

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013118\  
 Data File : BE095333.D  
 Acq On : 1 Feb 2018 00:43  
 Operator : SJ/JU  
 Sample : J1245-15  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6B76

Manual Integrations  
 APPROVED

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 2/1/2018 5:58:49 PM

Quant Time: Feb 01 05:43:04 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 01 04:05:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.44  | 152  | 2246     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.26 | 136  | 6791     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.02 | 164  | 4402     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.71 | 188  | 9021m    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.80 | 240  | 8768     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.44 | 264  | 8252m    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.81 | 152  | 4152     | 0.38   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.70 | 212  | 10638    | 0.31   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 11.31 | 128  | 2986     | 0.157  | ng/ul# | 90       |
| 5) 2-Methylnaphthalene      | 12.89 | 142  | 4594     | 0.362  | ng/ul  | 99       |
| 8) Acenaphthene             | 15.08 | 153  | 587      | 0.036  | ng/ul# | 86       |
| 9) Fluorene                 | 16.03 | 166  | 991m     | 0.058  | ng/ul  |          |
| 11) Pentachlorophenol       | 17.36 | 266  | 6123     | 3.504  | ng/ul  | 96       |
| 12) Phenanthrene            | 17.75 | 178  | 1586     | 0.052  | ng/ul# | 91       |
| 15) Fluoranthene            | 19.72 | 202  | 861      | 0.022  | ng/ul  | 86       |
| 17) Pyrene                  | 20.08 | 202  | 683m     | 0.023  | ng/ul  |          |

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

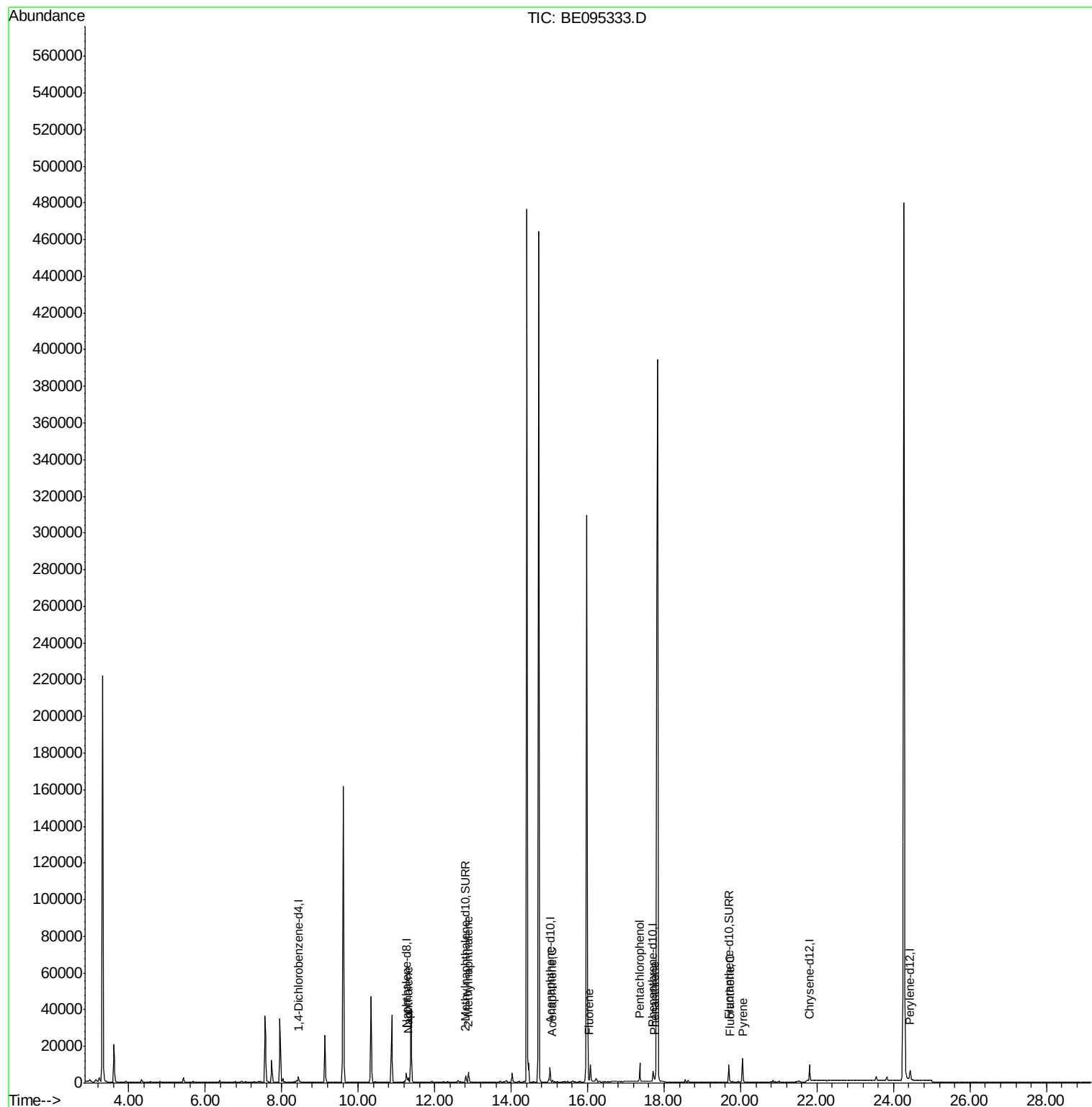
Data Path : Z:\HPCHEM1\BNA E\DATA\BE013118\  
Data File : BE095333.D  
Acq On : 1 Feb 2018 00:43  
Operator : SJ/JU  
Sample : J1245-15  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

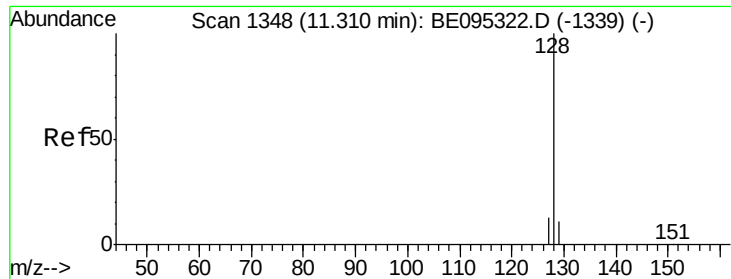
Instrument :  
BNA\_E  
ClientSampleId :  
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QLast Update : Thu Feb 01 04:05:22 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.157 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095333.D

Acq: 1 Feb 2018 00:43

Instrument :

BNA\_E

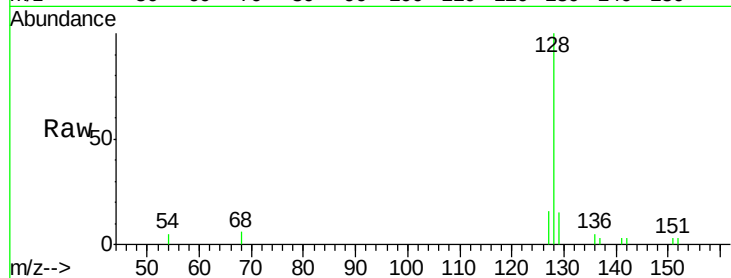
ClientSampleId :

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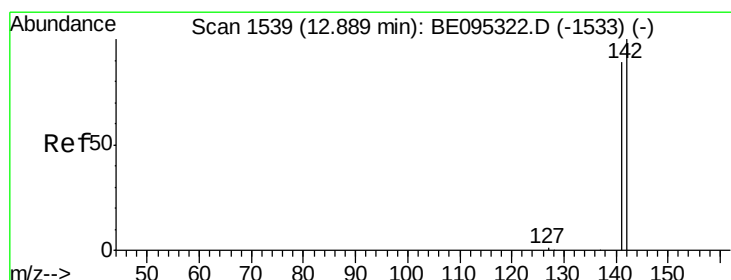
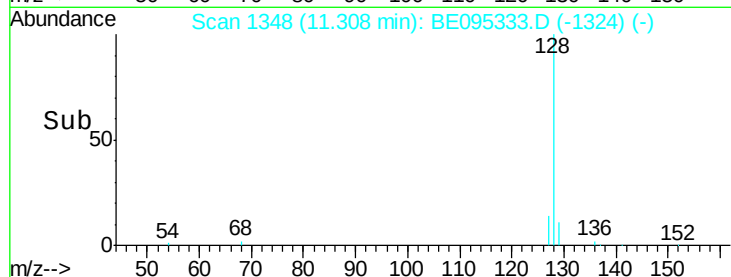
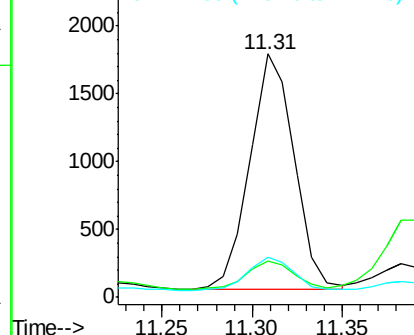
|             |       |       |
|-------------|-------|-------|
| Tot Ion:128 | Resp: | 2986  |
| Ion Ratio   | Lower | Upper |
| 128 100     |       |       |
| 129 14.7    | 11.3  | 16.9  |
| 127 16.3    | 4.0   | 6.0#  |

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.362 ng/ul

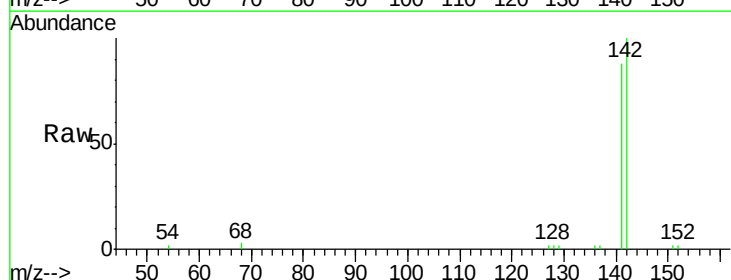
RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

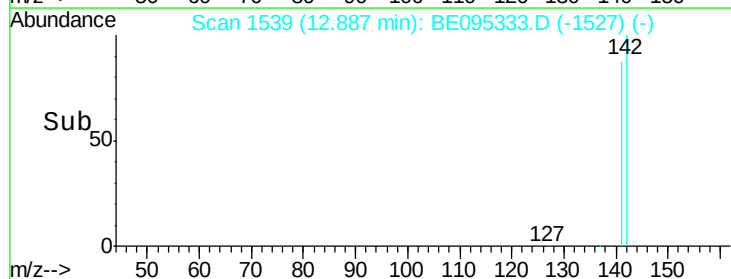
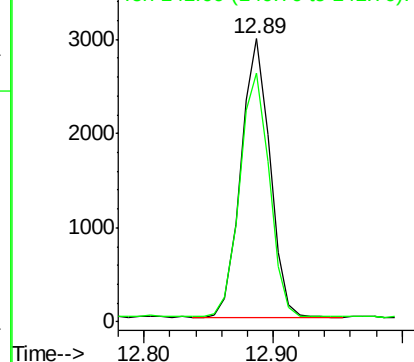
Lab File: BE095333.D

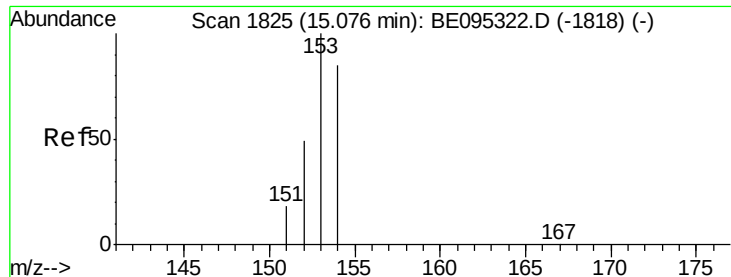
Acq: 1 Feb 2018 00:43

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:142 | Resp: | 4594  |
| Ion Ratio   | Lower | Upper |
| 142 100     |       |       |
| 141 89.5    | 72.6  | 108.8 |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.036 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095333.D

Acq: 1 Feb 2018 00:43

Instrument :

BNA\_E

ClientSampled :

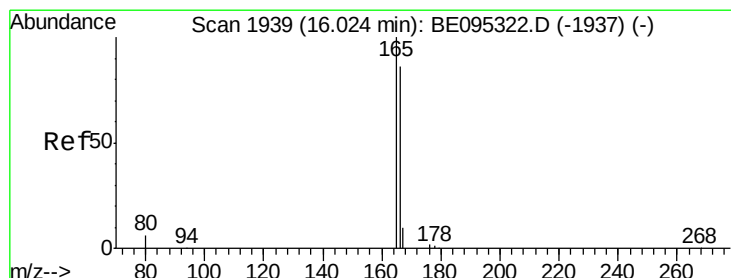
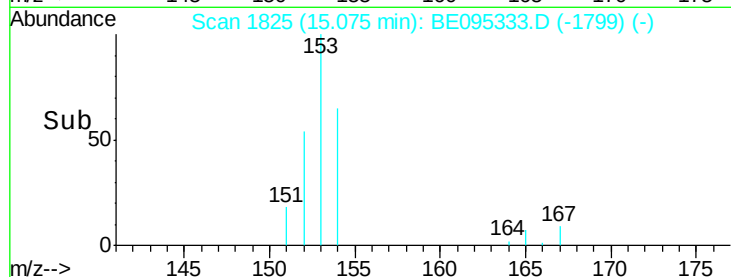
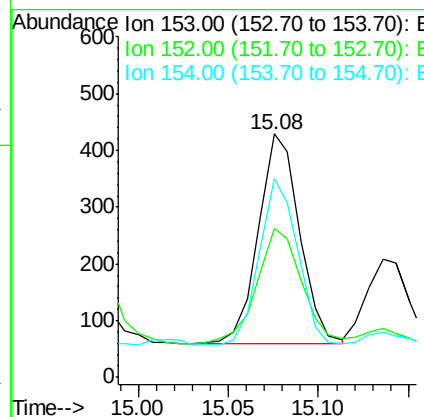
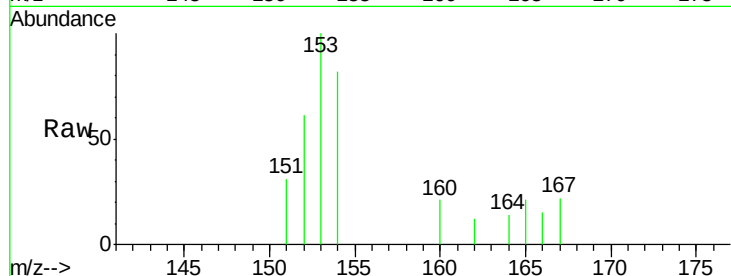
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Tot Ion:153 Resp: 587

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 61.1  | 36.0  | 54.0# |
| 154 | 81.8  | 72.0  | 108.0 |

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#9

Fluorene

Concen: 0.058 ng/ul m

RT: 16.03 min Scan# 1939

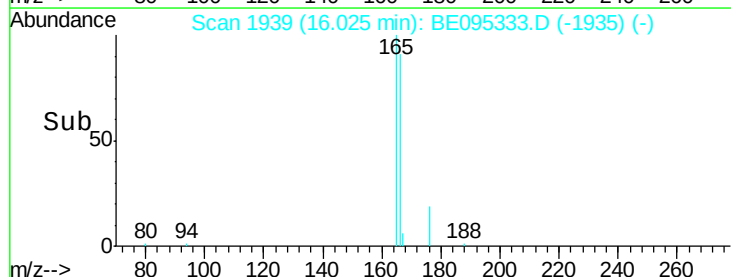
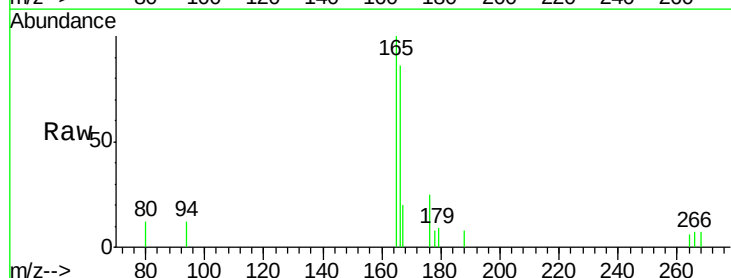
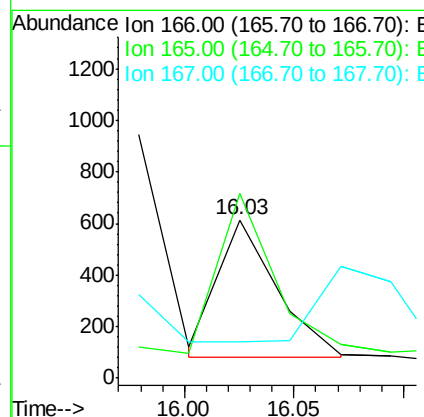
Delta R.T. 0.00 min

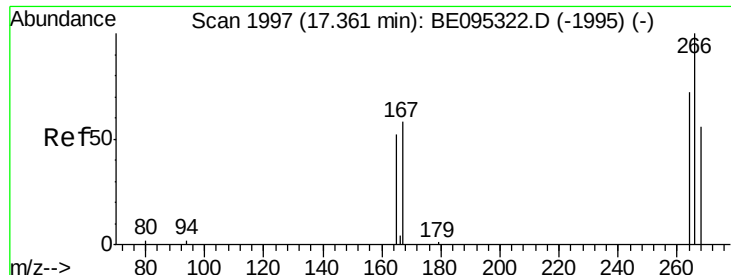
Lab File: BE095333.D

Acq: 1 Feb 2018 00:43

Tgt Ion:166 Resp: 991

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 166 | 100   |       |        |
| 165 | 116.8 | 73.4  | 110.2# |
| 167 | 23.0  | 14.6  | 22.0#  |





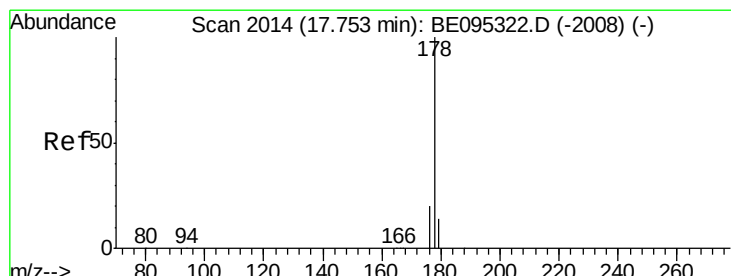
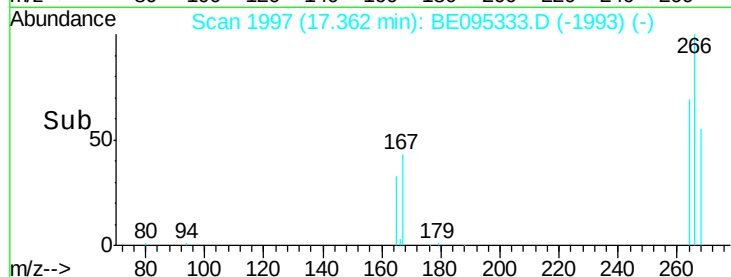
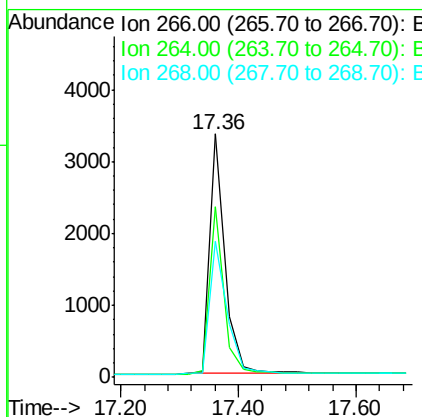
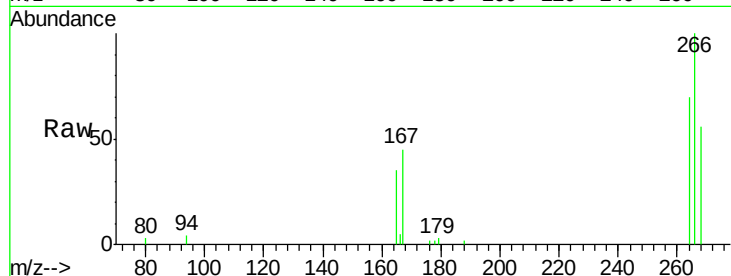
#11  
 Pentachlorophenol  
 Concen: 3.504 ng/ul  
 RT: 17.36 min Scan# 1997  
 Delta R.T. 0.00 min  
 Lab File: BE095333.D  
 Acq: 1 Feb 2018 00:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F6B76

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 65.1  | 47.9  | 71.9  |
| 268     | 61.5  | 49.8  | 74.8  |

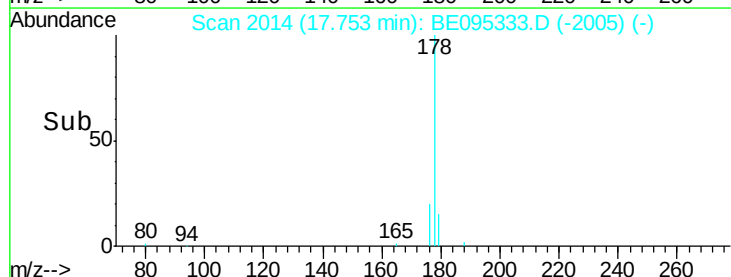
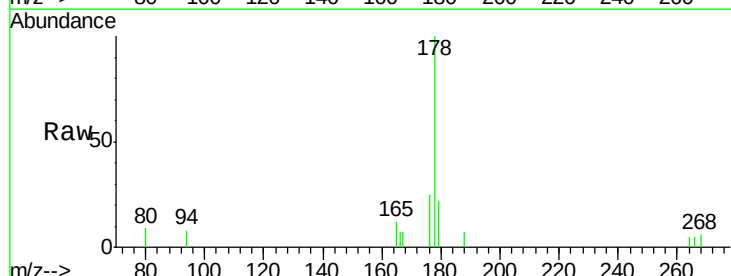
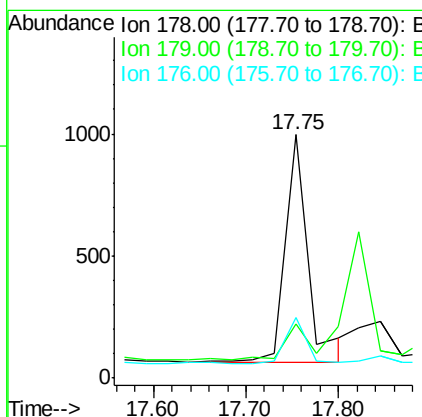
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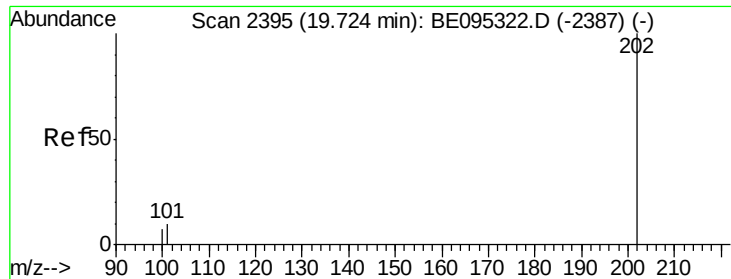
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#12  
 Phenanthrene  
 Concen: 0.052 ng/ul  
 RT: 17.75 min Scan# 2014  
 Delta R.T. 0.00 min  
 Lab File: BE095333.D  
 Acq: 1 Feb 2018 00:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 22.1  | 18.4  | 27.6  |
| 176     | 24.8  | 13.6  | 20.4  |





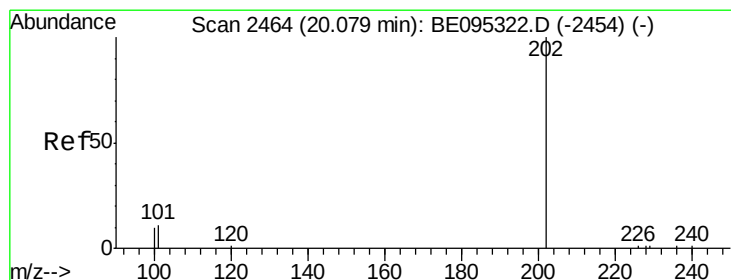
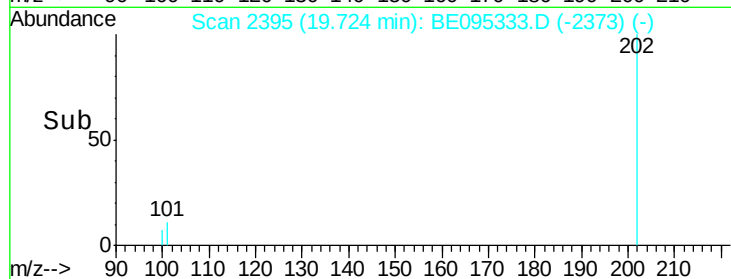
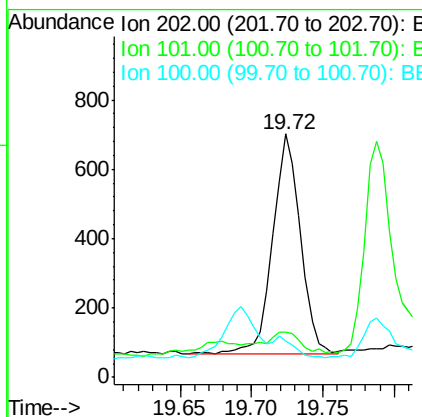
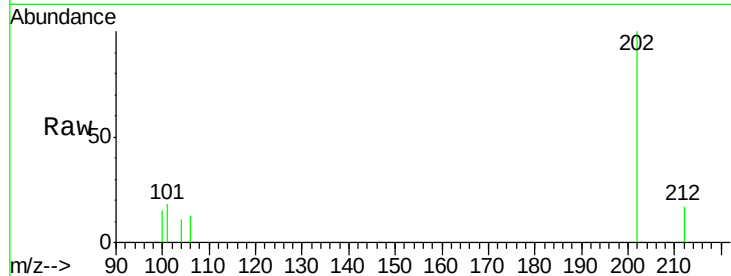
#15  
Fluoranthene  
Concen: 0.022 ng/ul  
RT: 19.72 min Scan# 2395  
Delta R.T. 0.00 min  
Lab File: BE095333.D  
Acq: 1 Feb 2018 00:43

Instrument :  
BNA\_E  
ClientSampleId :  
F6B76

|             |       |       |
|-------------|-------|-------|
| Tot Ion:202 | Resp: | 861   |
| Ion Ratio   | Lower | Upper |
| 202 100     |       |       |
| 101 18.4    | 0.0   | 30.3  |
| 100 15.1    | 0.0   | 39.5  |

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#17  
Pyrene  
Concen: 0.023 ng/ul m  
RT: 20.08 min Scan# 2465  
Delta R.T. 0.00 min  
Lab File: BE095333.D  
Acq: 1 Feb 2018 00:43

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:202 | Resp: | 683   |
| Ion Ratio   | Lower | Upper |
| 202 100     |       |       |
| 101 21.8    | 18.2  | 27.4  |
| 100 25.1    | 15.6  | 23.4# |

