

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\  
 Data File : BE095873.D  
 Acq On : 28 Mar 2018 12:59  
 Operator : SJ/JU  
 Sample : J2060-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AT3

Manual Integrations  
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Quant Time: Mar 29 11:28:41 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 16:31:37 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.42  | 152  | 1650     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.24 | 136  | 4428     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.00 | 164  | 2945     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.70 | 188  | 7089m    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.79 | 240  | 7643m    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.41 | 264  | 6943m    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.80 | 152  | 2622     | 0.35   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.68 | 212  | 8536m    | 0.38   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.75 | 178  | 1226m    | 0.058  | ng/ul  |          |
| 15) Fluoranthene            | 19.71 | 202  | 1392m    | 0.054  | ng/ul  |          |
| 17) Pyrene                  | 20.06 | 202  | 1187m    | 0.041  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.77 | 228  | 976      | 0.040  | ng/ul# | 74       |
| 19) Chrysene                | 21.83 | 228  | 667      | 0.027  | ng/ul# | 69       |

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

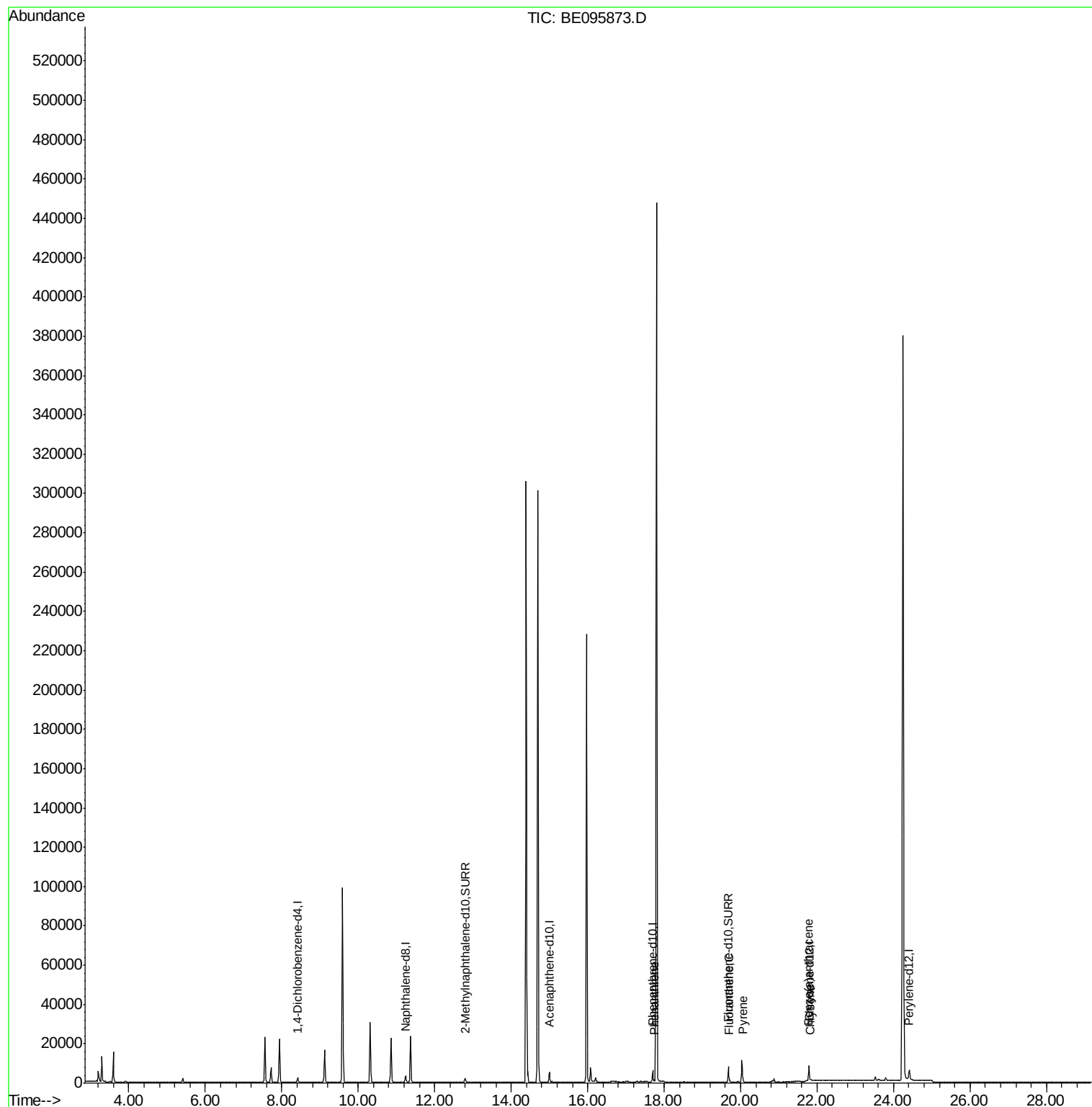
Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\  
Data File : BE095873.D  
Acq On : 28 Mar 2018 12:59  
Operator : SJ/JU  
Sample : J2060-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

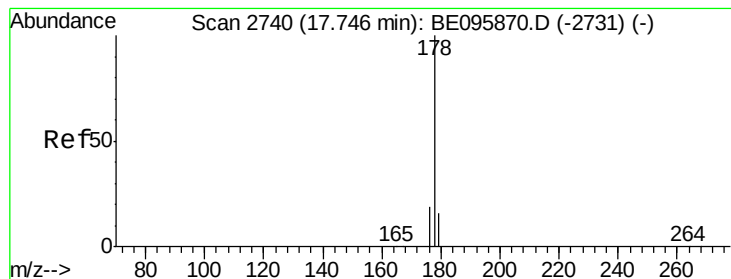
Instrument :  
BNA\_E  
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3/29/2018 5:17:34 PM

Quant Time: Mar 29 11:28:41 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 28 16:31:37 2018  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.058 ng/ul m

RT: 17.75 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BE095873.D

Acq: 28 Mar 2018 12:59

Instrument :

BNA\_E

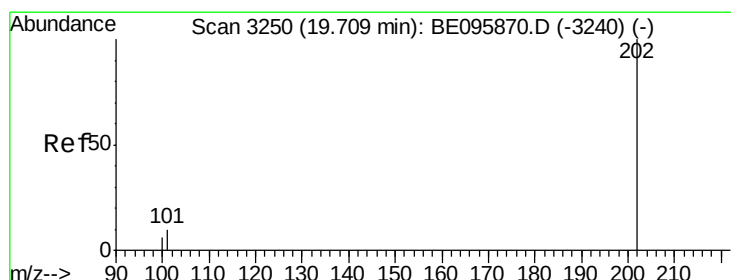
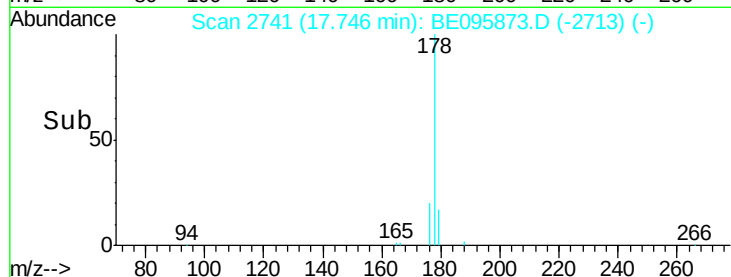
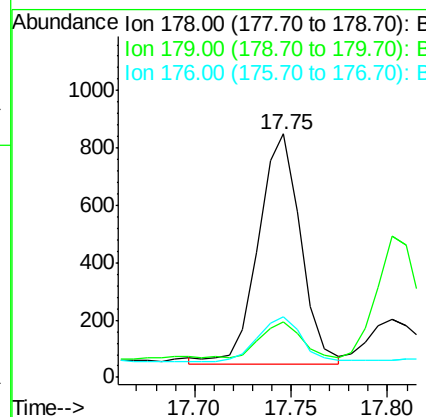
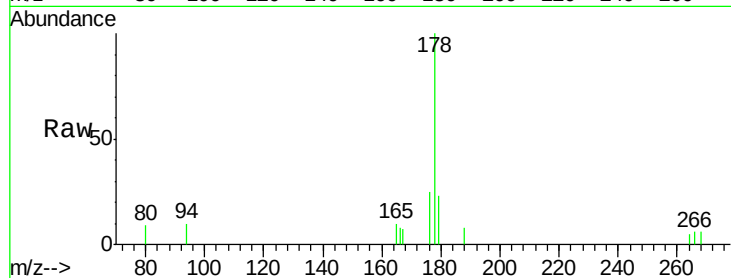
ClientSampled :

C0AT3

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 1226  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 22.9  | 18.4  | 27.6  |
| 176      | 24.7  | 13.6  | 20.4# |

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#15

Fluoranthene

Concen: 0.054 ng/ul m

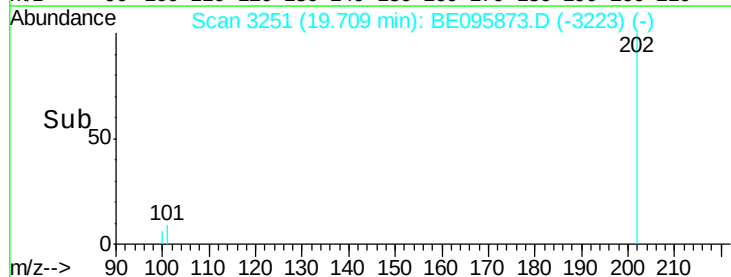
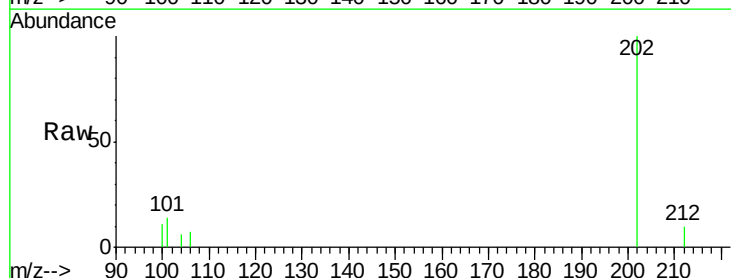
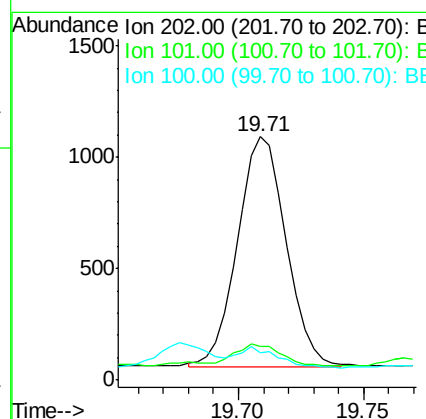
RT: 19.71 min Scan# 3251

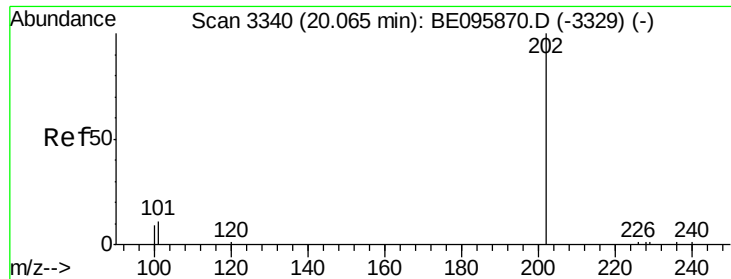
Delta R.T. -0.00 min

Lab File: BE095873.D

Acq: 28 Mar 2018 12:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 1392  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 13.6  | 0.0   | 30.3  |
| 100      | 11.4  | 0.0   | 39.5  |





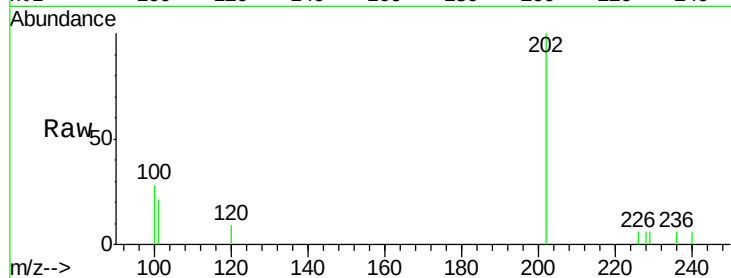
#17  
 Pyrene  
 Concen: 0.041 ng/ul m  
 RT: 20.06 min Scan# 3341  
 Delta R.T. -0.00 min  
 Lab File: BE095873.D  
 Acq: 28 Mar 2018 12:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AT3

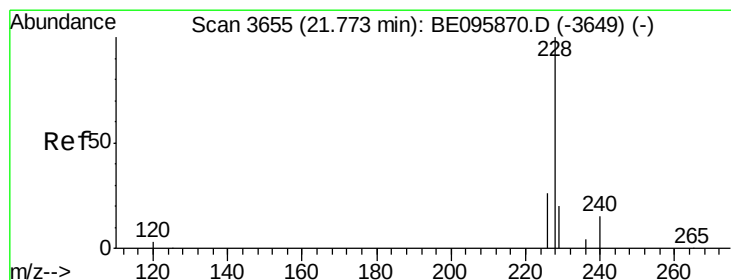
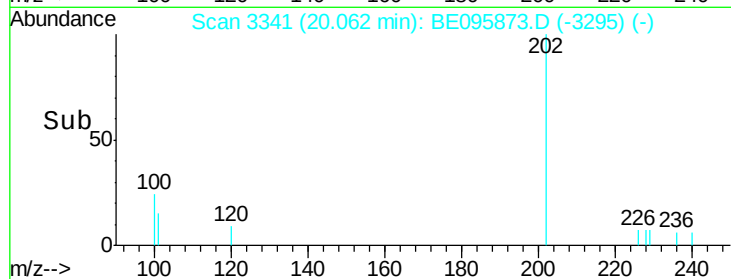
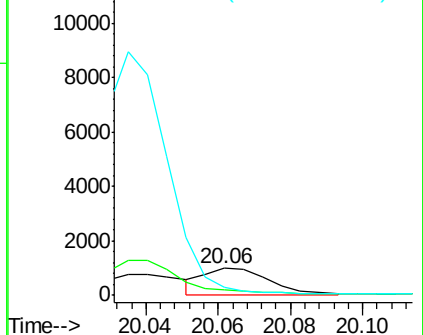
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 20.5  | 18.2  | 27.4  |
| 100     | 28.4  | 15.6  | 23.4  |

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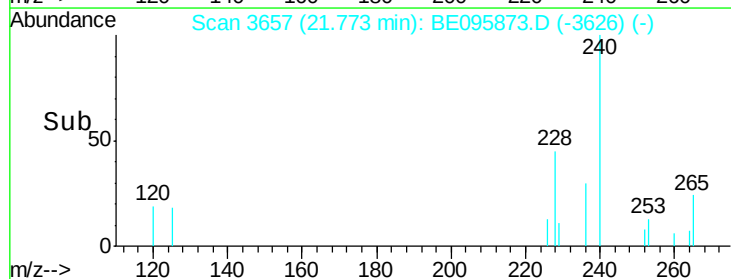
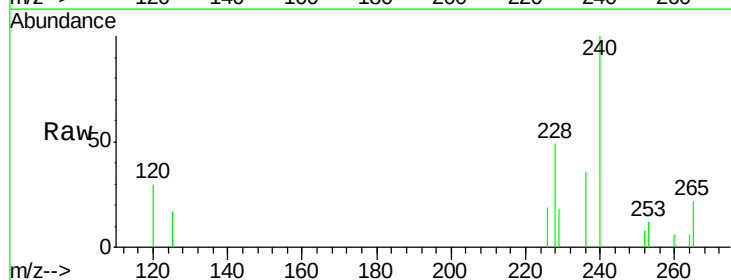
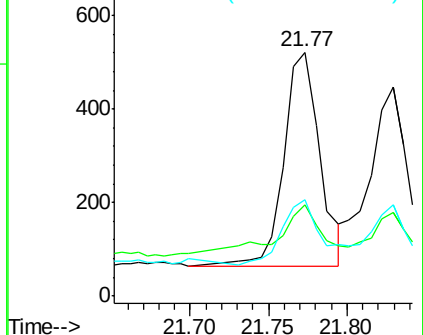
Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): E

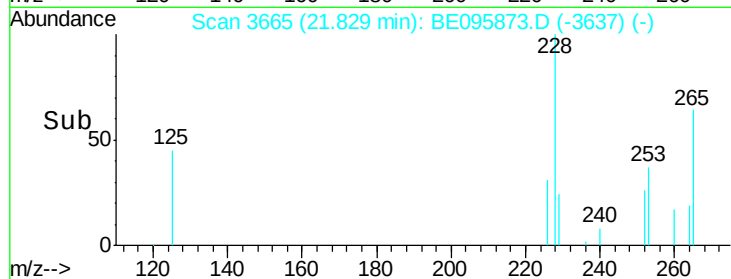
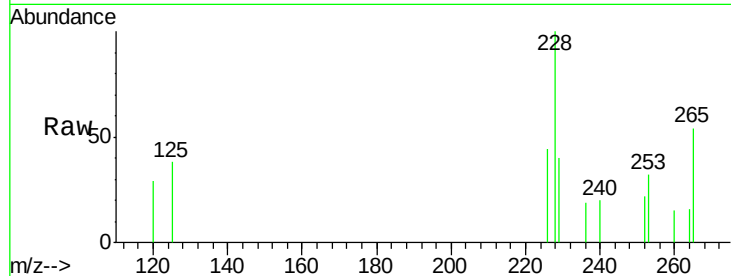
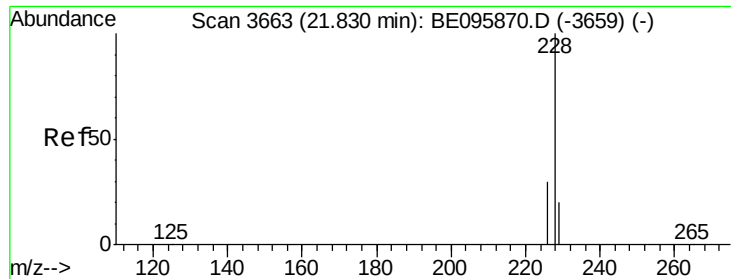


#18  
 Benzo(a)anthracene  
 Concen: 0.040 ng/ul  
 RT: 21.77 min Scan# 3657  
 Delta R.T. -0.00 min  
 Lab File: BE095873.D  
 Acq: 28 Mar 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 37.4  | 22.8  | 34.2  |
| 226     | 39.7  | 17.0  | 25.6  |

Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 229.00 (228.70 to 229.70): E  
 Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.027 ng/ul

RT: 21.83 min Scan# 3665

Delta R.T. -0.00 min

Lab File: BE095873.D

Acq: 28 Mar 2018 12:59

Instrument :

BNA\_E

ClientSampleId :

C0AT3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 667   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 43.6  | 23.4  | 35.0# |
| 229       | 39.8  | 17.7  | 26.5# |

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