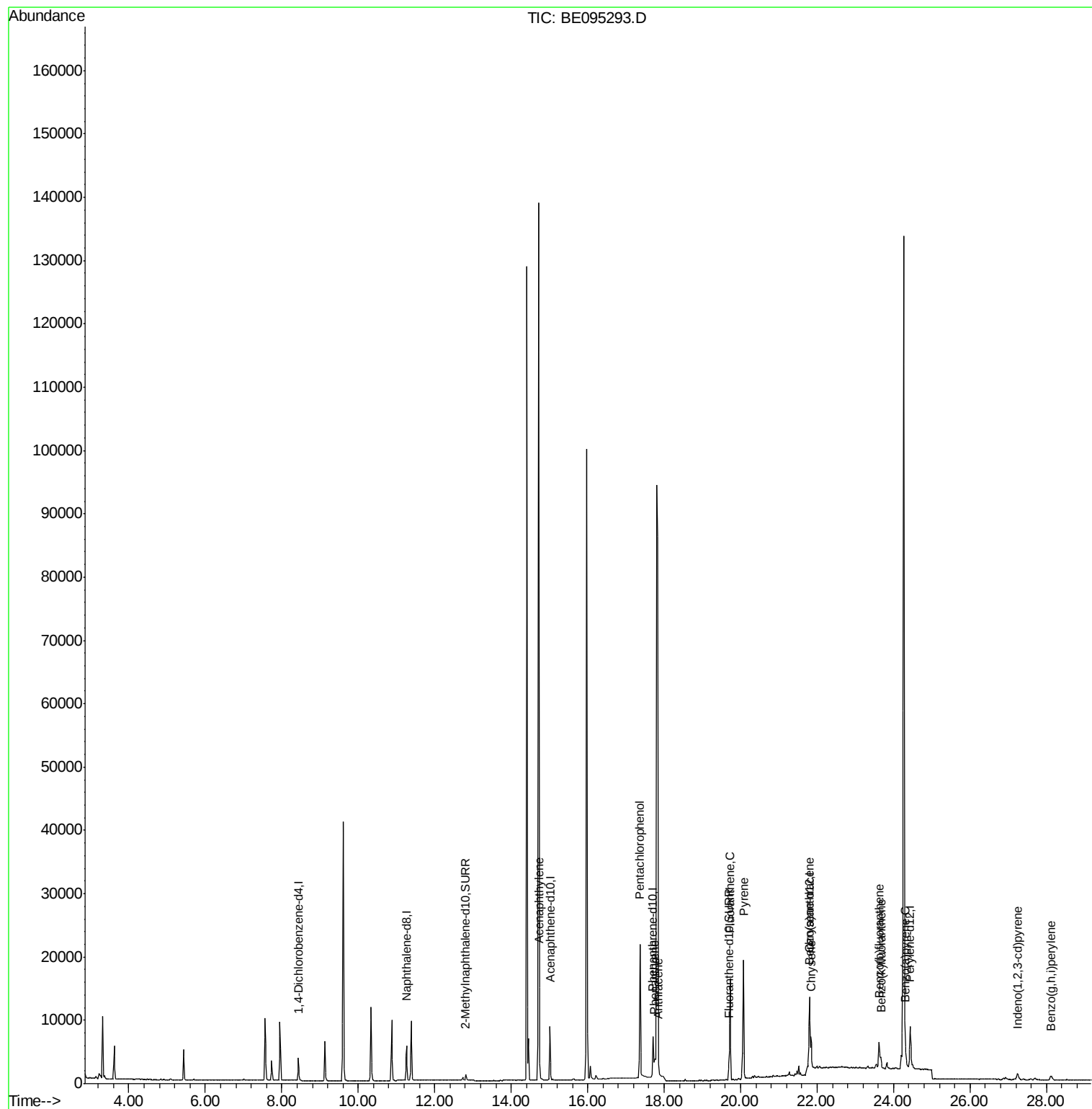
Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\  
Data File : BE095293.D  
Acq On : 31 Jan 2018 00:42  
Operator : SJ/JU  
Sample : J1221-05DL 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

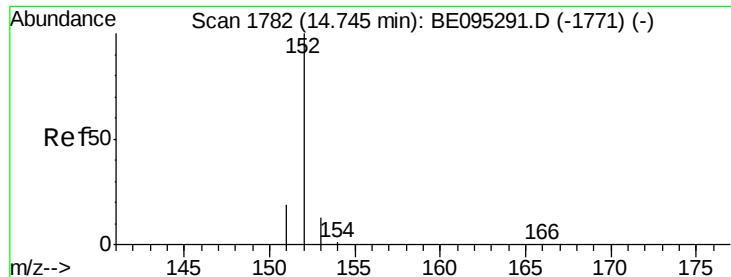
Instrument :  
BNA\_E  
ClientSampleId :  
F6A63DL

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Quant Time: Jan 31 03:52:49 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 03:40:45 2018  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.021 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE095293.D

Acq: 31 Jan 2018 00:42

Instrument :

BNA\_E

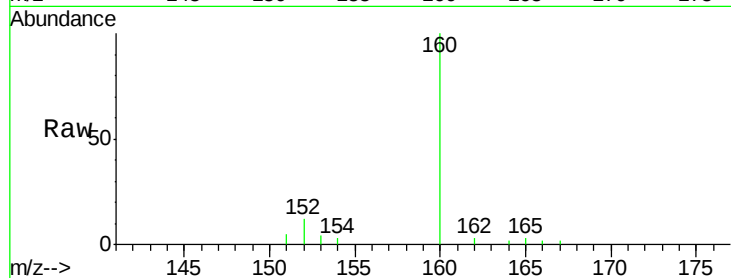
ClientSampleId :

F6A63DL

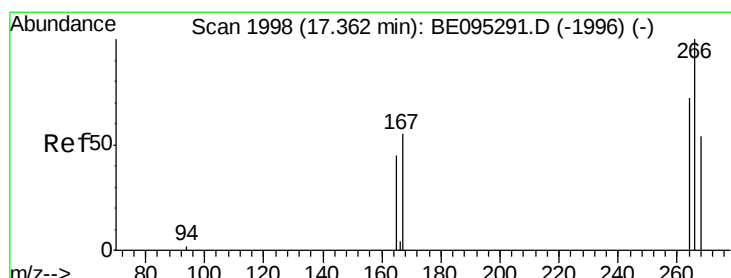
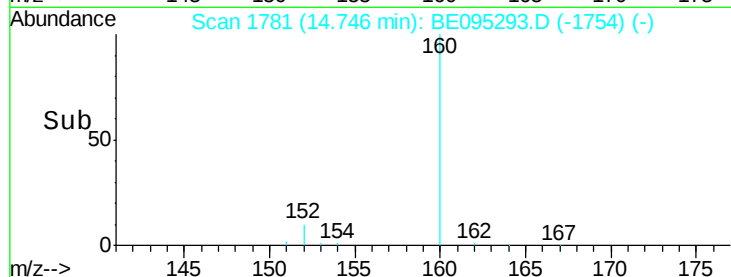
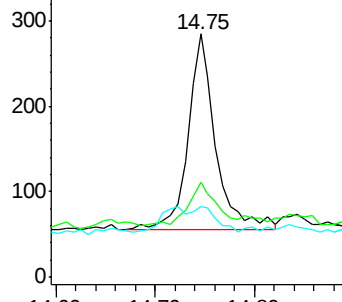
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 448   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 38.9  | 17.1  | 25.7# |
| 153      | 29.1  | 12.8  | 19.2# |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#11

Pentachlorophenol

Concen: 6.689 ng/ul

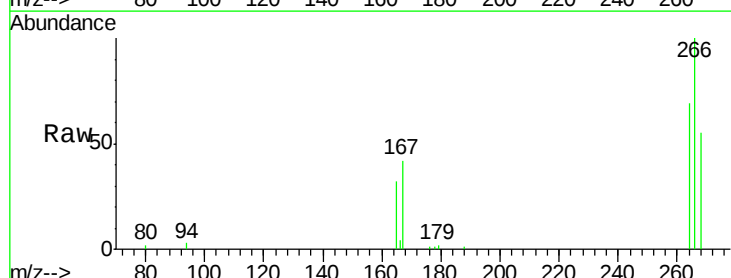
RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

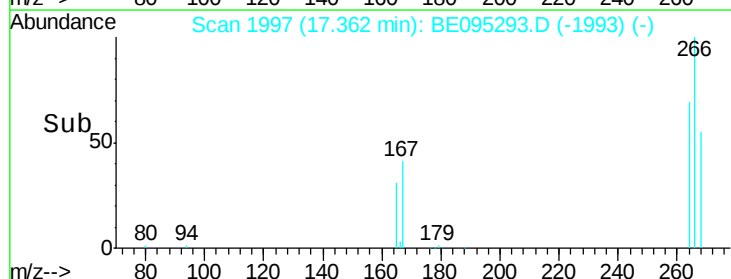
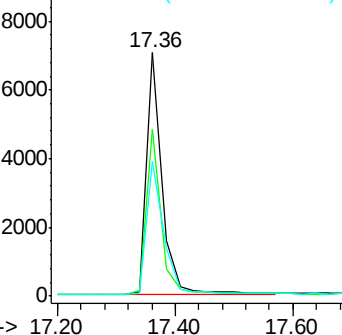
Lab File: BE095293.D

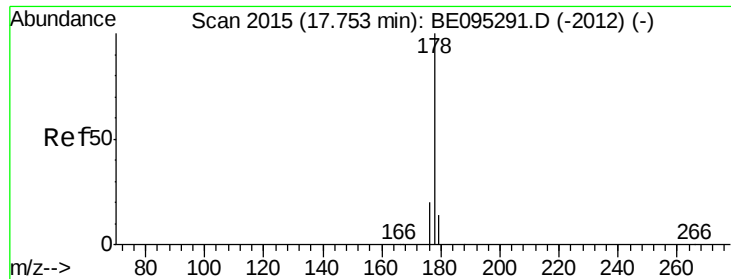
Acq: 31 Jan 2018 00:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 12936 |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 65.0  | 47.9  | 71.9  |
| 268      | 60.6  | 49.8  | 74.8  |



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





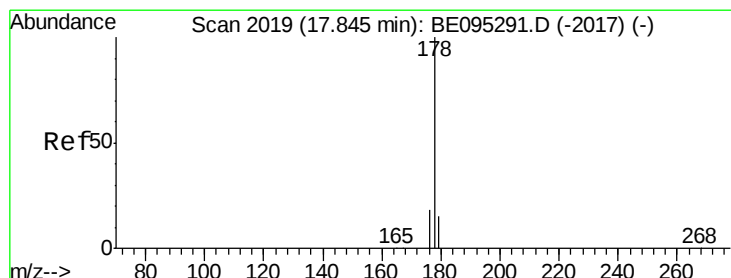
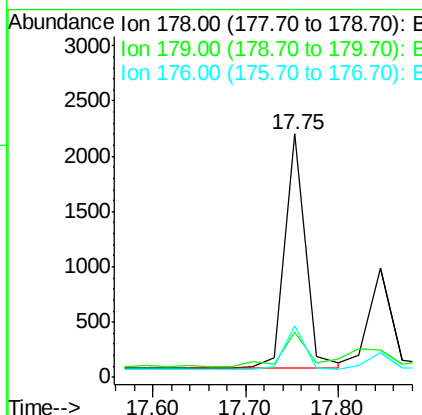
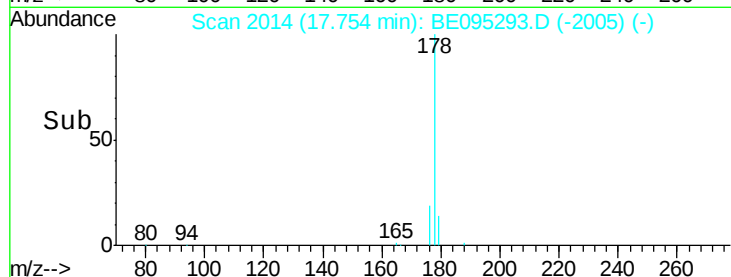
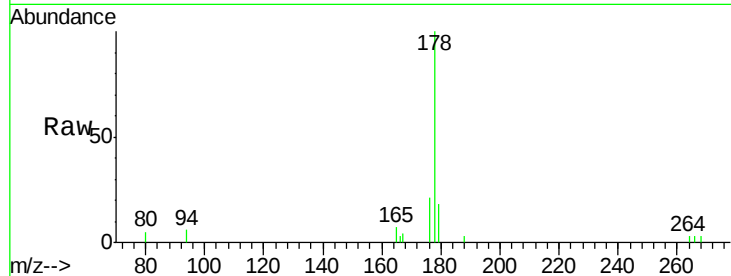
#12  
Phenanthrene  
Concen: 0.098 ng/ul  
RT: 17.75 min Scan# 2014  
Delta R.T. 0.00 min  
Lab File: BE095293.D  
Acq: 31 Jan 2018 00:42

Instrument :  
BNA\_E  
ClientSampled :  
F6A63DL

Tot Ion:178 Resp: 3292  
Ion Ratio Lower Upper  
178 100  
179 18.3 18.4 27.6#  
176 21.2 13.6 20.4#

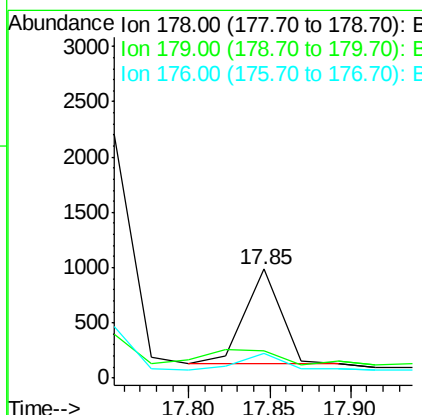
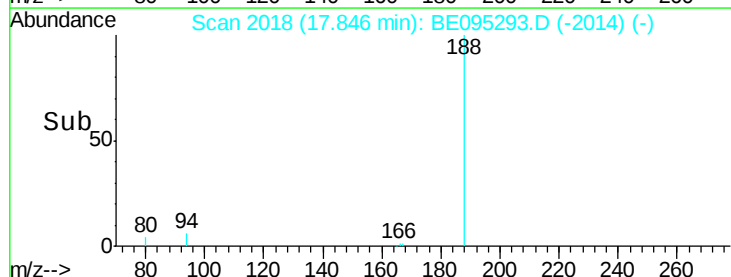
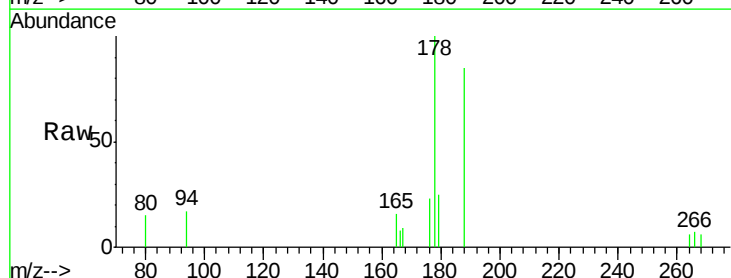
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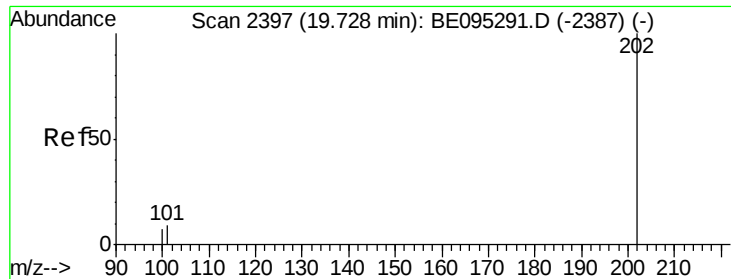
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#13  
Anthracene  
Concen: 0.043 ng/ul  
RT: 17.85 min Scan# 2018  
Delta R.T. 0.00 min  
Lab File: BE095293.D  
Acq: 31 Jan 2018 00:42

Tgt Ion:178 Resp: 1319  
Ion Ratio Lower Upper  
178 100  
179 24.7 18.1 27.1  
176 23.1 14.7 22.1#





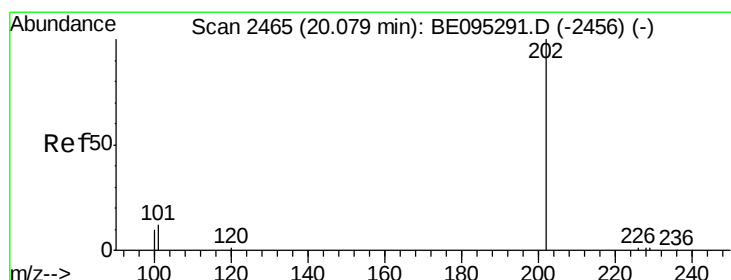
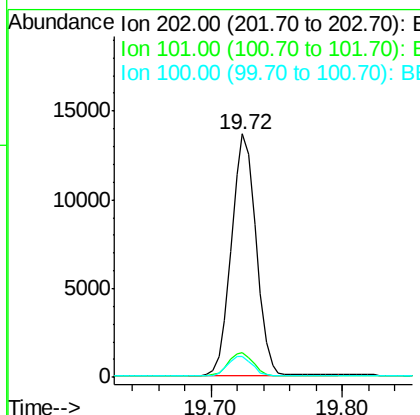
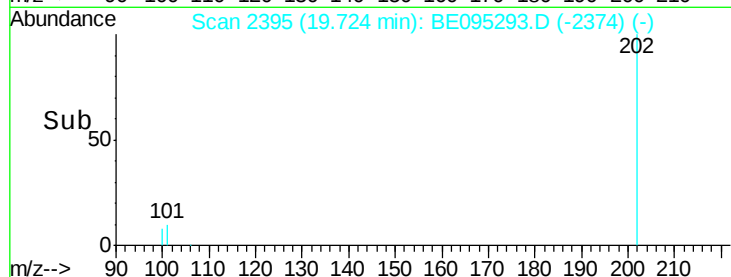
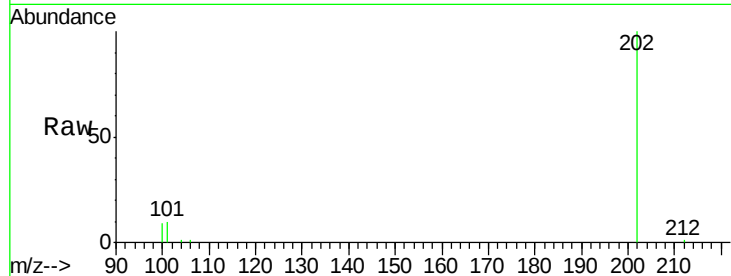
#15  
**Fluoranthene**  
 Concen: 0.410 ng/ul  
 RT: 19.72 min Scan# 2395  
 Delta R.T. -0.00 min  
 Lab File: BE095293.D  
 Acq: 31 Jan 2018 00:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6A63DL

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 17807 |       |       |
| 101     | 10.4  |       | 0.0   | 30.3  |
| 100     | 8.5   |       | 0.0   | 39.5  |

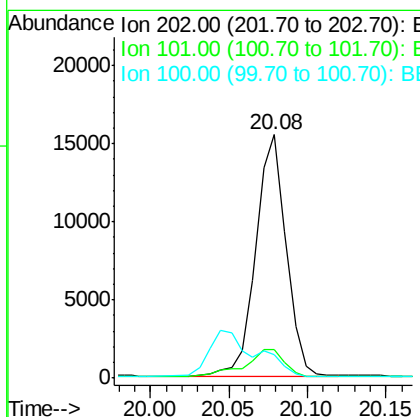
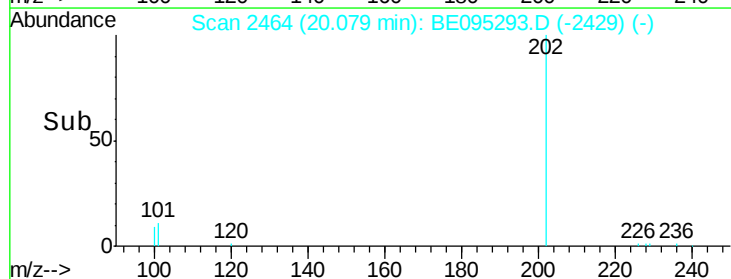
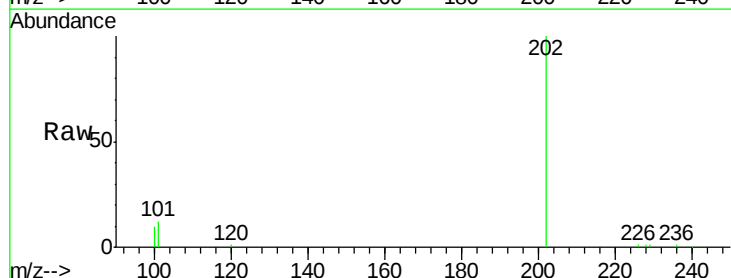
Manual Integrations  
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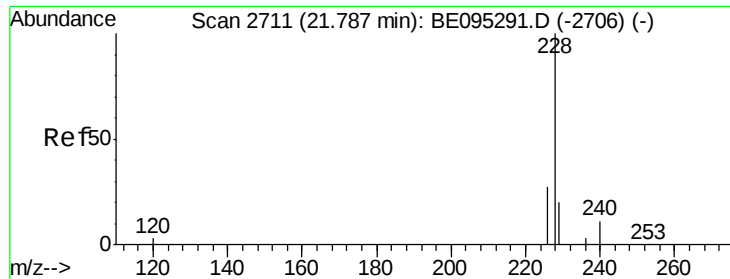
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#17  
**Pyrene**  
 Concen: 0.610 ng/ul  
 RT: 20.08 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: BE095293.D  
 Acq: 31 Jan 2018 00:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 20673 |       |       |
| 101     | 11.6  |       | 18.2  | 27.4# |
| 100     | 9.8   |       | 15.6  | 23.4# |





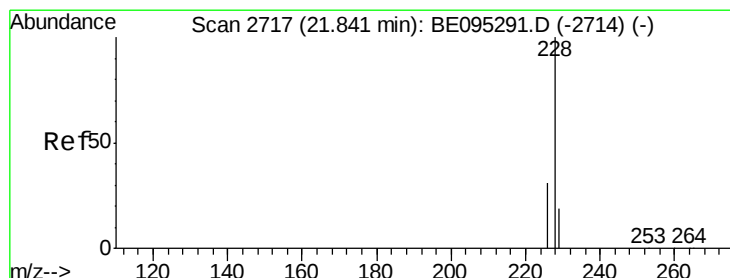
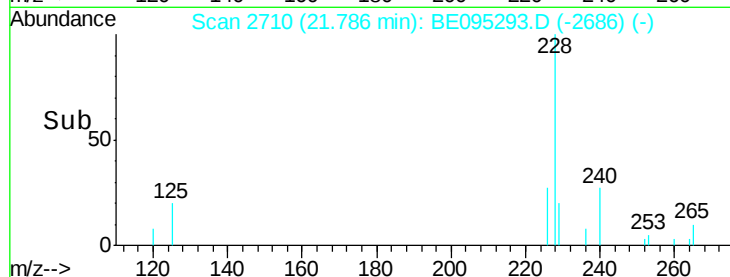
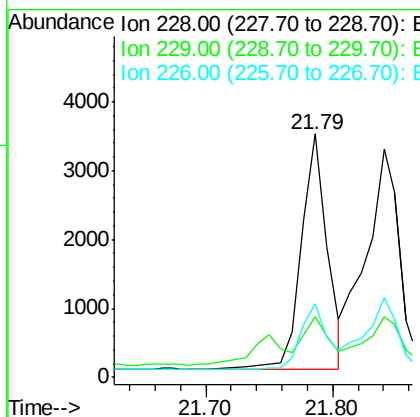
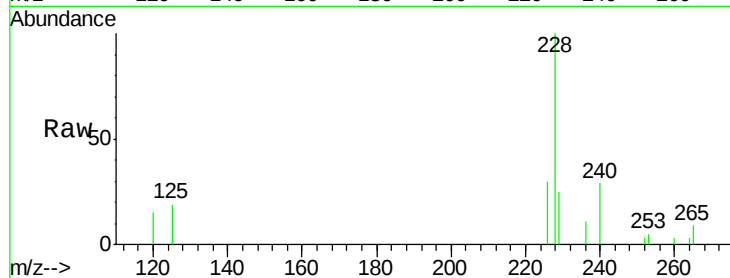
#18  
Benzo(a)anthracene  
Concen: 0.182 ng/ul  
RT: 21.79 min Scan# 2710  
Delta R.T. -0.00 min  
Lab File: BE095293.D  
Acq: 31 Jan 2018 00:42

Instrument :  
BNA\_E  
ClientSampleId :  
F6A63DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 25.1  | 22.8  | 34.2  |
| 226     | 29.9  | 17.0  | 25.6  |

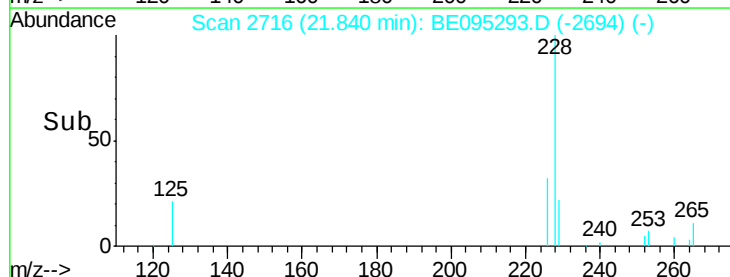
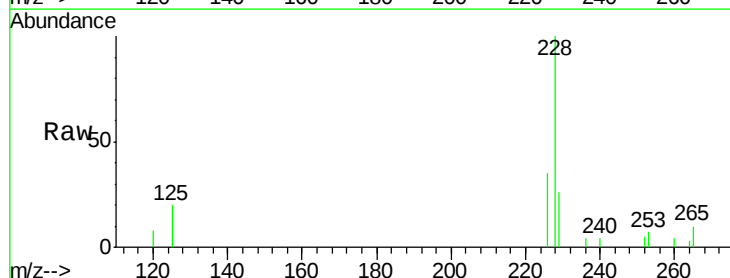
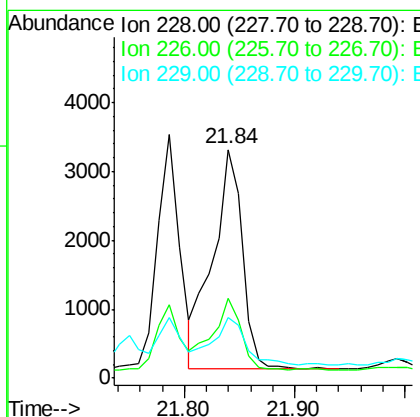
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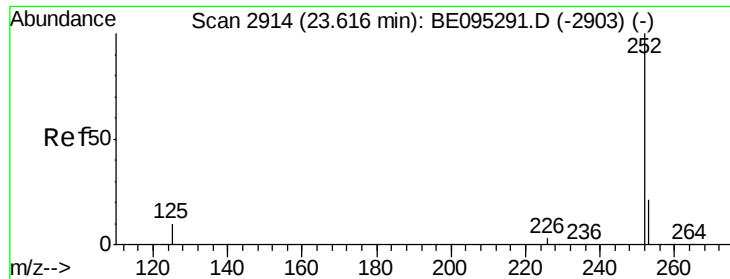
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#19  
Chrysene  
Concen: 0.184 ng/ul  
RT: 21.84 min Scan# 2716  
Delta R.T. -0.00 min  
Lab File: BE095293.D  
Acq: 31 Jan 2018 00:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.7  | 23.4  | 35.0  |
| 229     | 26.3  | 17.7  | 26.5  |





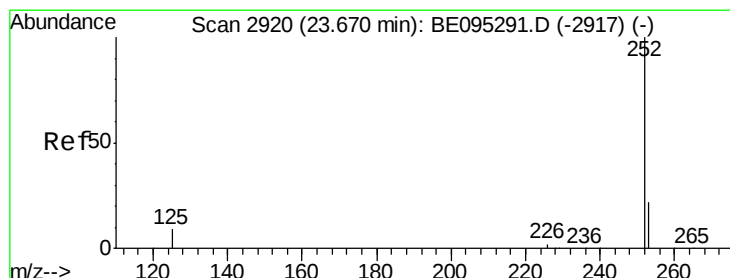
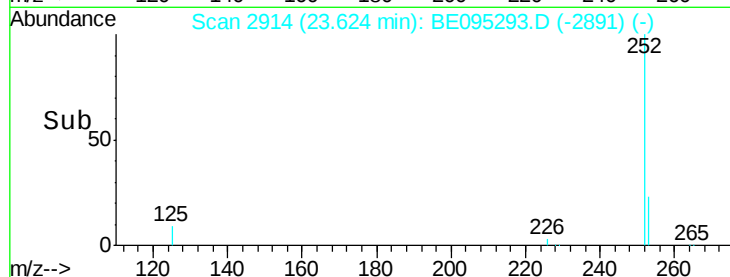
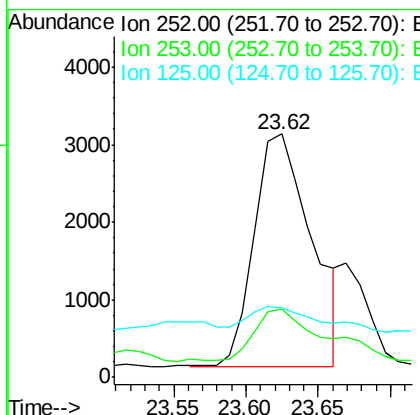
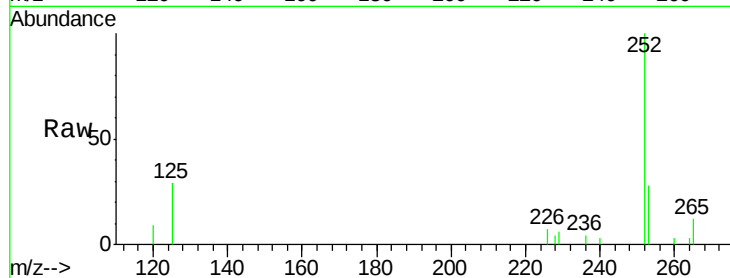
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Benzo(b)fluoranthene  
Concen: 0.230 ng/ul m  
RT: 23.62 min Scan# 2914  
Delta R.T. 0.01 min  
Lab File: BE095293.D  
Acq: 31 Jan 2018 00:42

Instrument :  
BNA\_E  
ClientSampleId :  
F6A63DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.0  | 0.0   | 64.2  |
| 125     | 28.7  | 0.0   | 35.0  |

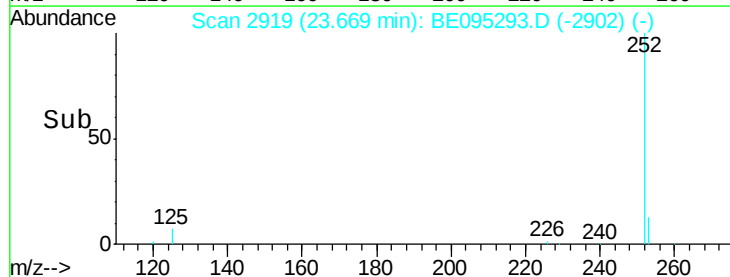
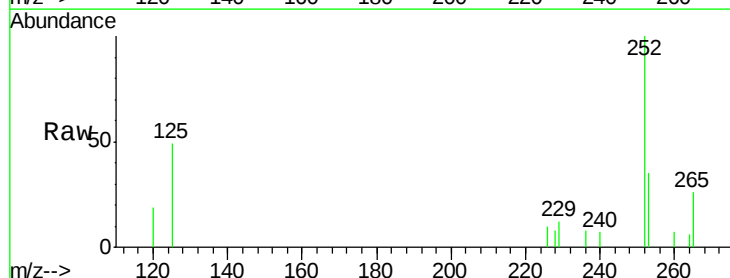
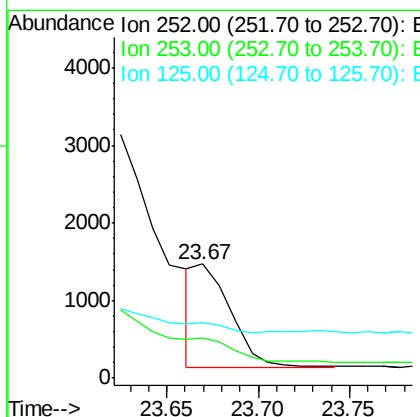
Manual Integrations  
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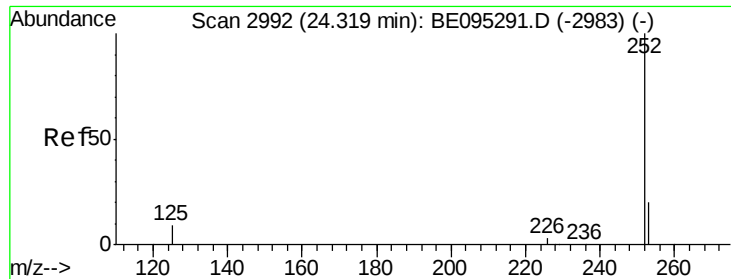
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#22  
Benzo(k)fluoranthene  
Concen: 0.054 ng/ul m  
RT: 23.67 min Scan# 2919  
Delta R.T. -0.00 min  
Lab File: BE095293.D  
Acq: 31 Jan 2018 00:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 35.0  | 24.5  | 36.7  |
| 125     | 48.5  | 13.7  | 20.5  |





#23

Benzo(a)pyrene

Concen: 0.067 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE095293.D

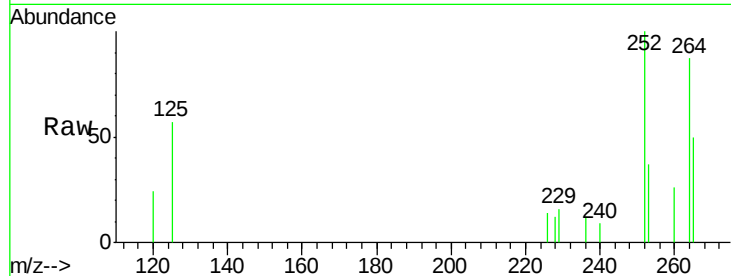
Acq: 31 Jan 2018 00:42

Instrument :

BNA\_E

ClientSampled :

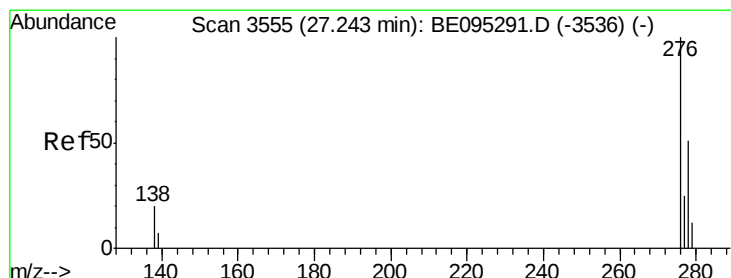
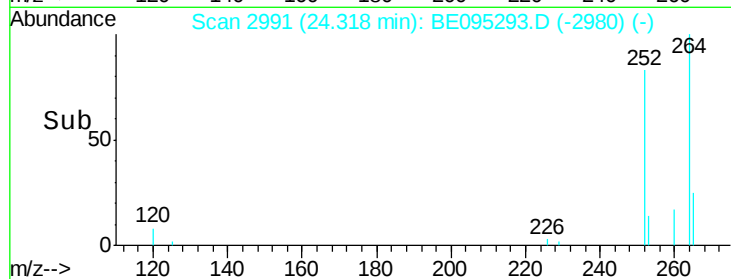
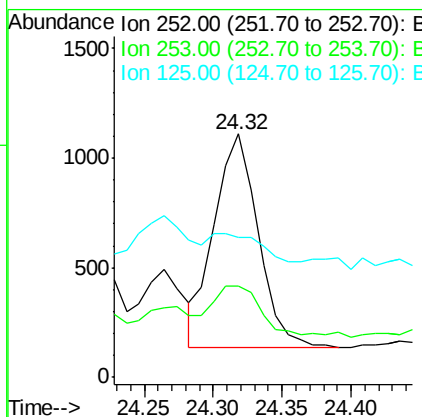
F6A63DL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 2147  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 37.4  | 28.5  | 42.7  |
| 125       | 57.2  | 18.1  | 27.1# |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.055 ng/ul

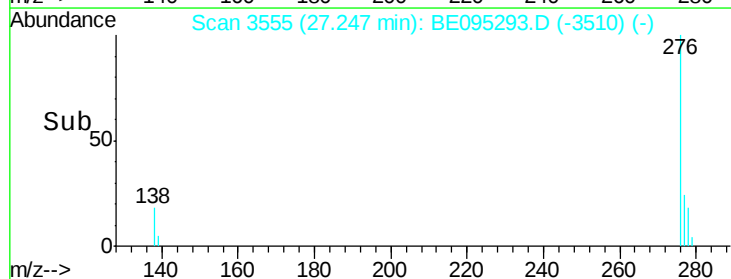
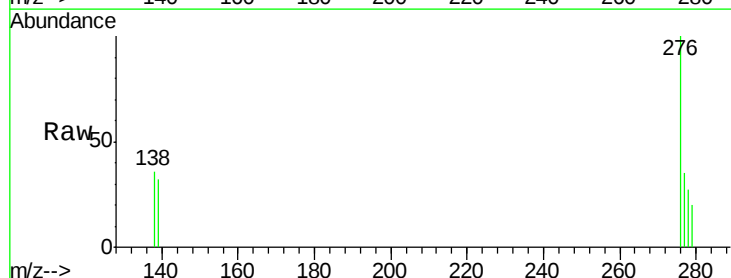
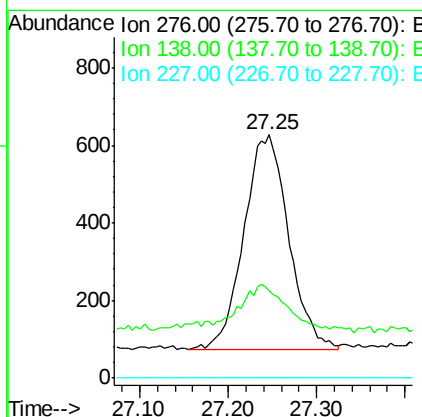
RT: 27.25 min Scan# 3555

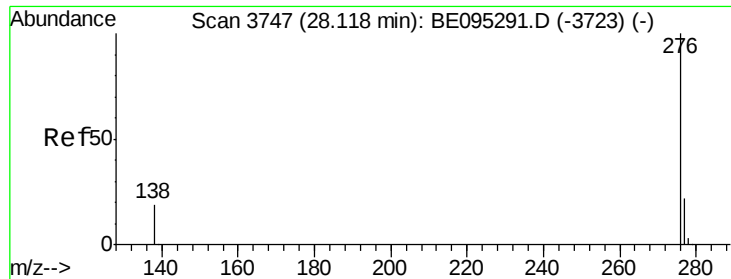
Delta R.T. 0.00 min

Lab File: BE095293.D

Acq: 31 Jan 2018 00:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 1937  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 24.7  | 28.0  | 42.0# |
| 227       | 0.0   | 8.0   | 12.0# |





#26  
 Benzo(a,h,i)perylene  
 Concen: 0.055 ng/ul  
 RT: 28.12 min Scan# 3747  
 Delta R.T. 0.00 min  
 Lab File: BE095293.D  
 Acq: 31 Jan 2018 00:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6A63DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 37.5  | 21.8  | 32.8# |
| 277     | 35.6  | 20.5  | 30.7# |

Manual Integrations  
 APPROVED

Sohil  
 1/31/2018 8:28:23 PM

