

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\  
 Data File : BN007034.D  
 Acq On : 08 Aug 2019 20:16  
 Operator : HP/JU  
 Sample : K3962-04DL 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEP33DL

Manual Integrations  
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 8/9/2019 6:17:37 AM

Quant Time: Aug 09 02:54:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 17:30:08 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.47  | 152  | 7943     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.23 | 136  | 31569    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.11 | 164  | 19234    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.86 | 188  | 48335    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.07 | 240  | 35063    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.20 | 264  | 31924    | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.83 | 152  | 2283     | 0.04   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.90 | 212  | 7833     | 0.05   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 13.83 | 152  | 5678     | 0.051  | ng/ul  | 95       |
| 12) Phenanthrene            | 16.90 | 178  | 10689    | 0.069  | ng/ul# | 92       |
| 13) Anthracene              | 16.99 | 178  | 6199     | 0.039  | ng/ul# | 85       |
| 15) Fluoranthene            | 18.93 | 202  | 115493   | 0.603  | ng/ul  | 99       |
| 17) Pyrene                  | 19.29 | 202  | 110561   | 0.706  | ng/ul  | 98       |
| 18) Benzo(a)anthracene      | 21.05 | 228  | 107728   | 0.699  | ng/ul  | 98       |
| 19) Chrysene                | 21.10 | 228  | 94548    | 0.656  | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.57 | 252  | 88363m   | 0.683  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.61 | 252  | 29914m   | 0.238  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.11 | 252  | 58754    | 0.482  | ng/ul  | 96       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.29 | 276  | 28726    | 0.219  | ng/ul# | 93       |
| 25) Dibenzo(a,h)anthracene  | 25.30 | 278  | 8211     | 0.078  | ng/ul# | 78       |
| 26) Benzo(g,h,i)perylene    | 25.93 | 276  | 26940    | 0.245  | ng/ul  | 98       |

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

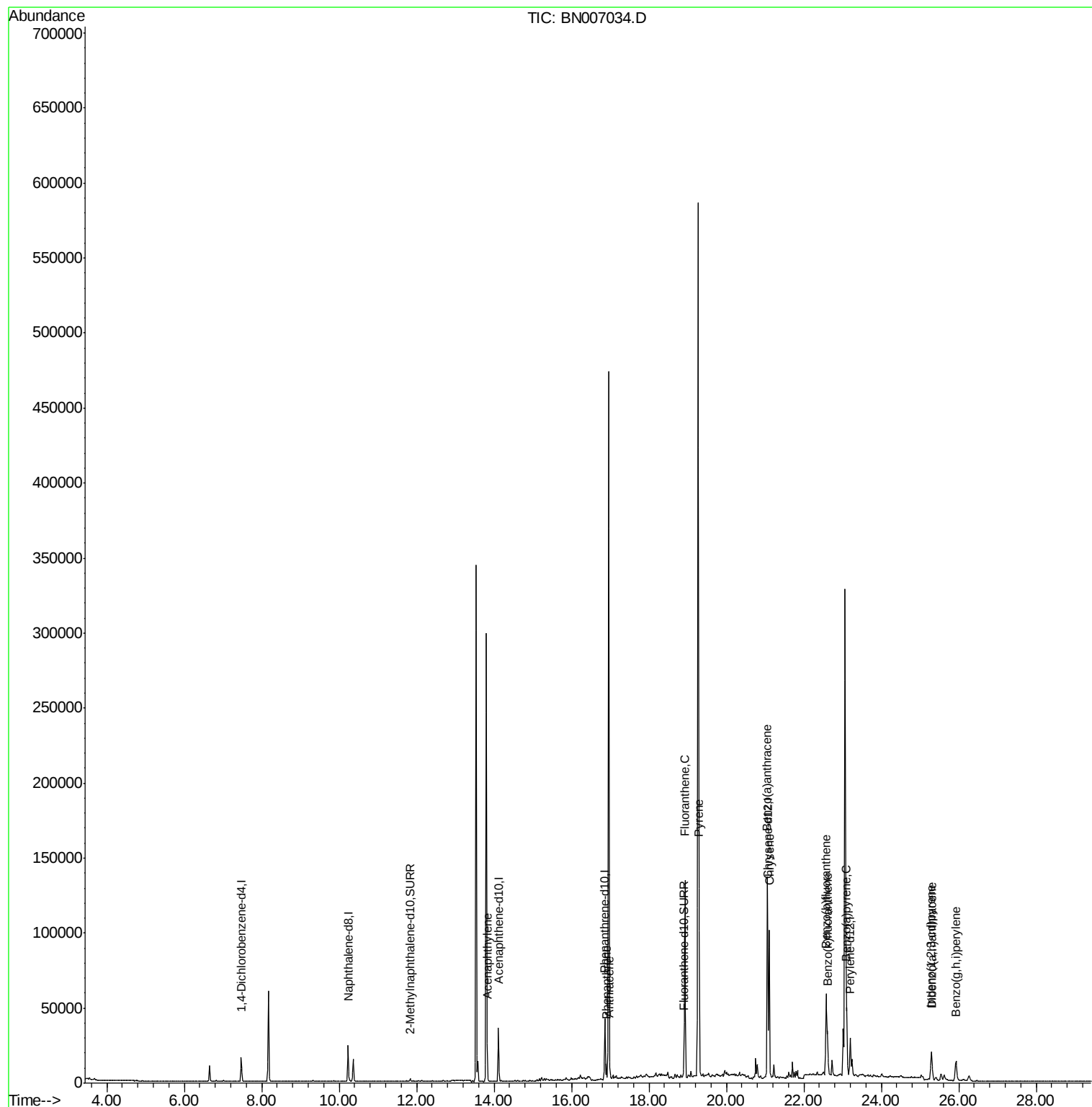
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\  
Data File : BN007034.D  
Acq On : 08 Aug 2019 20:16  
Operator : HP/JU  
Sample : K3962-04DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

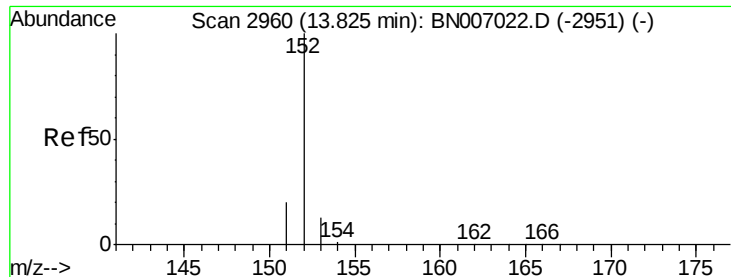
Instrument :  
BNA\_N  
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BEP33DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 17:30:08 2019  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.051 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA\_N

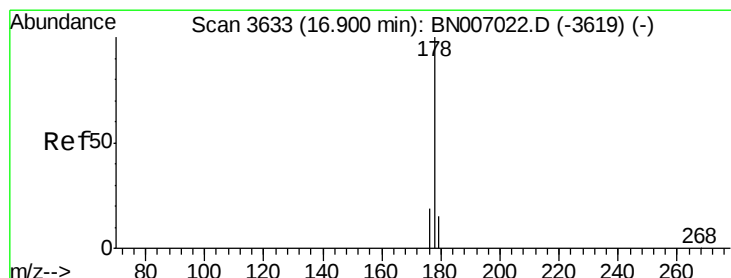
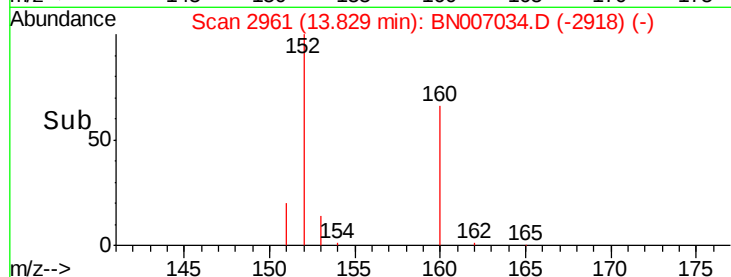
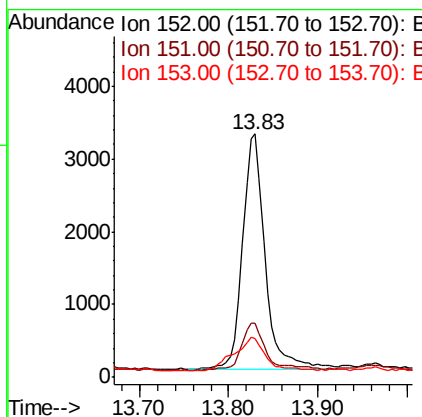
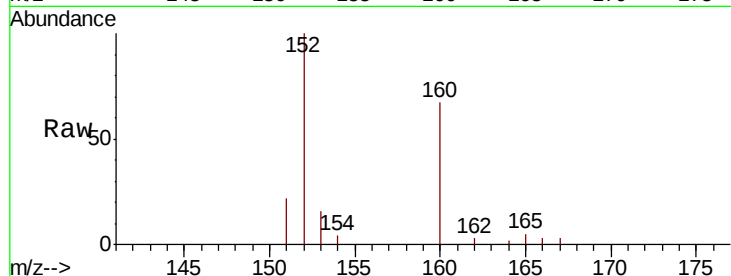
ClientSampleId :

BEP33DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 152   | Resp: | 5678 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 22.2  | 16.3  | 24.5 |
| 153       | 16.1  | 11.0  | 16.4 |

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#12

Phenanthrene

Concen: 0.069 ng/ul

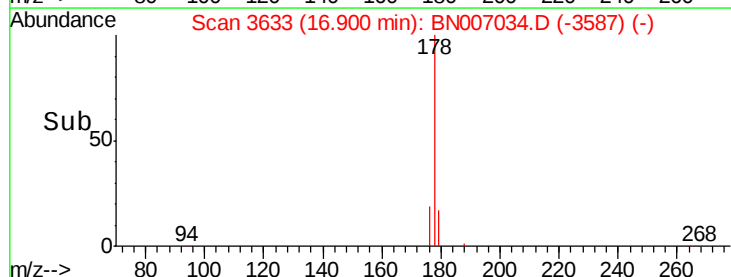
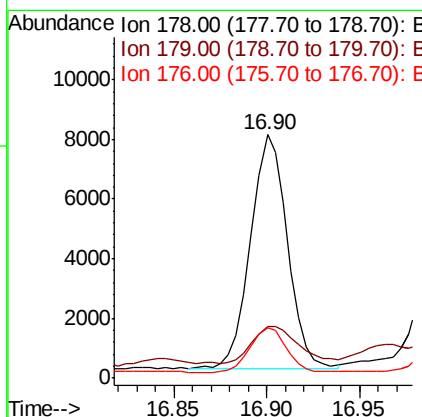
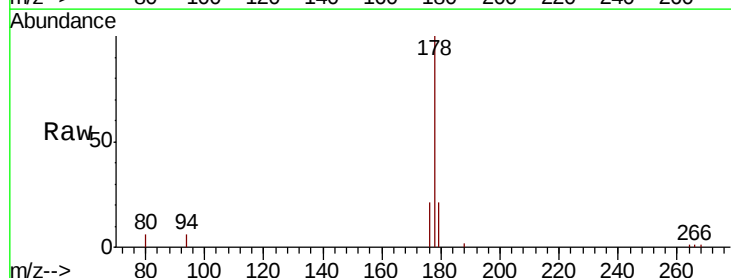
RT: 16.90 min Scan# 3633

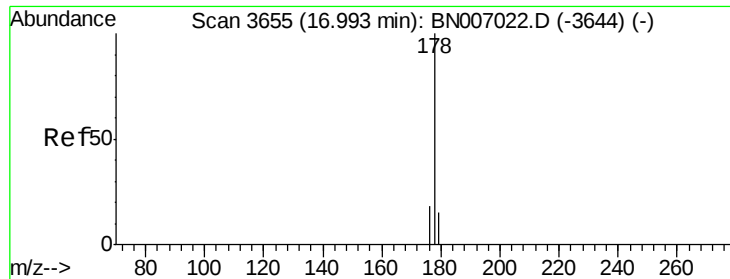
Delta R.T. -0.00 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 10689 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 21.2  | 12.5  | 18.7# |
| 176       | 20.8  | 15.6  | 23.4  |





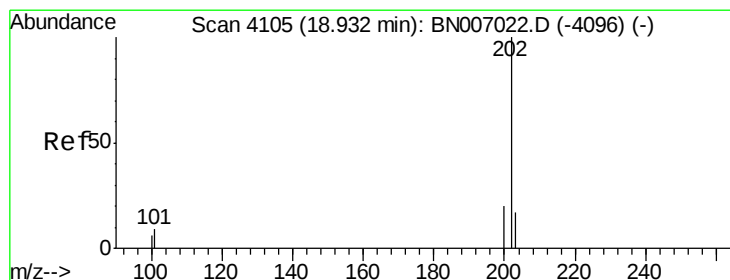
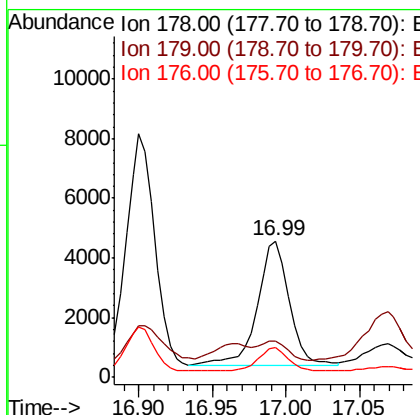
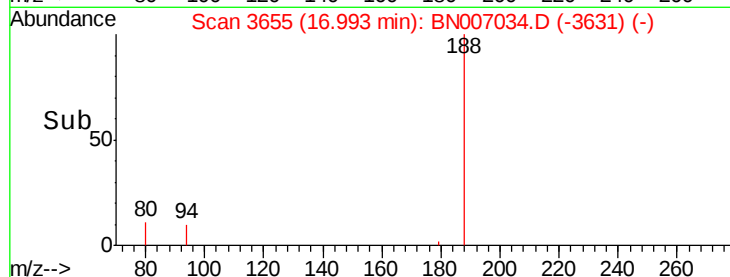
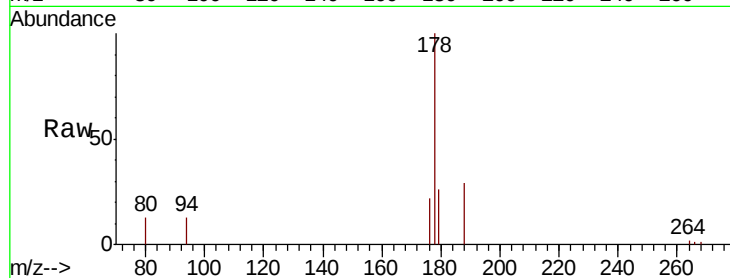
#13  
 Anthracene  
 Concen: 0.039 ng/ul  
 RT: 16.99 min Scan# 3655  
 Delta R.T. -0.00 min  
 Lab File: BN007034.D  
 Acq: 08 Aug 2019 20:16

Instrument :  
 BNA\_N  
 ClientSampled :  
 BEP33DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 26.2  | 12.6  | 18.8# |
| 176     | 22.0  | 15.4  | 23.0  |

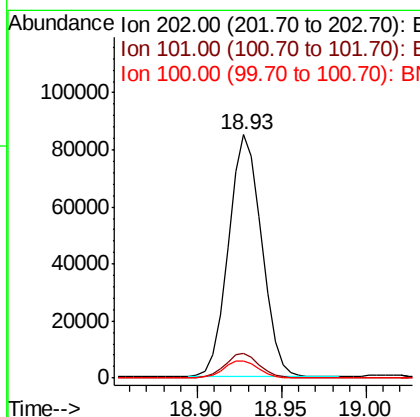
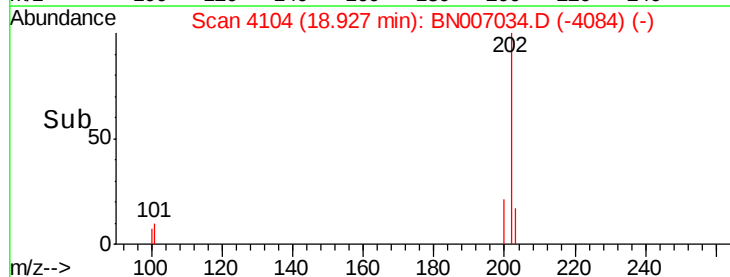
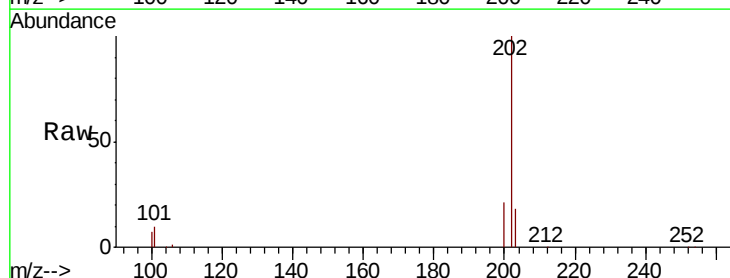
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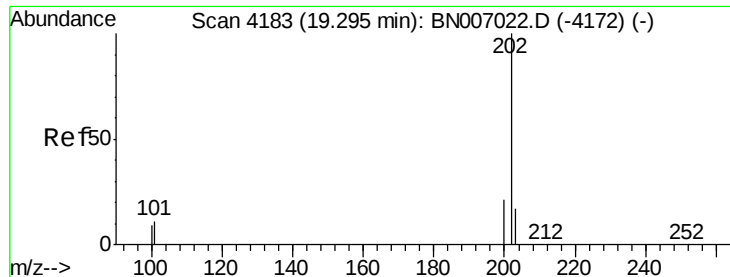
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#15  
 Fluoranthene  
 Concen: 0.603 ng/ul  
 RT: 18.93 min Scan# 4104  
 Delta R.T. -0.00 min  
 Lab File: BN007034.D  
 Acq: 08 Aug 2019 20:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.0  | 0.0   | 30.0  |
| 100     | 7.3   | 0.0   | 27.7  |





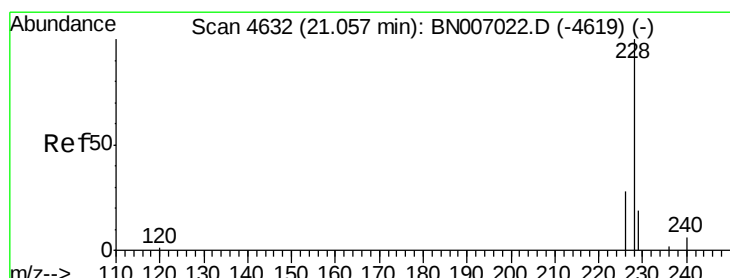
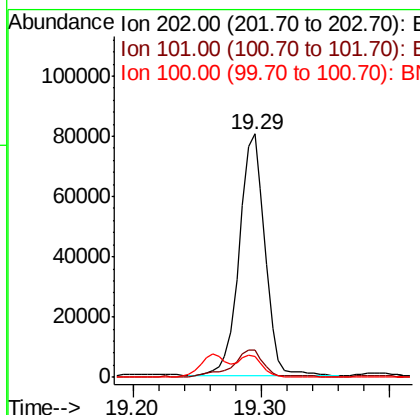
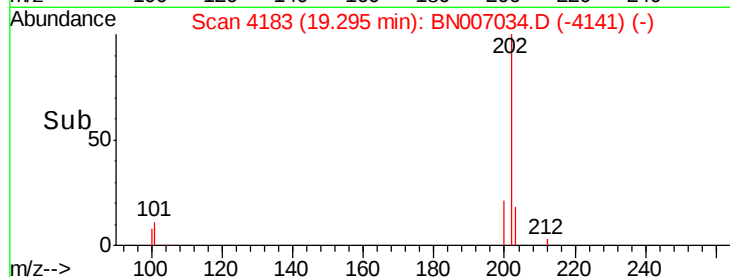
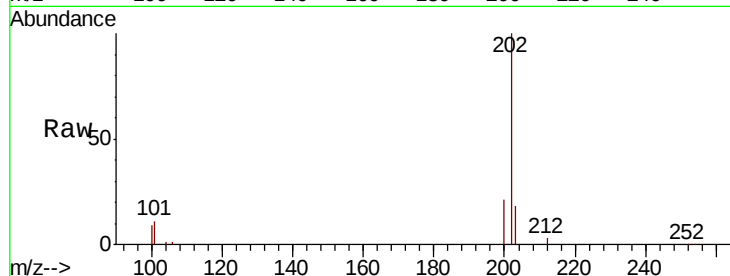
#17  
Pvrene  
Concen: 0.706 ng/ul  
RT: 19.29 min Scan# 4183  
Delta R.T. -0.00 min  
Lab File: BN007034.D  
Acq: 08 Aug 2019 20:16

Instrument :  
BNA\_N  
ClientSampleId :  
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| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 202     | 100  |       | 110561 |       |       |
| 101     | 11.0 | 9.3   | 13.9   |       |       |
| 100     | 8.6  | 7.3   | 10.9   |       |       |

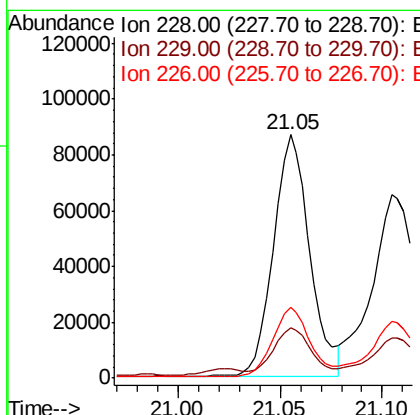
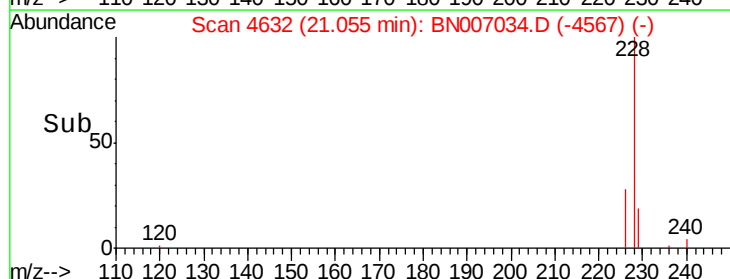
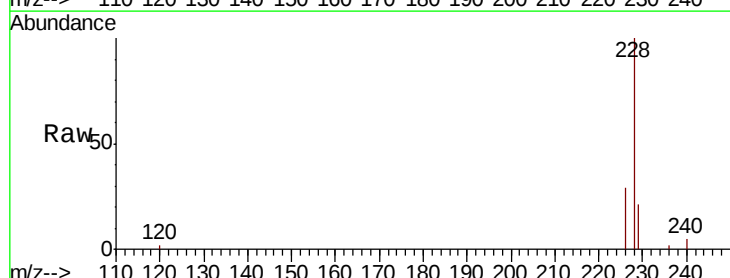
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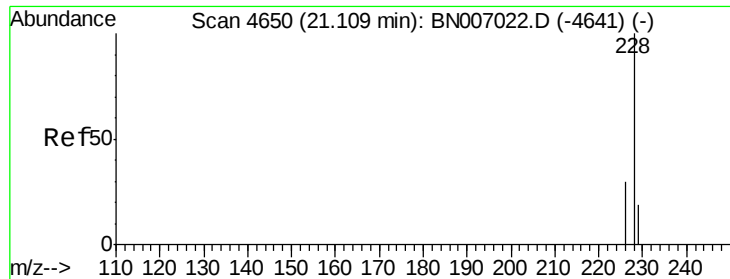
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#18  
Benzo(a)anthracene  
Concen: 0.699 ng/ul  
RT: 21.05 min Scan# 4632  
Delta R.T. -0.01 min  
Lab File: BN007034.D  
Acq: 08 Aug 2019 20:16

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 228     | 100  |       | 107728 |       |       |
| 229     | 20.8 | 15.9  | 23.9   |       |       |
| 226     | 29.1 | 22.2  | 33.4   |       |       |





#19

Chrysene

Concen: 0.656 ng/ul

RT: 21.10 min Scan# 4649

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA\_N

ClientSampleId :

BEP33DL

Tot Ion:228 Resp: 94548

Ion Ratio Lower Upper

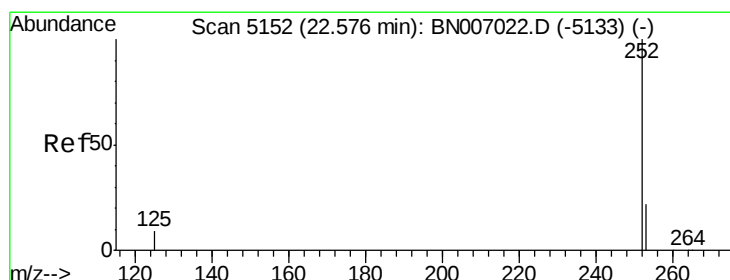
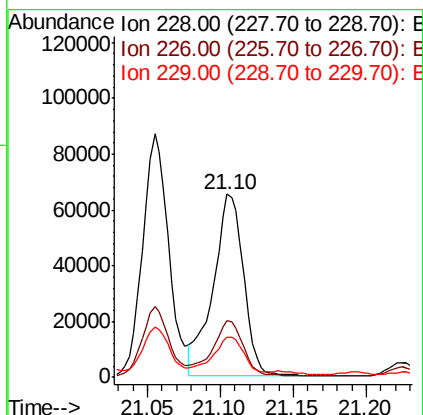
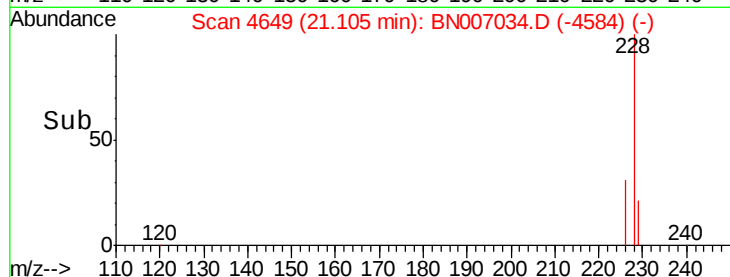
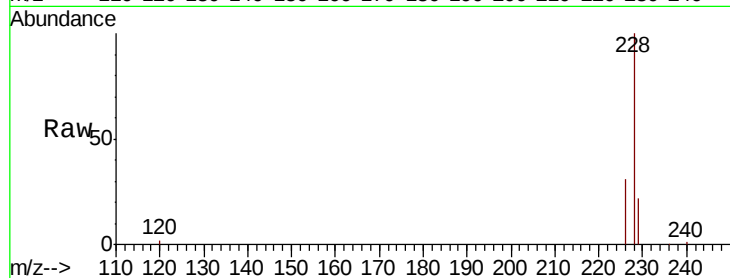
228 100

226 31.0 24.7 37.1

229 22.1 15.5 23.3

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#21

Benzo(b)fluoranthene

Concen: 0.683 ng/ul m

RT: 22.57 min Scan# 5152

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

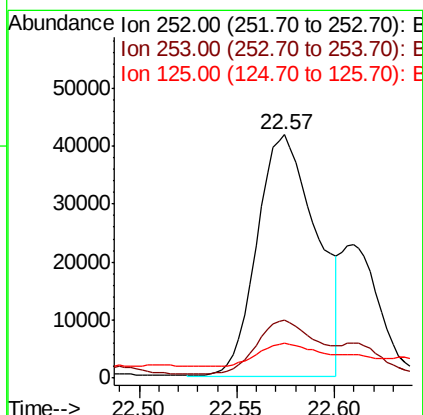
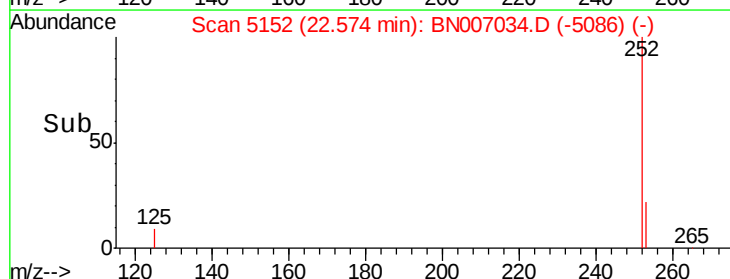
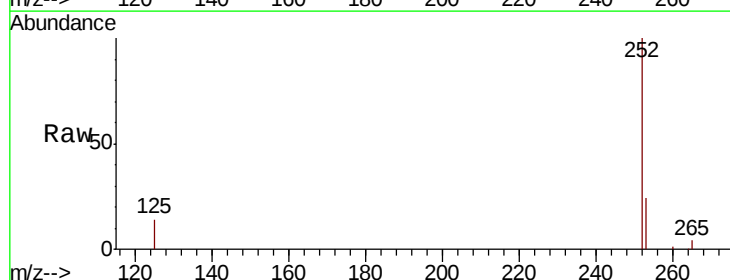
Tgt Ion:252 Resp: 88363

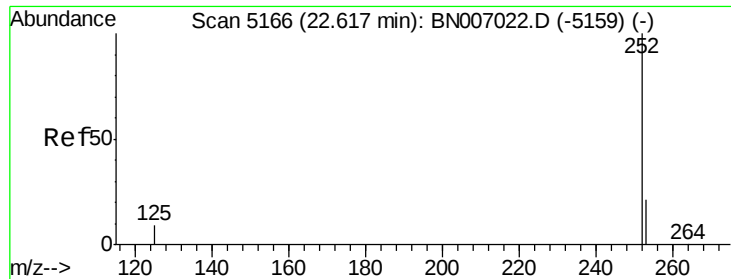
Ion Ratio Lower Upper

252 100

253 23.6 0.0 45.2

125 14.3 0.0 22.2





#22

Benzo(k)fluoranthene

Concen: 0.238 ng/ul m

RT: 22.61 min Scan# 5164

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA\_N

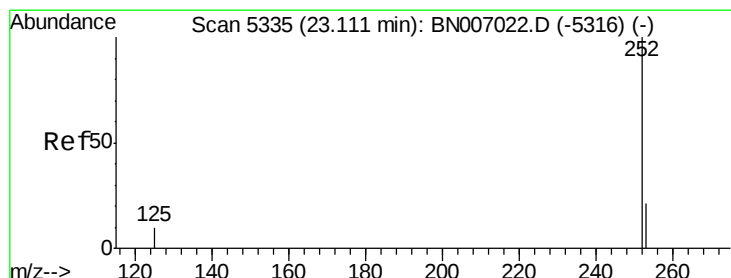
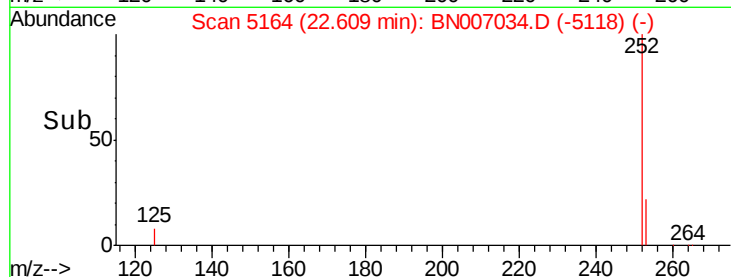
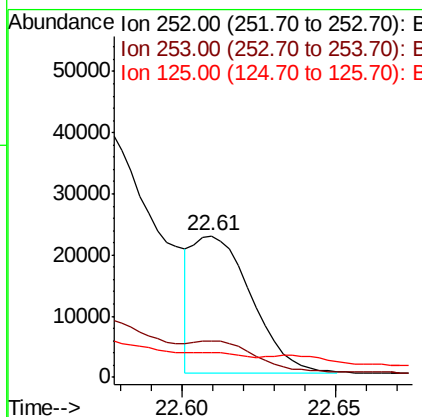
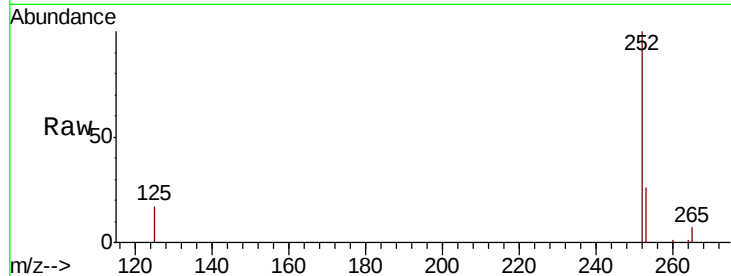
ClientSampleId :

BEP33DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.1  | 18.6  | 28.0  |
| 125     | 17.4  | 8.7   | 13.1  |

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#23

Benzo(a)pyrene

Concen: 0.482 ng/ul

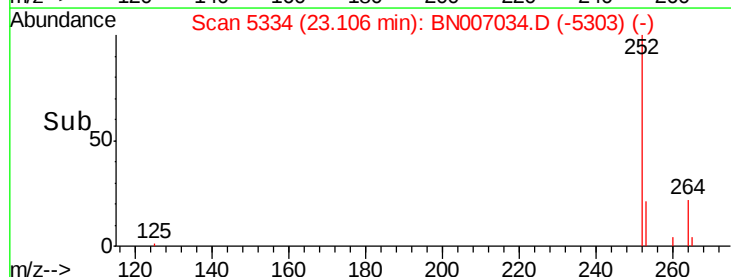
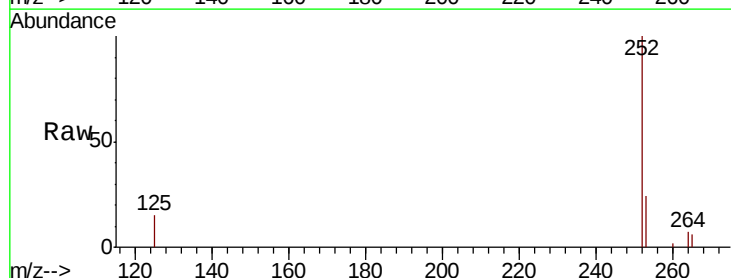
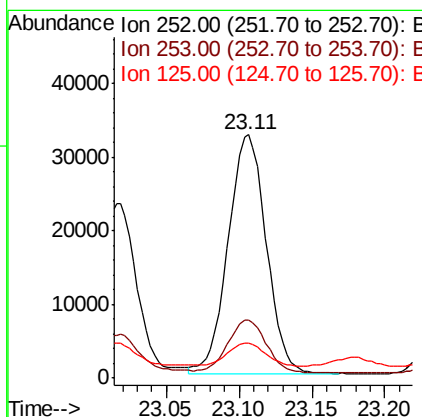
RT: 23.11 min Scan# 5334

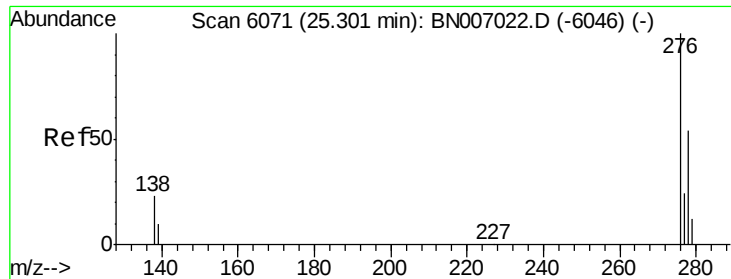
Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 18.0  | 27.0  |
| 125     | 14.5  | 10.0  | 15.0  |





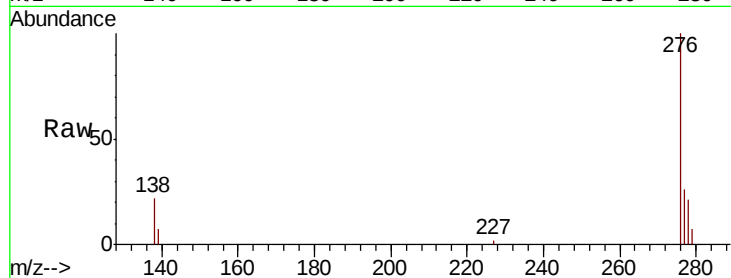
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.219 ng/uL  
RT: 25.29 min Scan# 6068  
Delta R.T. -0.02 min  
Lab File: BN007034.D  
Acq: 08 Aug 2019 20:16

Instrument :  
BNA\_N  
ClientSampleId :  
BEP33DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.2  | 19.9  | 29.9  |
| 227     | 0.1   | 0.2   | 0.4   |

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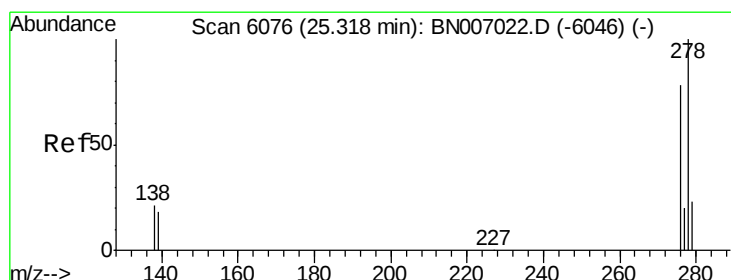
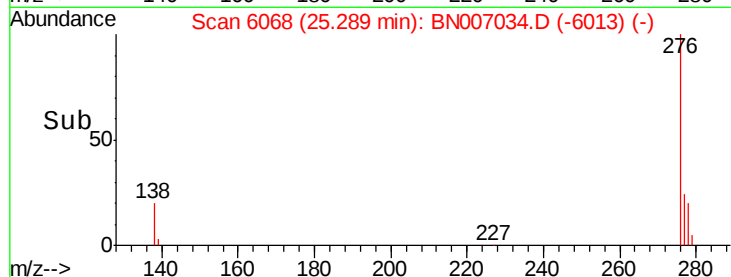
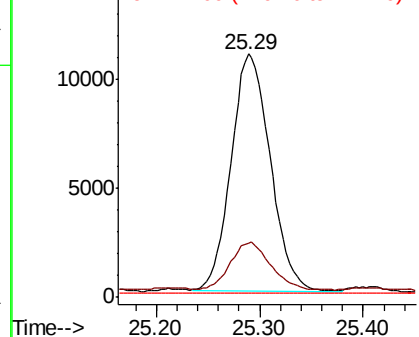


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25  
Dibenzo(a,h)anthracene  
Concen: 0.078 ng/uL  
RT: 25.30 min Scan# 6072  
Delta R.T. -0.02 min  
Lab File: BN007034.D  
Acq: 08 Aug 2019 20:16

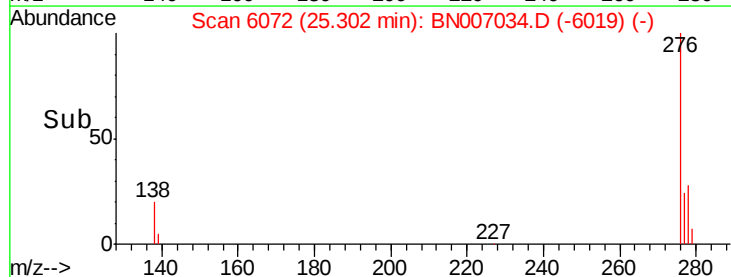
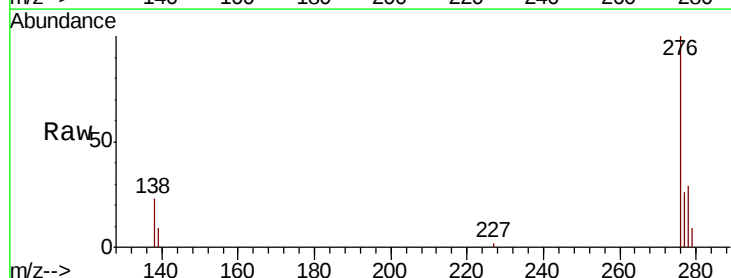
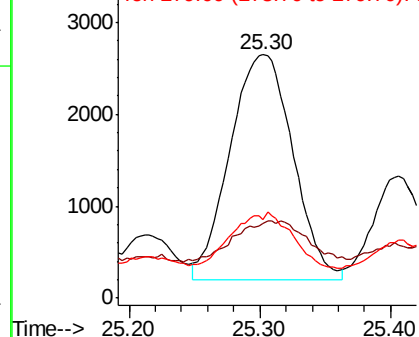
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 30.8  | 14.3  | 21.5  |
| 279     | 32.4  | 19.6  | 29.4  |

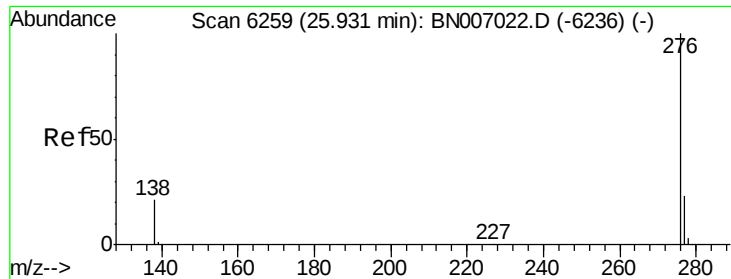
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.245 ng/ul

RT: 25.93 min Scan# 6258

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA\_N

ClientSampleId :

BEP33DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 26940 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 22.6  | 18.7  | 28.1  |
| 277       | 25.0  | 19.3  | 28.9  |

Manual Integrations  
APPROVED

mohammad  
8/9/2019 6:17:37 AM

