

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\  
 Data File : BE091156.D  
 Acq On : 14 Nov 2015 00:23  
 Operator : UM/NP  
 Sample : G4342-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 D9KP1

Manual Integrations  
 APPROVED

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 11/16/2015 3:24:25 PM

Quant Time: Nov 16 10:53:08 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 14 04:34:12 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 4022     | 0.40   | ng/ul  | -0.07    |
| 4) Naphthalene-d8           | 9.57  | 136  | 20572    | 0.40   | ng/ul  | -0.05    |
| 8) Acenaphthene-d10         | 13.38 | 164  | 13266    | 0.40   | ng/ul  | -0.02    |
| 12) Phenanthrene-d10        | 16.10 | 188  | 32215m   | 0.40   | ng/ul  | -0.01    |
| 18) Chrysene-d12            | 20.24 | 240  | 47932    | 0.40   | ng/ul  | 0.00     |
| 22) Perylene-d12            | 22.13 | 264  | 40456m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 2) 1,4-Dioxane-d8           | 3.08  | 96   | 19887    | 6.87   | ng/uL  | -0.07    |
| 6) 2-Methylnaphthalene-d10  | 11.09 | 152  | 6106     | 0.22   | ng/ul  | -0.03    |
| 16) Fluoranthene-d10        | 18.09 | 212  | 19753    | 0.22   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 14) Phenanthrene            | 16.14 | 178  | 27278m   | 0.07   | ng/ul  |          |
| 17) Fluoranthene            | 18.11 | 202  | 78595    | 0.18   | ng/ul  | 89       |
| 19) Pyrene                  | 18.49 | 202  | 88661    | 0.16   | ng/ul# | 76       |
| 20) Benzo(a)anthracene      | 20.21 | 228  | 6299     | 0.05   | ng/ul# | 94       |
| 21) Chrysene                | 20.27 | 228  | 13905    | 0.10   | ng/ul# | 96       |
| 23) Benzo(b)fluoranthene    | 21.57 | 252  | 13656    | 0.11   | ng/ul  | 73       |
| 24) Benzo(k)fluoranthene    | 21.60 | 252  | 9503     | 0.07   | ng/ul# | 67       |
| 25) Benzo(a)pyrene          | 22.03 | 252  | 9882     | 0.08   | ng/ul# | 67       |
| 26) Indeno(1,2,3-cd)pyrene  | 23.74 | 276  | 30977    | 0.06   | ng/ul# | 88       |
| 28) Benzo(g,h,i)perylene    | 24.30 | 276  | 35545    | 0.07   | ng/ul# | 88       |

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

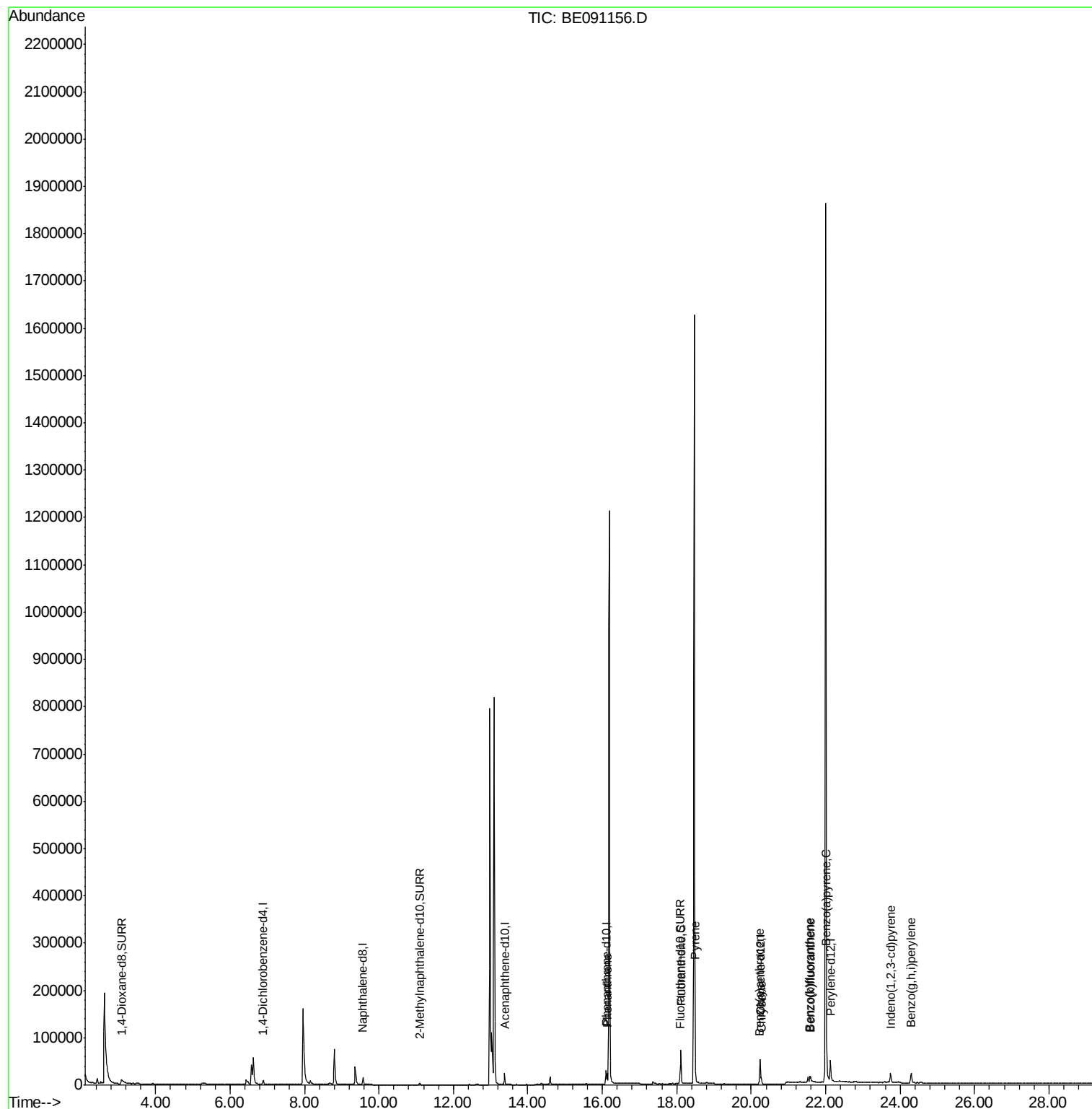
Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\  
Data File : BE091156.D  
Acq On : 14 Nov 2015 00:23  
Operator : UM/NP  
Sample : G4342-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

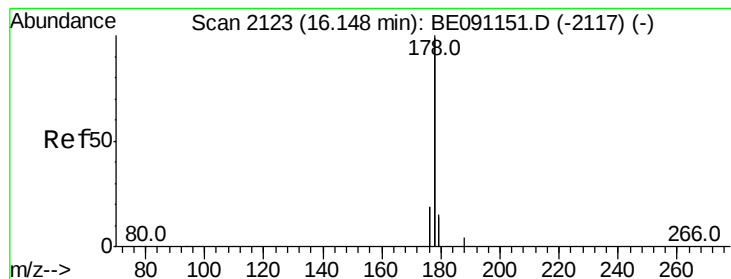
Instrument :  
BNA\_E  
ClientSampleId :  
D9KP1

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Quant Time: Nov 16 10:53:08 2015  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Nov 14 04:34:12 2015  
Response via : Initial Calibration





#14

Phenanthrene

Concen: 0.07 ng/ul m

RT: 16.14 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE091156.D

Acq: 14 Nov 2015 00:23

Instrument :

BNA\_E

ClientSampleId :

D9KP1

Tot Ion:178 Resp: 27278

Ion Ratio Lower Upper

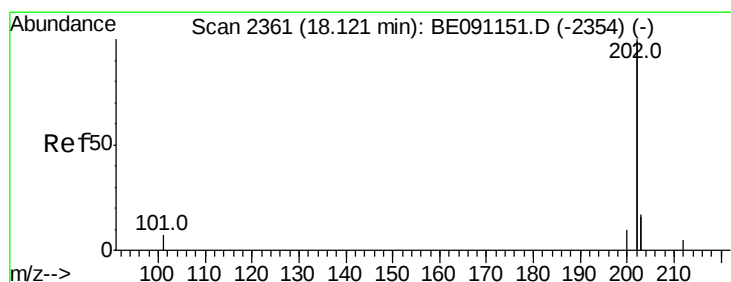
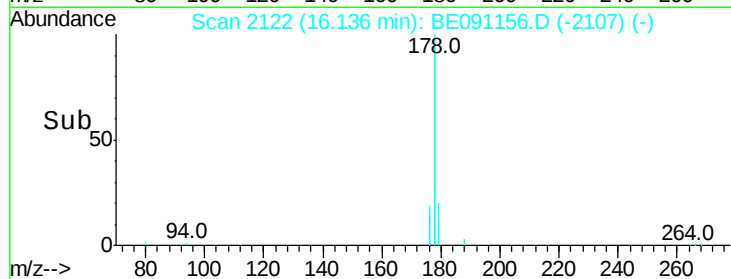
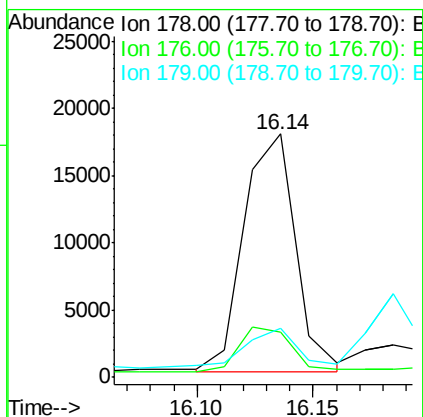
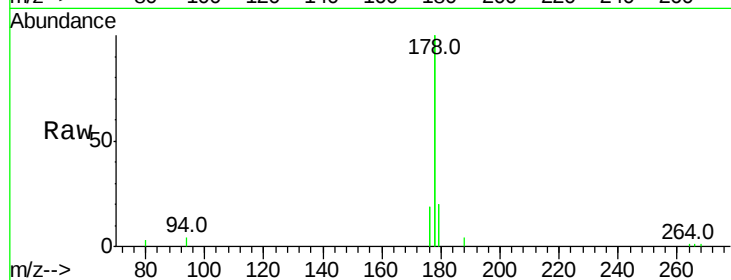
178 100

176 18.5 16.2 24.4

179 20.1 12.8 19.2#

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#17

Fluoranthene

Concen: 0.18 ng/ul

RT: 18.11 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BE091156.D

Acq: 14 Nov 2015 00:23

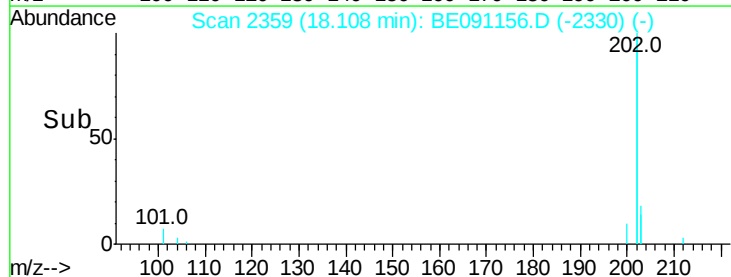
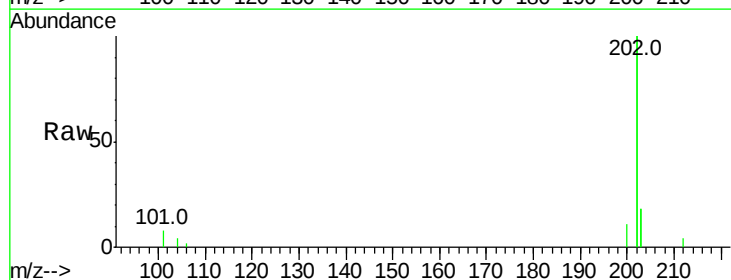
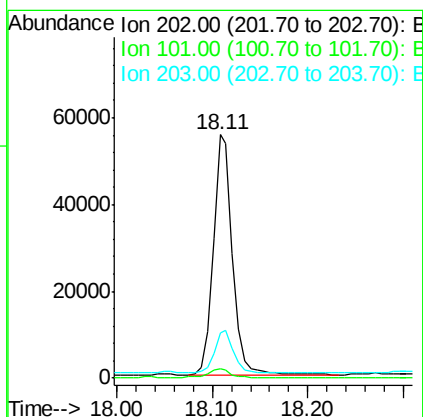
Tgt Ion:202 Resp: 78595

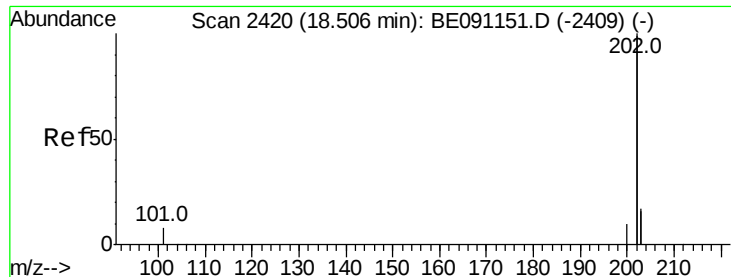
Ion Ratio Lower Upper

202 100

101 4.0 0.0 33.1

203 18.4 0.0 37.2





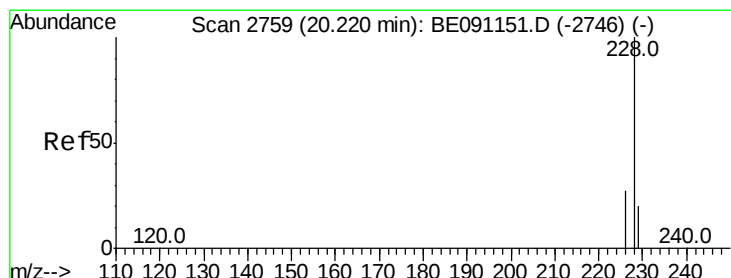
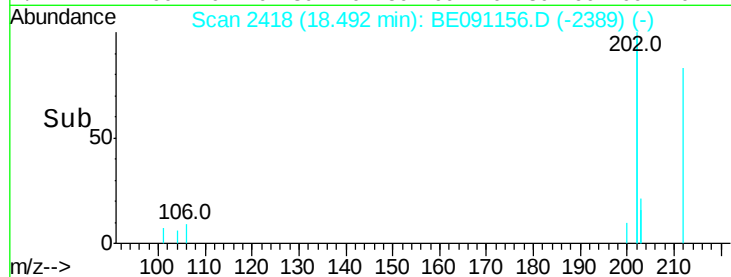
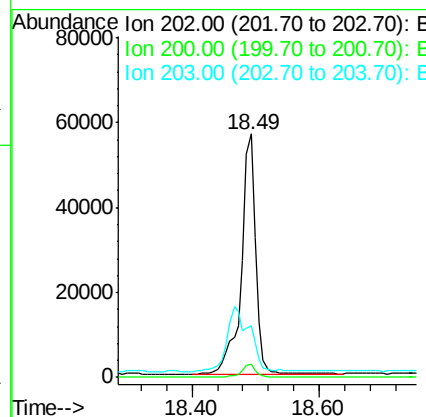
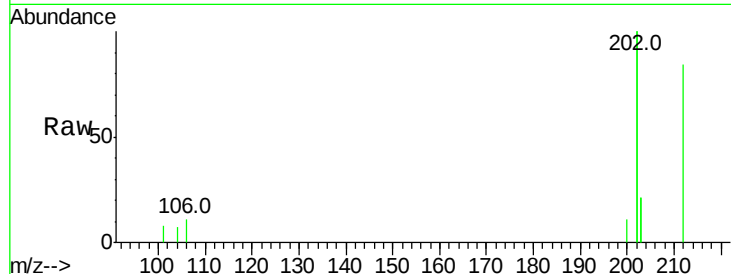
#19  
Pvrene  
Concen: 0.16 ng/ul  
RT: 18.49 min Scan# 2418  
Delta R.T. -0.01 min  
Lab File: BE091156.D  
Acq: 14 Nov 2015 00:23

Instrument :  
BNA\_E  
ClientSampleId :  
D9KP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 5.3   | 18.0  | 27.0# |
| 203     | 21.3  | 13.8  | 20.6# |

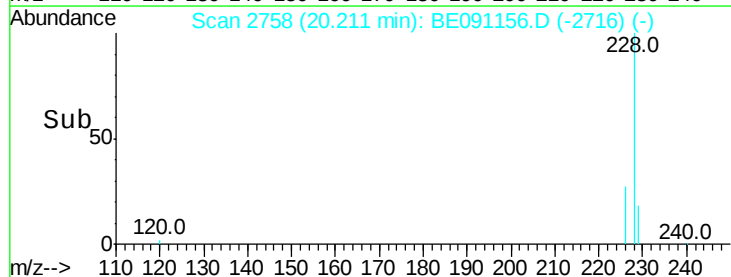
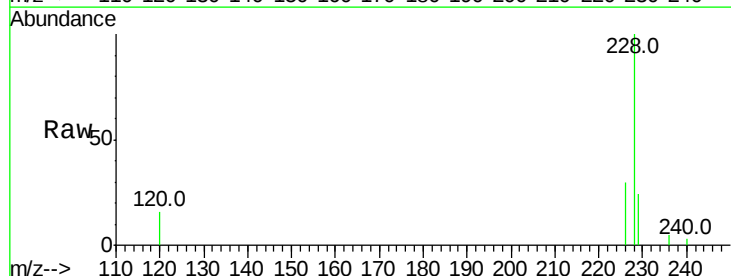
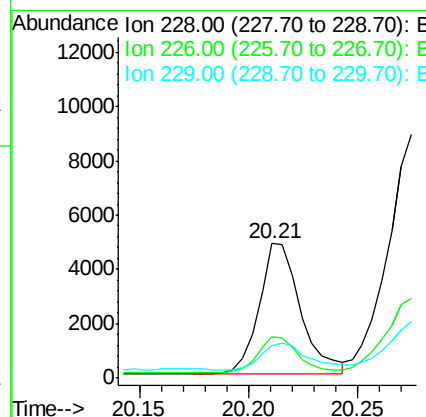
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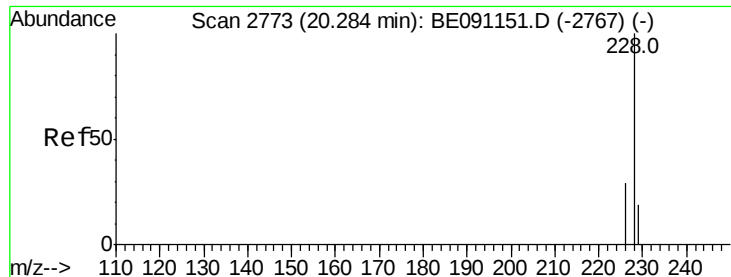
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#20  
Benzo(a)anthracene  
Concen: 0.05 ng/ul  
RT: 20.21 min Scan# 2758  
Delta R.T. -0.01 min  
Lab File: BE091156.D  
Acq: 14 Nov 2015 00:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.4  | 23.0  | 34.4  |
| 229     | 23.9  | 15.2  | 22.8# |





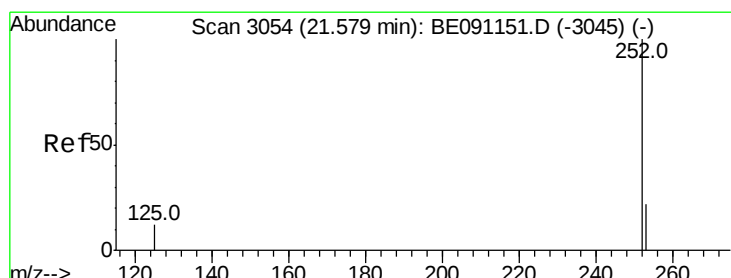
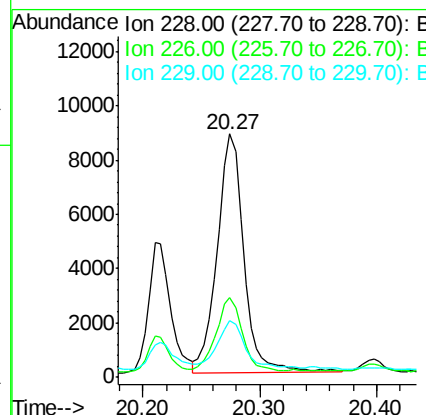
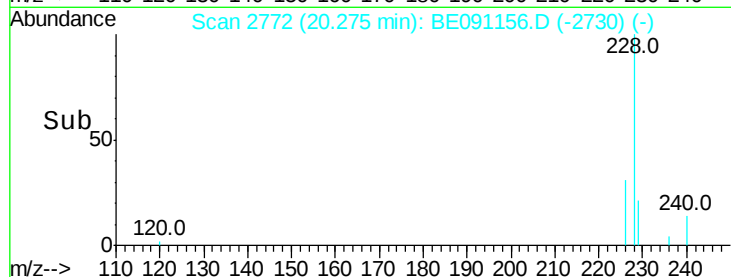
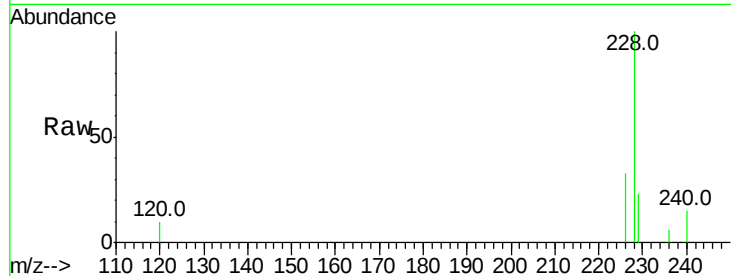
#21  
Chrysene  
Concen: 0.10 ng/ul  
RT: 20.27 min Scan# 2772  
Delta R.T. -0.01 min  
Lab File: BE091156.D  
Acq: 14 Nov 2015 00:23

Instrument :  
BNA\_E  
ClientSampleId :  
D9KP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.8  | 25.7  | 38.5  |
| 229     | 23.5  | 15.2  | 22.8  |

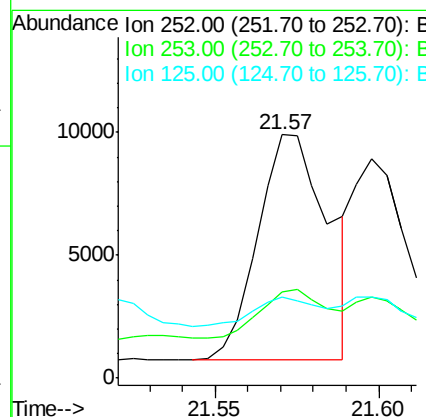
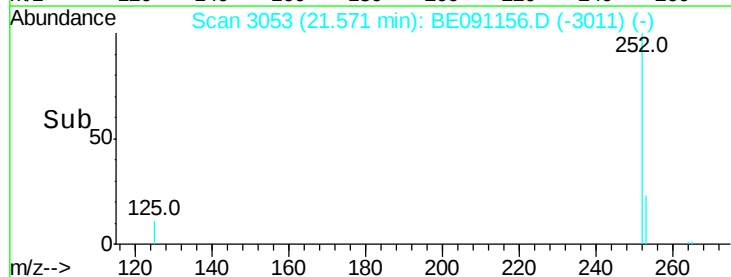
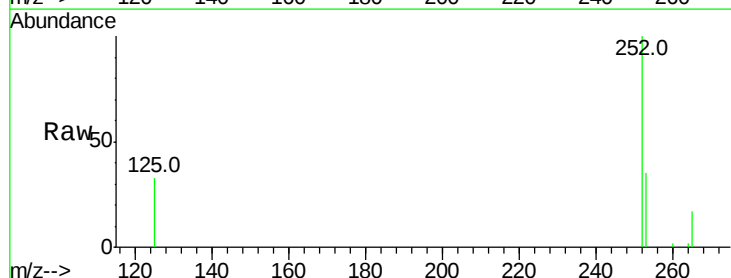
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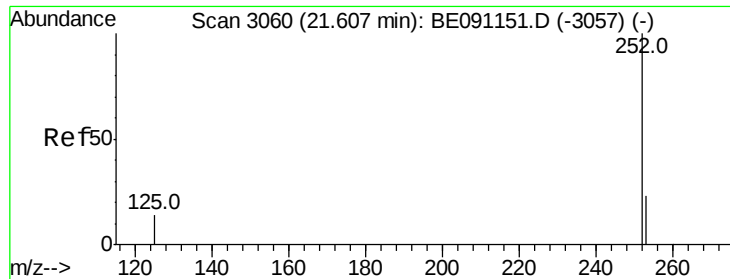
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#23  
Benzo(b)fluoranthene  
Concen: 0.11 ng/ul  
RT: 21.57 min Scan# 3053  
Delta R.T. -0.01 min  
Lab File: BE091156.D  
Acq: 14 Nov 2015 00:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 35.2  | 0.0   | 48.0  |
| 125     | 33.1  | 0.0   | 36.6  |





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 21.60 min Scan# 3059

Delta R.T. -0.01 min

Lab File: BE091156.D

Acq: 14 Nov 2015 00:23

Instrument :

BNA\_E

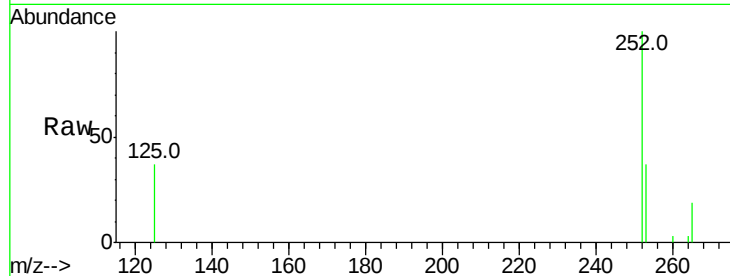
ClientSampleId :

D9KP1

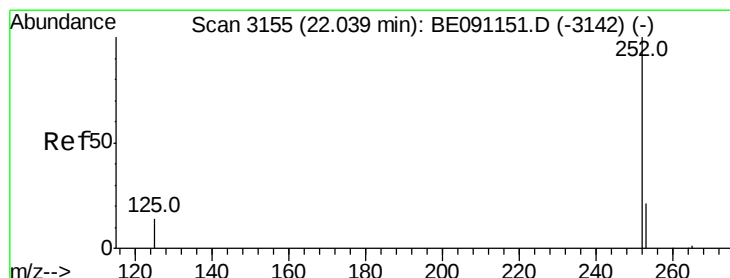
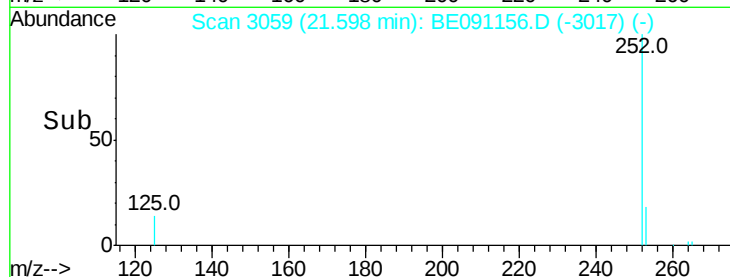
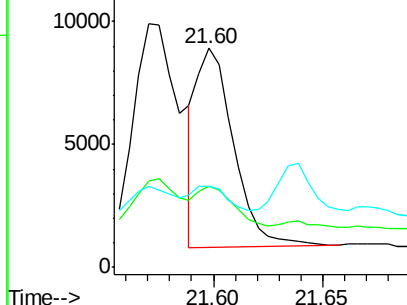
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 9503  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 37.1  | 20.8  | 31.2# |
| 125       | 36.7  | 12.2  | 18.4# |

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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



#25

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 22.03 min Scan# 3154

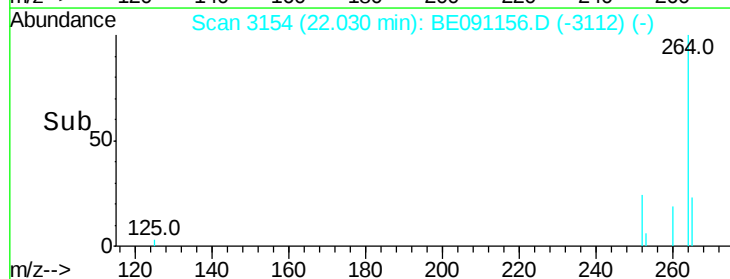
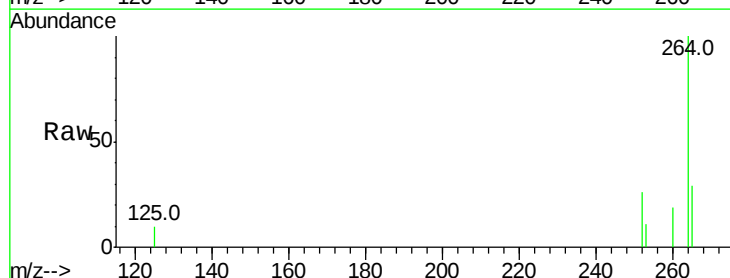
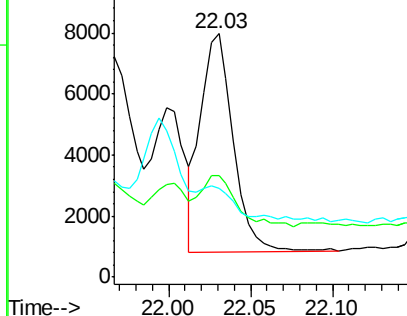
Delta R.T. -0.01 min

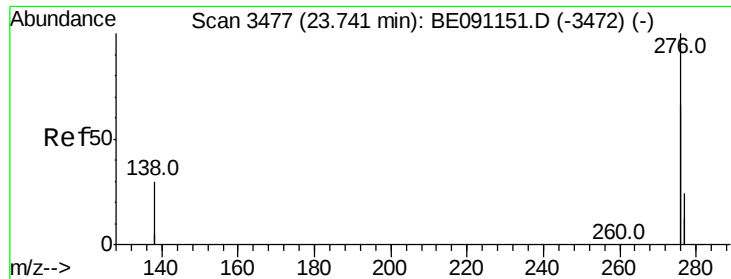
Lab File: BE091156.D

Acq: 14 Nov 2015 00:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 9882  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 41.8  | 21.8  | 32.8# |
| 125       | 36.5  | 14.5  | 21.7# |

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





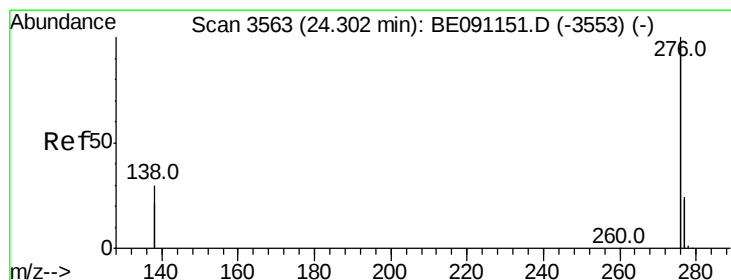
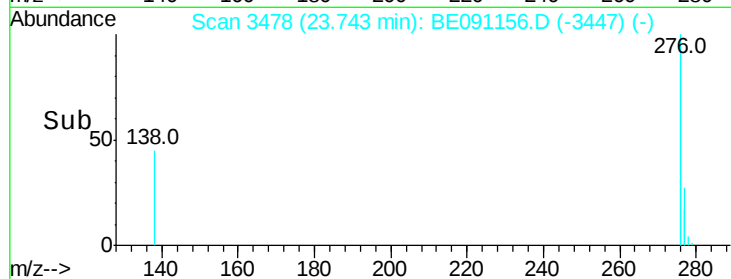
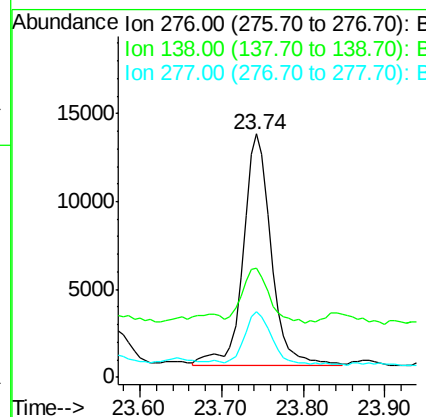
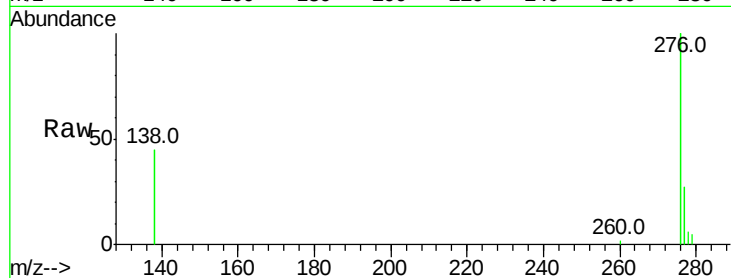
#26  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.06 ng/ul  
 RT: 23.74 min Scan# 3478  
 Delta R.T. 0.00 min  
 Lab File: BE091156.D  
 Acq: 14 Nov 2015 00:23

Instrument :  
 BNA\_E  
 ClientSampleId :  
 D9KP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.7  | 27.5  | 41.3# |
| 277     | 23.2  | 19.3  | 28.9  |

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#28  
 Benzo(g,h,i)perylene  
 Concen: 0.07 ng/ul  
 RT: 24.30 min Scan# 3563  
 Delta R.T. -0.00 min  
 Lab File: BE091156.D  
 Acq: 14 Nov 2015 00:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.2  | 21.3  | 31.9  |
| 138     | 43.4  | 25.5  | 38.3# |

