

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\  
 Data File : BN007485.D  
 Acq On : 29 Aug 2019 01:47  
 Operator : HP/JU  
 Sample : K4395-03  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AE0

Manual Integrations  
 APPROVED

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 8/29/2019 7:51:11 AM

Quant Time: Aug 29 03:41:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 03:32:53 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 5158     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.15 | 136  | 23007    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.05 | 164  | 12087    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.80 | 188  | 28384m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.01 | 240  | 21943m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.11 | 264  | 20121m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.75 | 152  | 8596     | 0.24   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.84 | 212  | 26175m   | 0.28   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.20 | 128  | 4122     | 0.063  | ng/ul# | 85       |
| 7) Acenaphthylene           | 13.76 | 152  | 4739     | 0.070  | ng/ul# | 71       |
| 8) Acenaphthene             | 14.11 | 153  | 259841   | 5.377  | ng/ul  | 98       |
| 9) Fluorene                 | 15.10 | 166  | 7947     | 0.152  | ng/ul# | 19       |
| 12) Phenanthrene            | 16.84 | 178  | 4039m    | 0.046  | ng/ul  |          |
| 13) Anthracene              | 16.93 | 178  | 29224m   | 0.350  | ng/ul  |          |
| 15) Fluoranthene            | 18.87 | 202  | 166009m  | 1.400  | ng/ul  |          |
| 17) Pyrene                  | 19.24 | 202  | 125709   | 1.171  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.00 | 228  | 3509m    | 0.036  | ng/ul  |          |

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

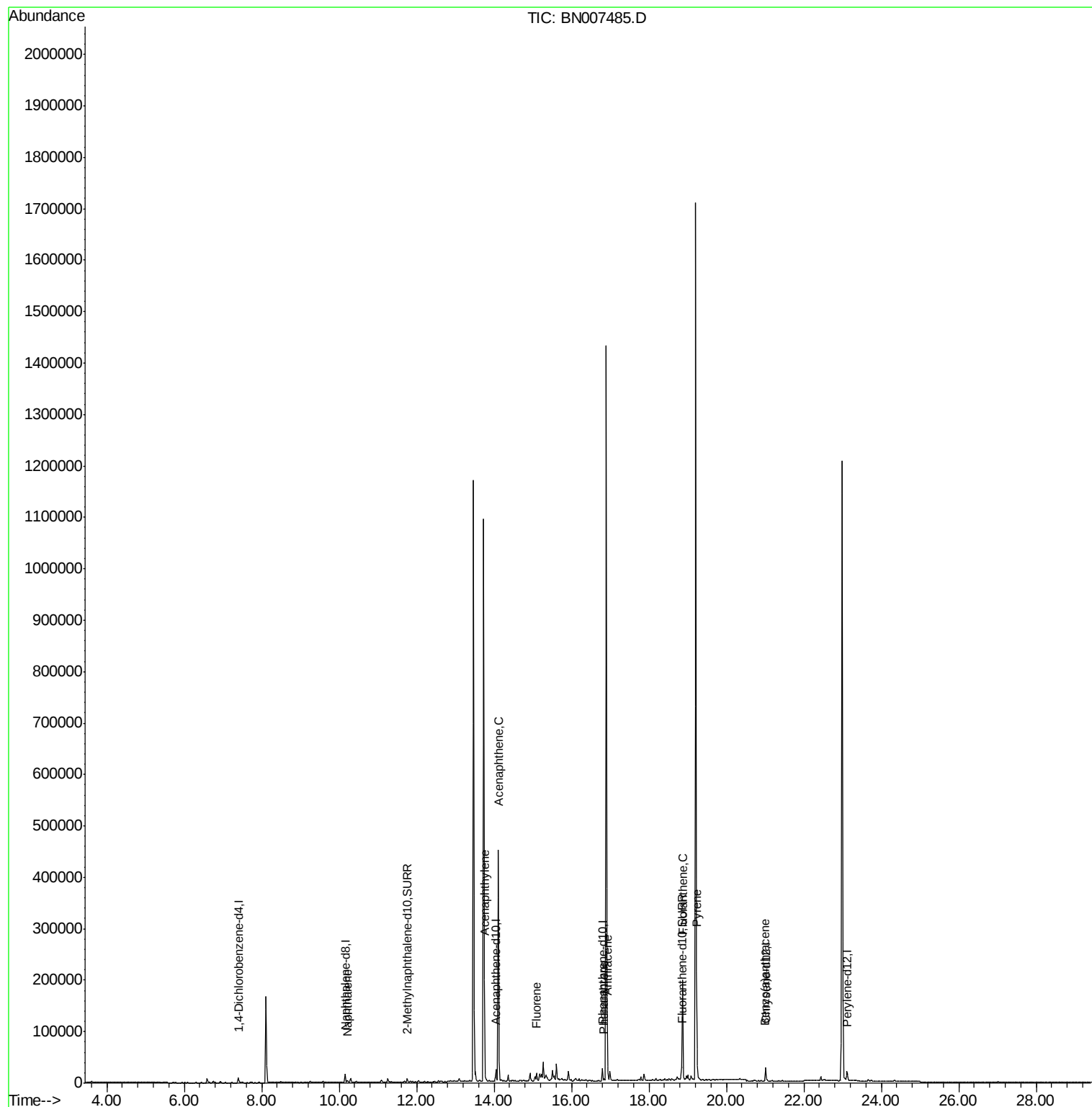
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\  
Data File : BN007485.D  
Acq On : 29 Aug 2019 01:47  
Operator : HP/JU  
Sample : K4395-03  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

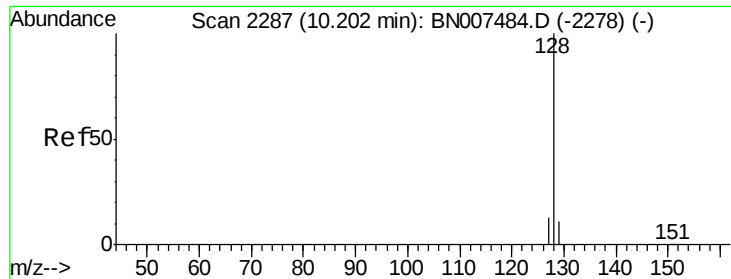
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M  
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QLast Update : Thu Aug 29 03:32:53 2019  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.063 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BN007485.D

Acq: 29 Aug 2019 01:47

Instrument :

BNA\_N

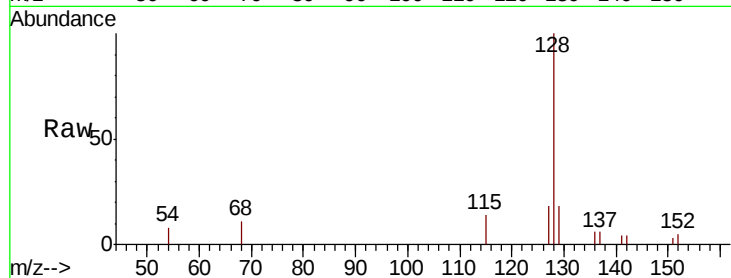
ClientSampleId :

C0AE0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 17.7  | 9.2   | 13.8# |
| 127     | 18.2  | 10.4  | 15.6# |

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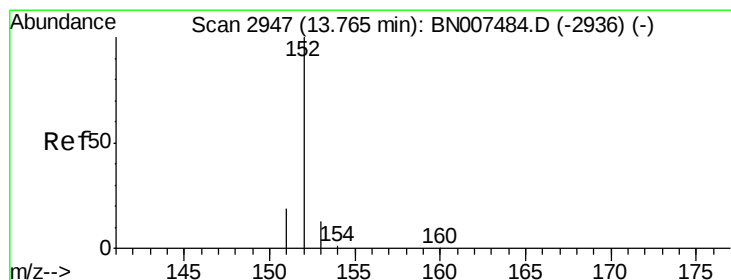
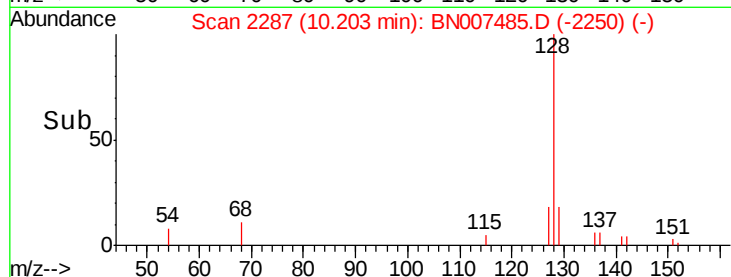
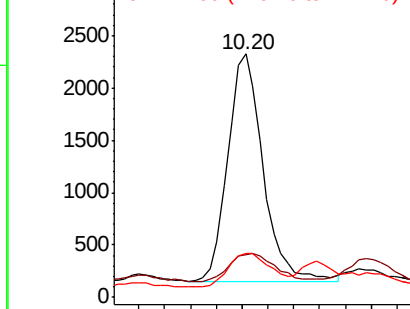


Abundance

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



#7

Acenaphthylene

Concen: 0.070 ng/ul

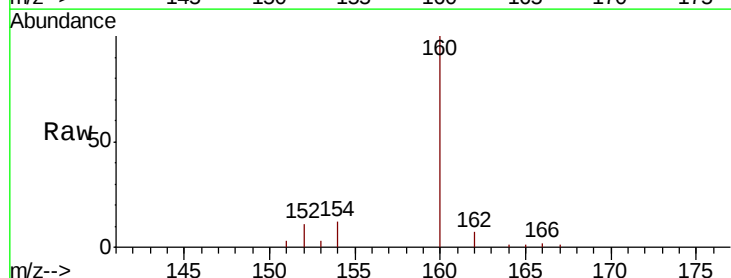
RT: 13.76 min Scan# 2946

Delta R.T. -0.01 min

Lab File: BN007485.D

Acq: 29 Aug 2019 01:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 28.1  | 15.8  | 23.6# |
| 153     | 31.2  | 10.8  | 16.2# |

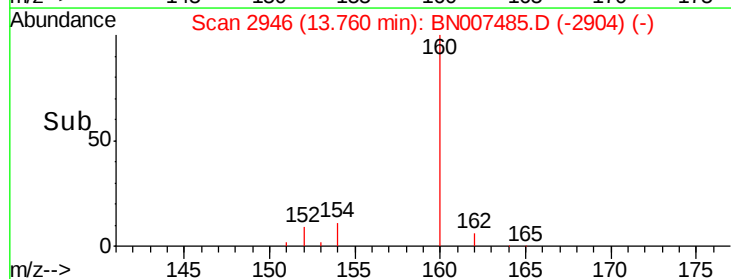
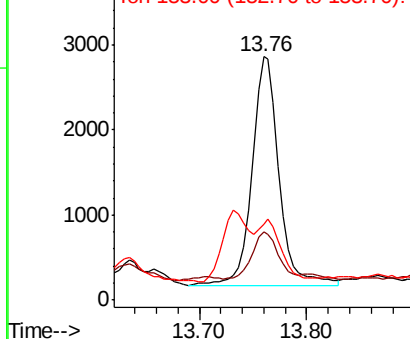


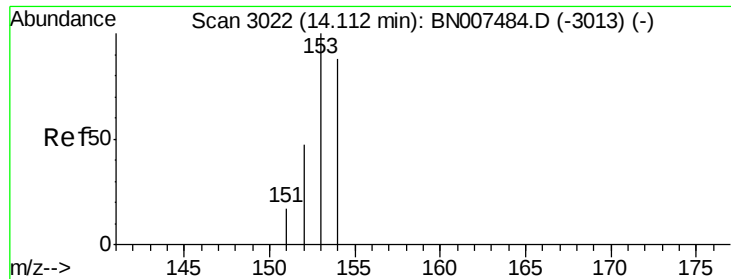
Abundance

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





#8

Acenaphthene

Concen: 5.377 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.01 min

Lab File: BN007485.D

Acq: 29 Aug 2019 01:47

Instrument :

BNA\_N

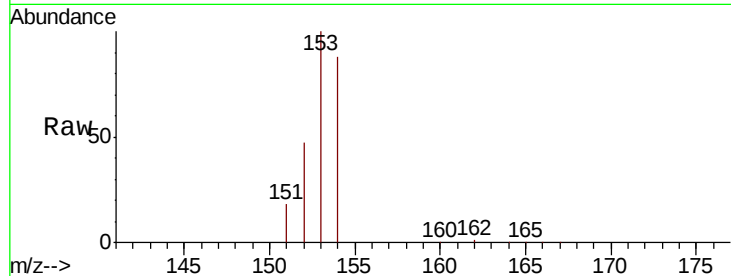
ClientSampleId :

C0AE0

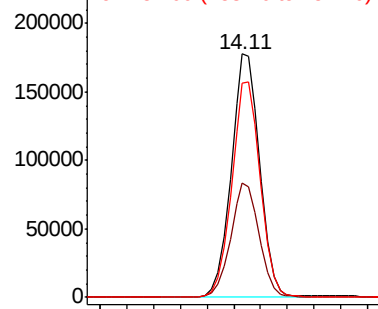
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 153   | Resp: | 259841 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 47.1  | 39.1  | 58.7   |
| 154       | 87.8  | 69.4  | 104.2  |

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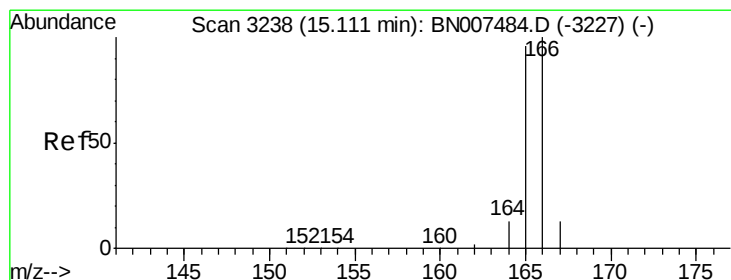
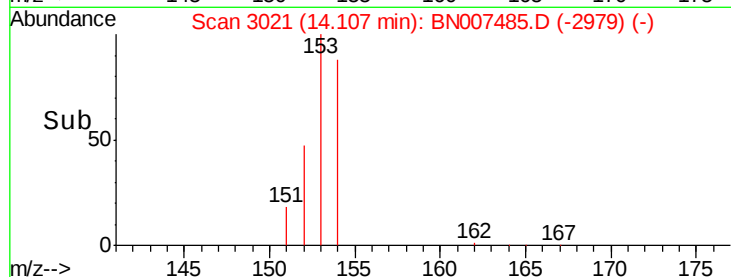
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Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.152 ng/ul

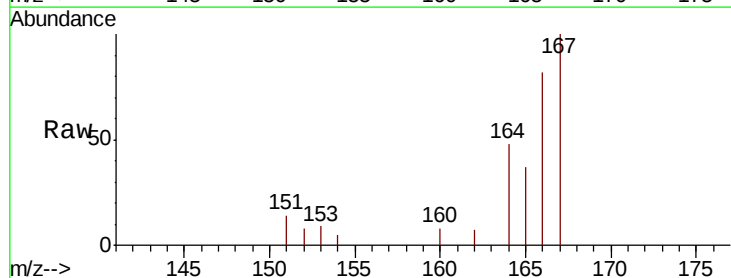
RT: 15.10 min Scan# 3235

Delta R.T. -0.01 min

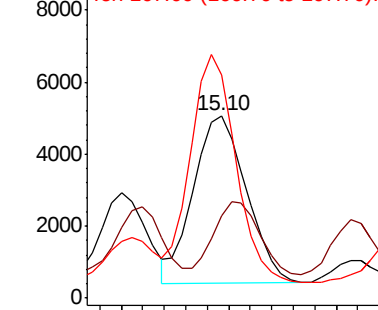
Lab File: BN007485.D

Acq: 29 Aug 2019 01:47

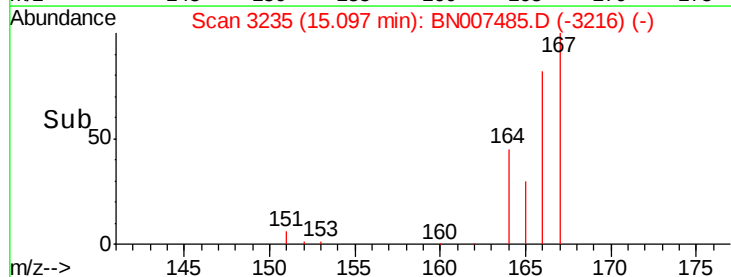
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 7947   |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 45.1  | 79.6  | 119.4# |
| 167       | 122.2 | 11.7  | 17.5#  |

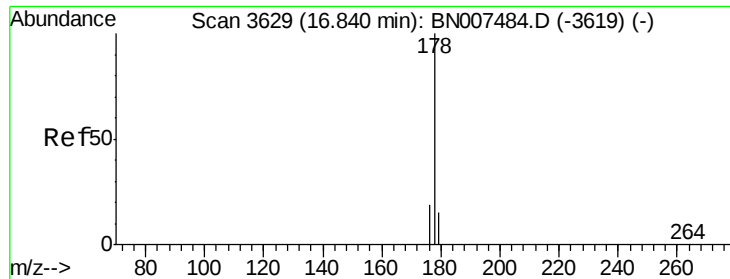


Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



Time-->





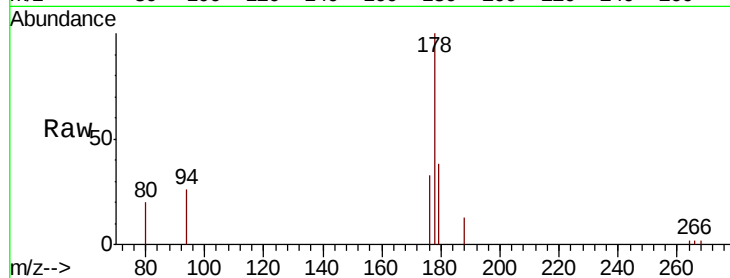
#12  
Phenanthrene  
Concen: 0.046 ng/ul m  
RT: 16.84 min Scan# 3629  
Delta R.T. -0.00 min  
Lab File: BN007485.D  
Acq: 29 Aug 2019 01:47

Instrument :  
BNA\_N  
ClientSampleId :  
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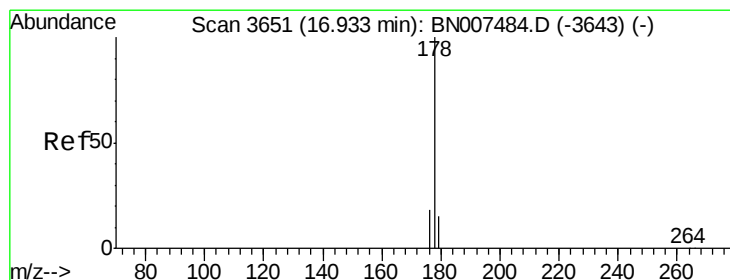
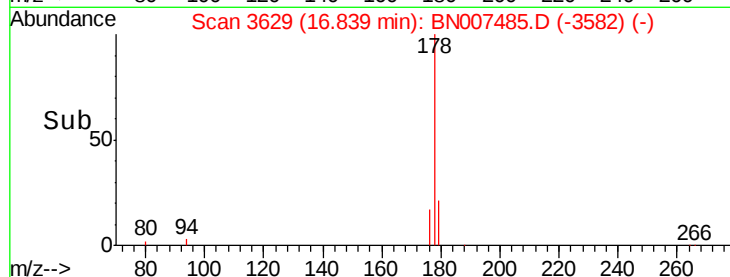
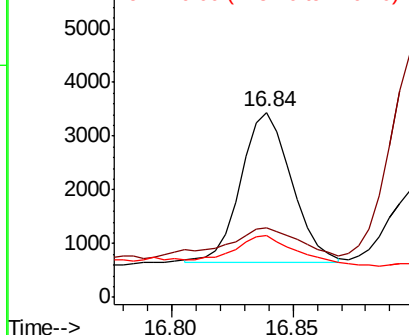
Tot Ion:178 Resp: 4039  
Ion Ratio Lower Upper  
178 100  
179 37.7 12.8 19.2#  
176 33.2 15.2 22.8#

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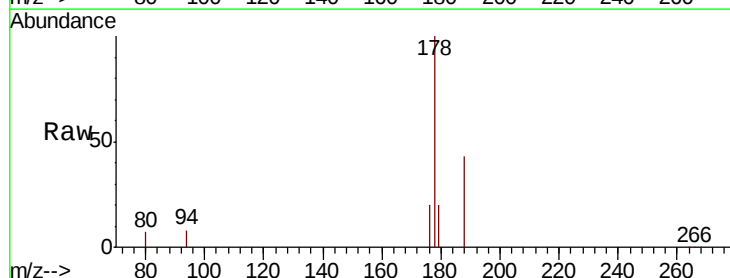


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E

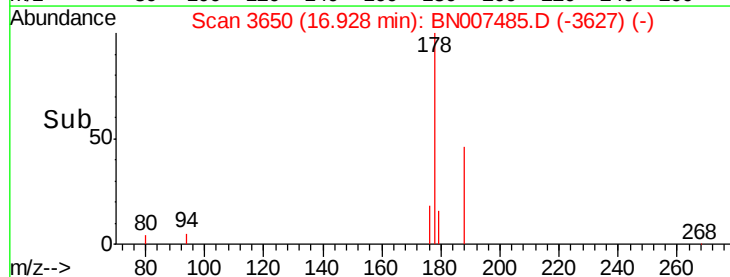
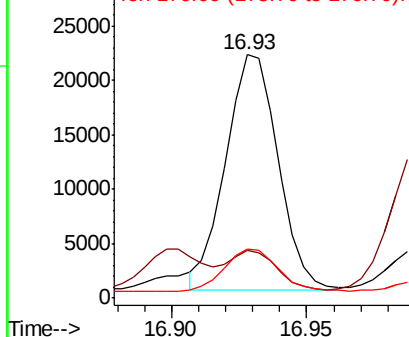


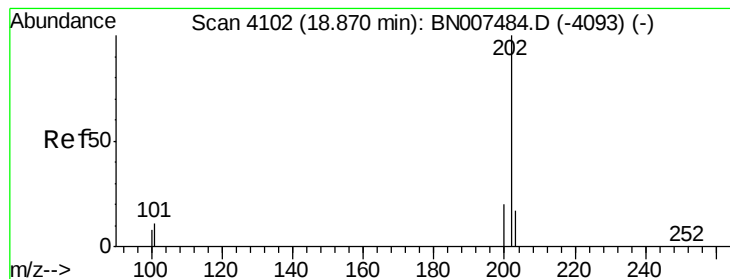
#13  
Anthracene  
Concen: 0.350 ng/ul m  
RT: 16.93 min Scan# 3650  
Delta R.T. -0.00 min  
Lab File: BN007485.D  
Acq: 29 Aug 2019 01:47

Tgt Ion:178 Resp: 29224  
Ion Ratio Lower Upper  
178 100  
179 19.5 12.8 19.2#  
176 20.2 14.6 21.8



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.400 ng/ul m

RT: 18.87 min Scan# 4102

Delta R.T. -0.00 min

Lab File: BN007485.D

Acq: 29 Aug 2019 01:47

Instrument :

BNA\_N

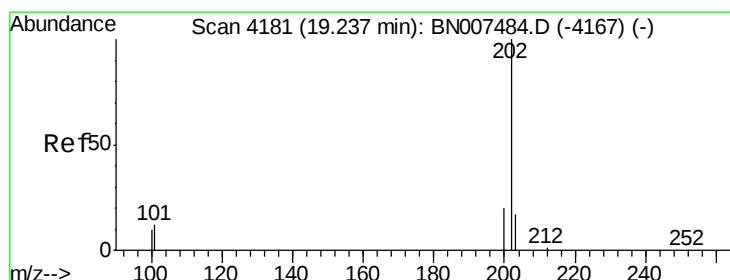
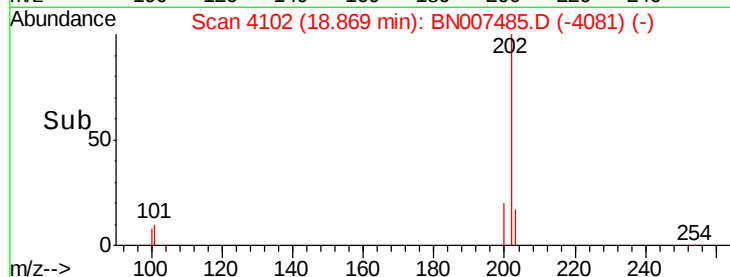
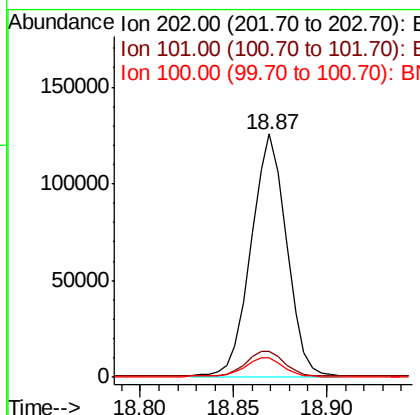
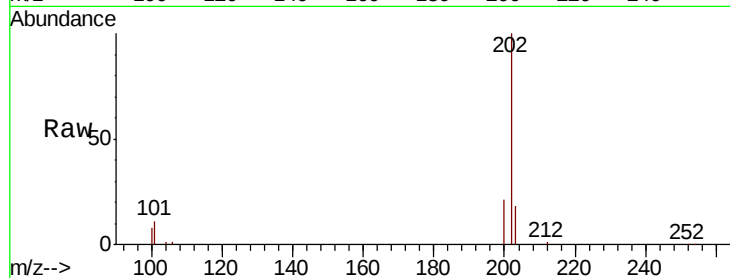
ClientSampleId :

C0AE0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 166009 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.9  | 0.0   | 31.3   |
| 100       | 8.2   | 0.0   | 28.5   |

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#17

Pyrene

Concen: 1.171 ng/ul

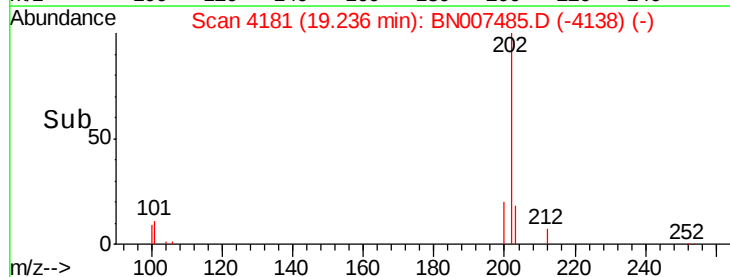
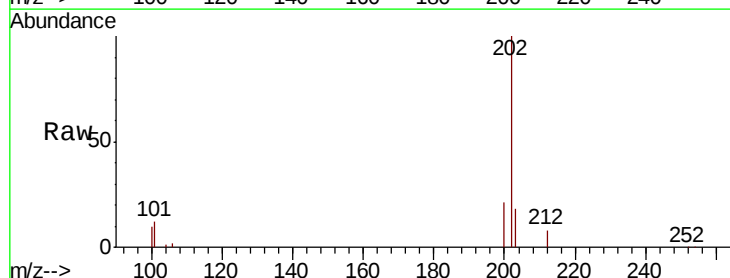
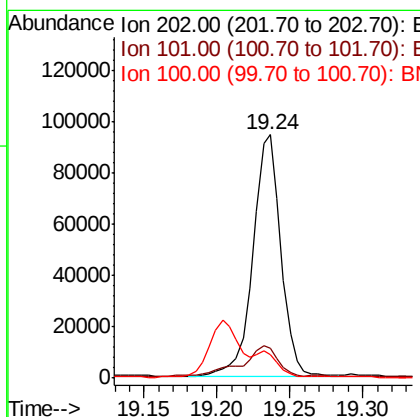
RT: 19.24 min Scan# 4181

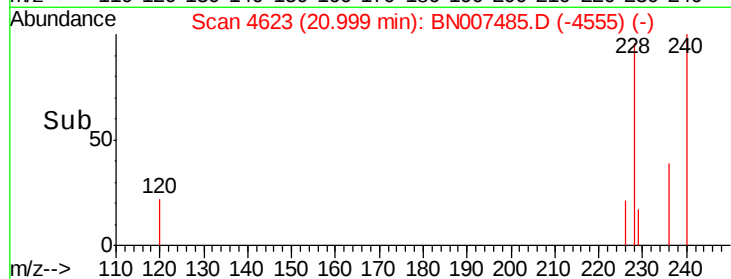
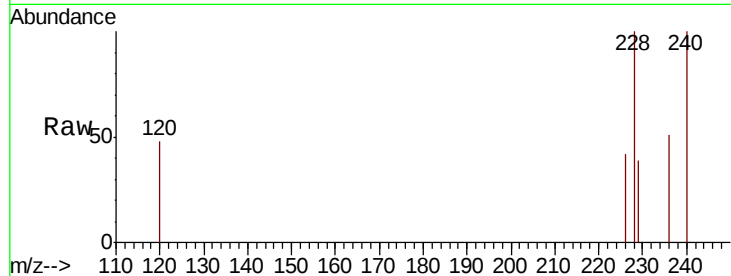
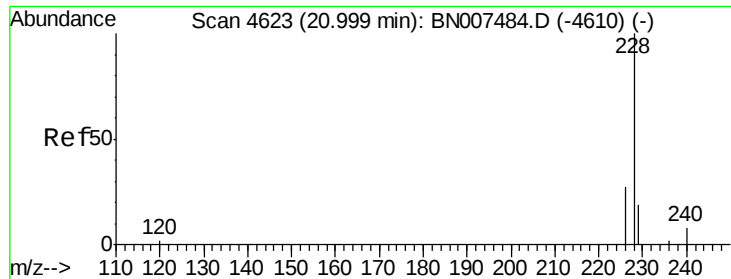
Delta R.T. -0.00 min

Lab File: BN007485.D

Acq: 29 Aug 2019 01:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 125709 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.2  | 10.7  | 16.1   |
| 100       | 9.6   | 8.6   | 12.8   |





#18

Benzo(a)anthracene

Concen: 0.036 ng/ul m

RT: 21.00 min Scan# 4623

Delta R.T. -0.00 min

Lab File: BN007485.D

Acq: 29 Aug 2019 01:47

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 39.2  | 15.4  | 23.2# |
| 226     | 42.2  | 22.0  | 33.0# |

Instrument :

BNA\_N

ClientSampleId :

C0AE0

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