

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
 Data File : BN007866.D  
 Acq On : 25 Sep 2019 22:28  
 Operator : JU  
 Sample : K4994-11 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-B057-091919-1

Manual Integrations  
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mohammad  
 9/27/2019 8:28:11 AM

Quant Time: Sep 26 09:08:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 9331     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.46 | 136  | 34094    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 19277    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.06 | 188  | 39574    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.25 | 240  | 42957    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.46 | 264  | 48660    | 0.40 | ng    | -0.03    |

#### System Monitoring Compounds

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| 4) 2-Fluorophenol           | 5.31  | 112 | 1360 | 0.04 | ng | 0.00  |
| 5) Phenol-d6                | 6.87  | 99  | 1739 | 0.04 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.83  | 82  | 1546 | 0.05 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 2737 | 0.05 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 440  | 0.04 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 3679 | 0.05 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.09 | 212 | 6029 | 0.05 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.70 | 244 | 5152 | 0.05 | ng | -0.01 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.51 | 128 | 2504   | 0.026 | ng | # 86   |
| 12) 2-Methylnaphthalene        | 12.13 | 142 | 2566   | 0.040 | ng | # 91   |
| 16) Acenaphthylene             | 14.03 | 152 | 84137  | 0.823 | ng | 97     |
| 17) Acenaphthene               | 14.37 | 154 | 6044   | 0.092 | ng | # 90   |
| 18) Fluorene                   | 15.38 | 166 | 12320  | 0.146 | ng | # 61   |
| 23) Phenanthrene               | 17.10 | 178 | 27022m | 0.219 | ng |        |
| 24) Anthracene                 | 17.19 | 178 | 10108  | 0.091 | ng | # 96   |
| 26) Fluoranthene               | 19.12 | 202 | 51507  | 0.336 | ng | 98     |
| 28) Pyrene                     | 19.49 | 202 | 75316m | 0.514 | ng |        |
| 30) Benzo(a)anthracene         | 21.24 | 228 | 41037  | 0.259 | ng | # 14   |
| 31) Chrysene                   | 21.29 | 228 | 44137  | 0.286 | ng | # 81   |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 36168  | 0.445 | ng | # 65   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.67 | 276 | 28168m | 0.146 | ng |        |
| 35) Benzo(b)fluoranthene       | 22.81 | 252 | 52584  | 0.311 | ng | # 82   |
| 36) Benzo(k)fluoranthene       | 22.84 | 252 | 14568m | 0.087 | ng |        |
| 37) Benzo(a)pyrene             | 23.37 | 252 | 39387  | 0.248 | ng | # 84   |
| 38) Dibenzo(a,h)anthracene     | 25.68 | 278 | 8771   | 0.054 | ng | # 30   |
| 39) Benzo(a,h,i)perylene       | 26.35 | 276 | 34724  | 0.216 | ng | # 84   |

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

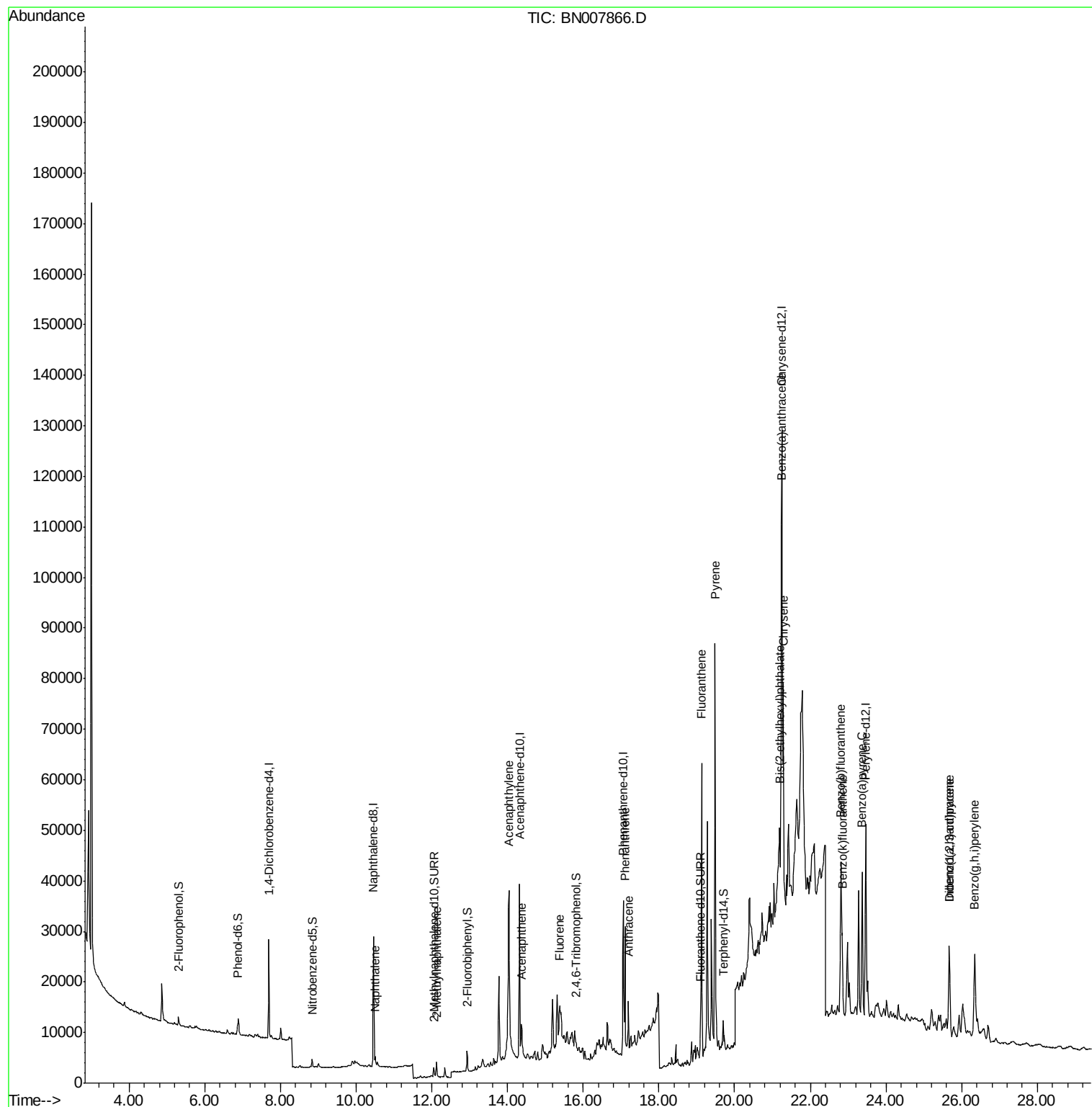
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
Data File : BN007866.D  
Acq On : 25 Sep 2019 22:28  
Operator : JU  
Sample : K4994-11 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

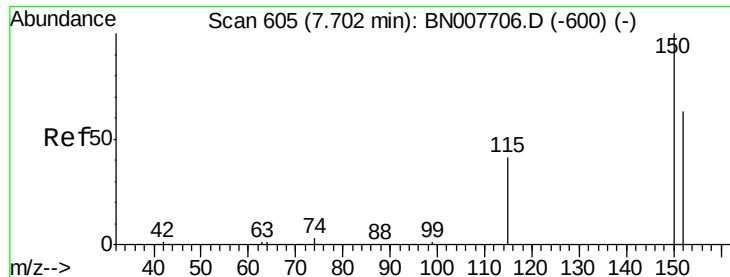
Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

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Quant Time: Sep 26 09:08:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 18 18:24:40 2019  
Response via : Initial Calibration





#1

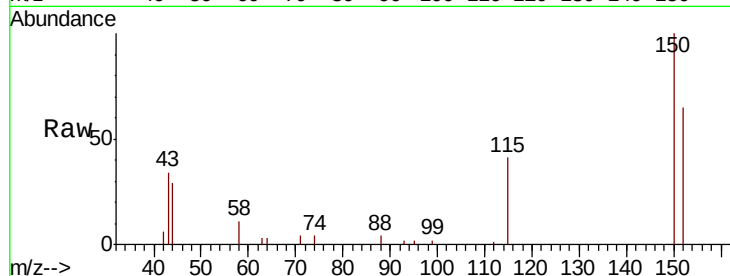
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.69 min Scan# 604  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 125.6 | 188.4 |
| 115     | 63.6  | 53.3  | 79.9  |

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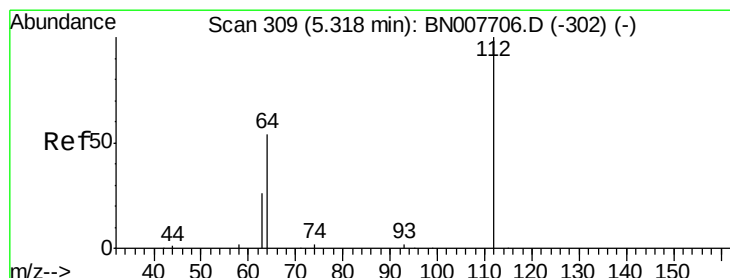
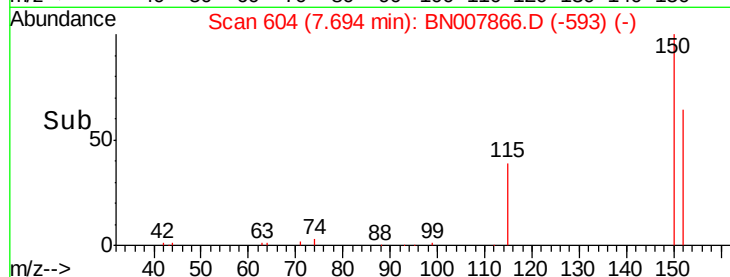
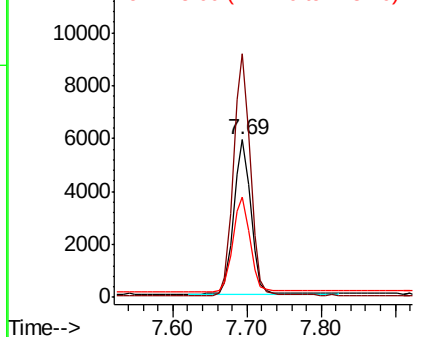


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

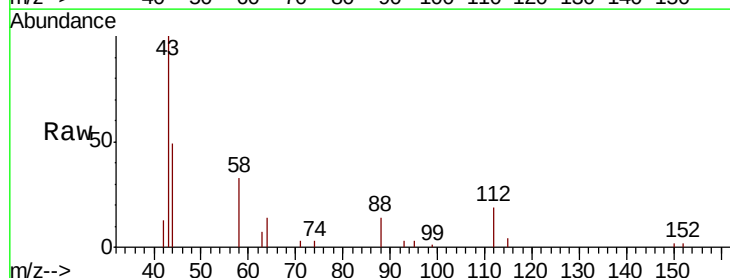
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol  
Concen: 0.042 ng  
RT: 5.31 min Scan# 308  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.9  | 46.6  | 70.0  |
| 63      | 27.9  | 23.1  | 34.7  |

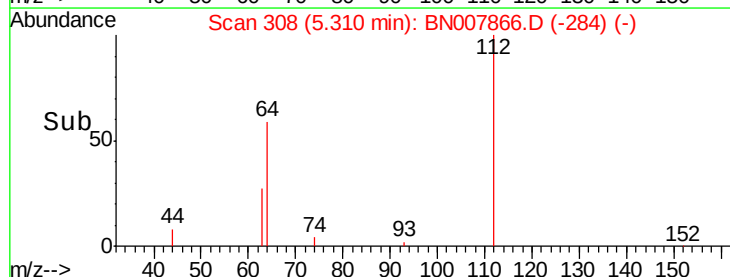
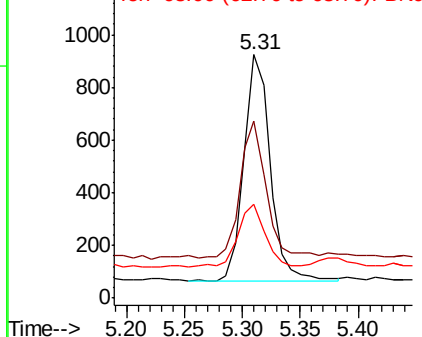


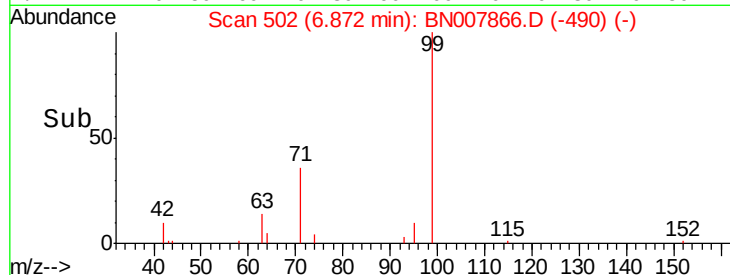
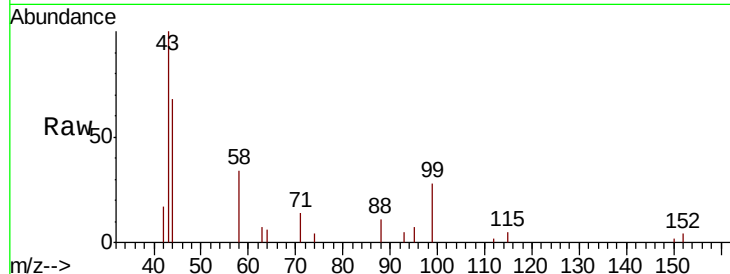
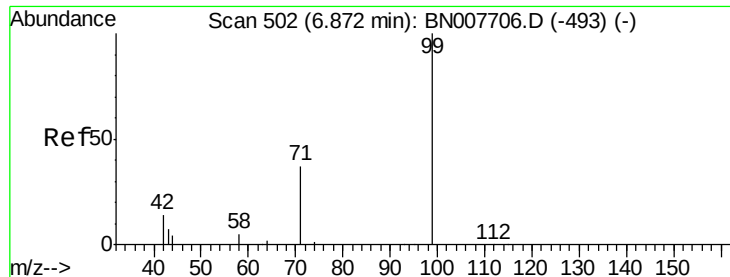
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.038 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

Instrument :

BNA\_N

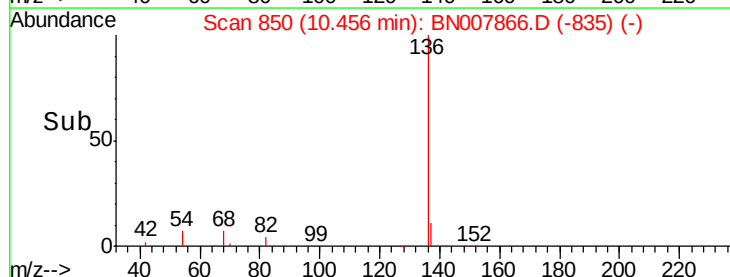
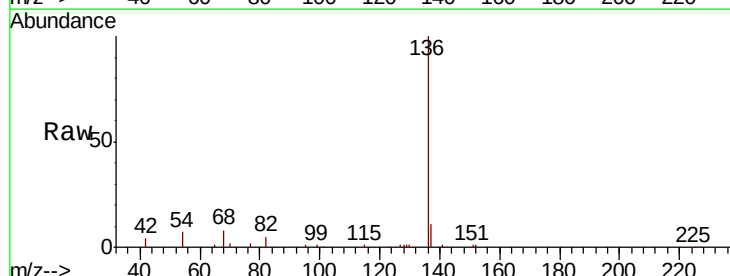
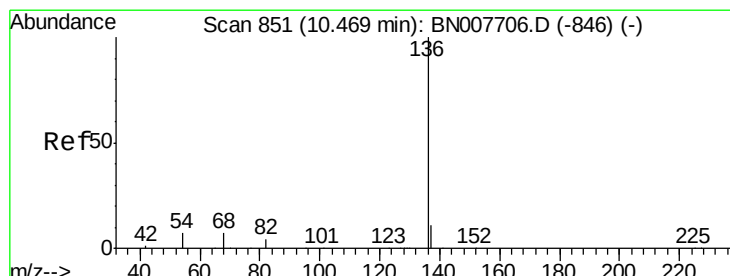
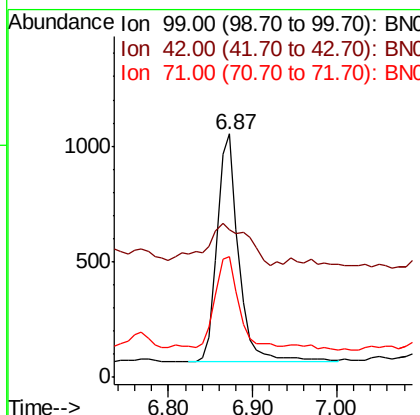
ClientSampleId :

PST-B057-091919-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 1739  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 36.7  | 12.8  | 19.2# |
| 71        | 42.2  | 27.6  | 41.4# |

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#7

Naphthalene-d8

Concen: 0.400 ng

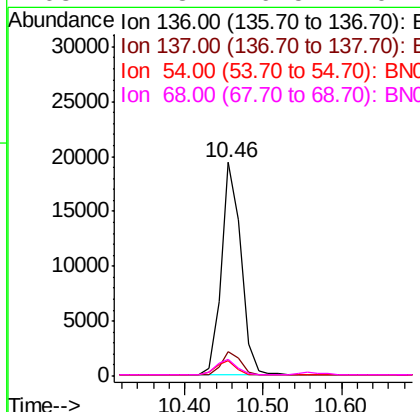
RT: 10.46 min Scan# 850

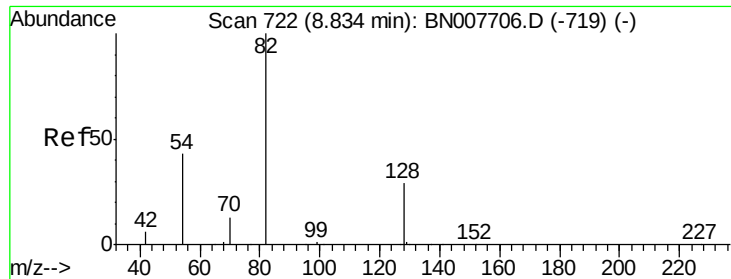
Delta R.T. -0.01 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 34094 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.2   | 13.8  |
| 54        | 7.1   | 5.8   | 8.8   |
| 68        | 7.8   | 6.5   | 9.7   |





#8

Nitrobenzene-d5

Concen: 0.052 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

Instrument :

BNA\_N

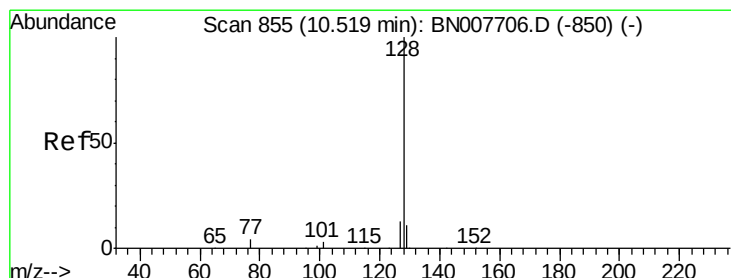
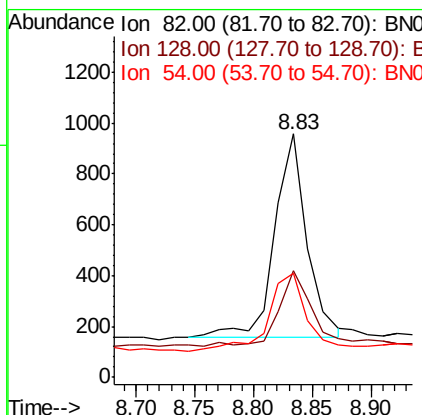
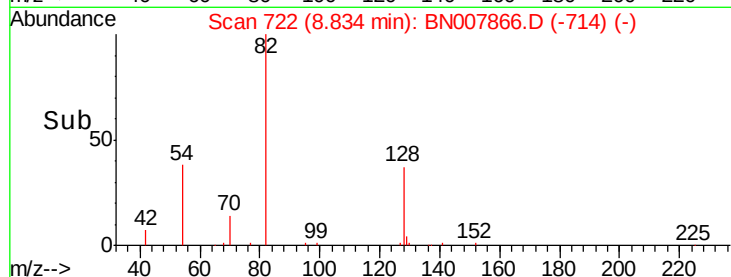
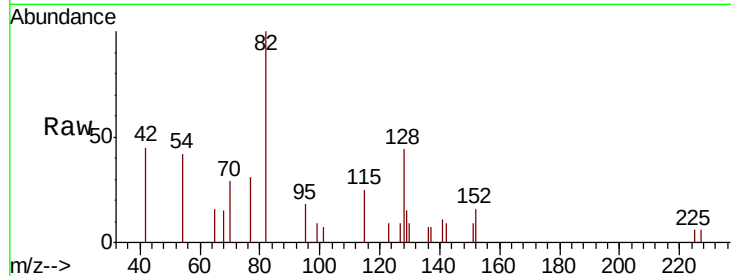
ClientSampleId :

PST-B057-091919-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 82    | Resp: | 1546  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 43.8  | 24.5  | 36.7# |
| 54        | 42.5  | 35.2  | 52.8  |

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#9

Naphthalene

Concen: 0.026 ng

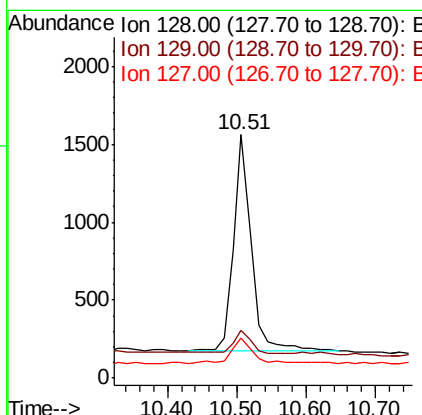
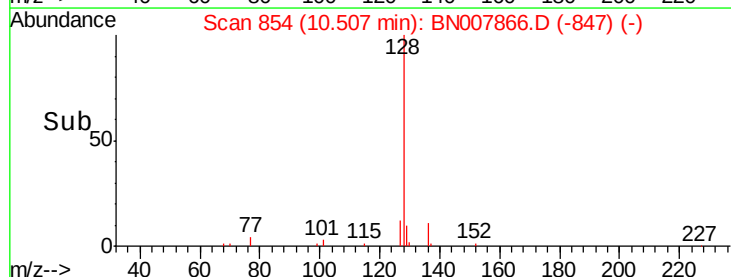
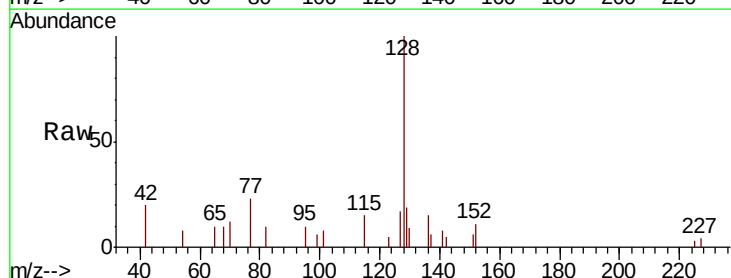
RT: 10.51 min Scan# 854

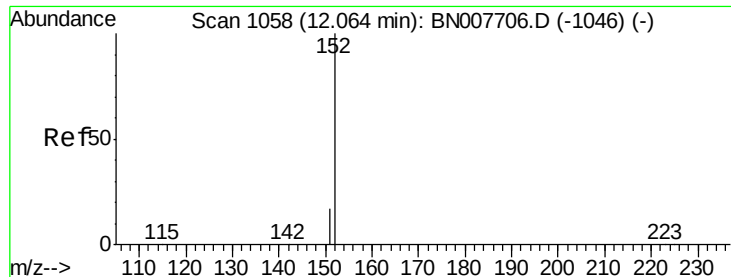
Delta R.T. -0.01 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 2504  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 19.4  | 9.1   | 13.7# |
| 127       | 16.7  | 10.6  | 15.8# |





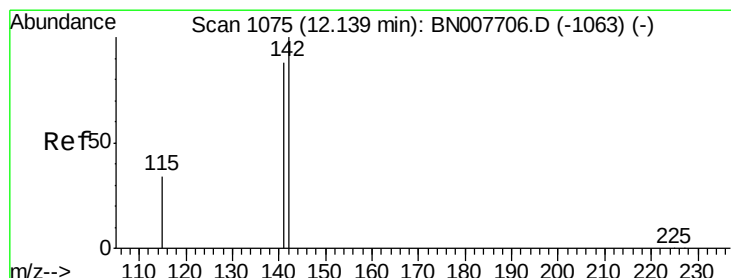
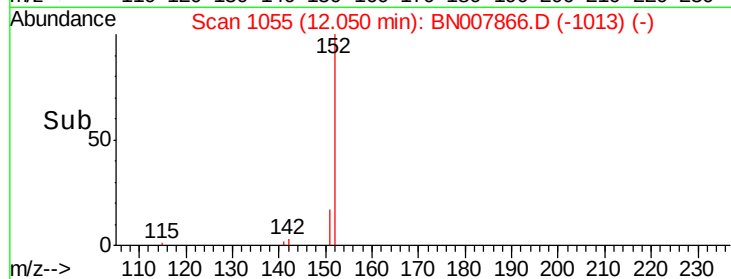
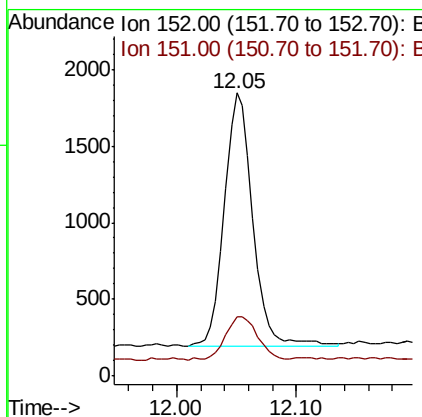
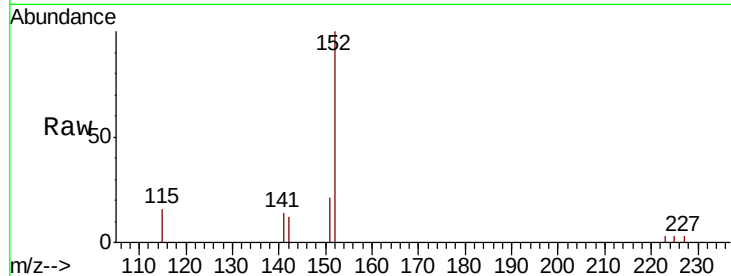
#11  
2-Methylnaphthalene-d10  
Concen: 0.048 ng  
RT: 12.05 min Scan# 1055  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 152     | 100  |       | 2737 |       |       |
| 151     | 19.2 | 15.4  | 23.2 |       |       |

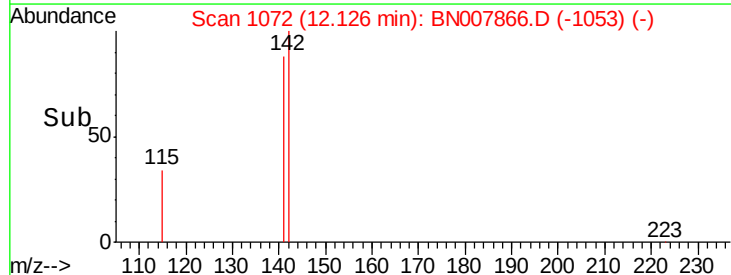
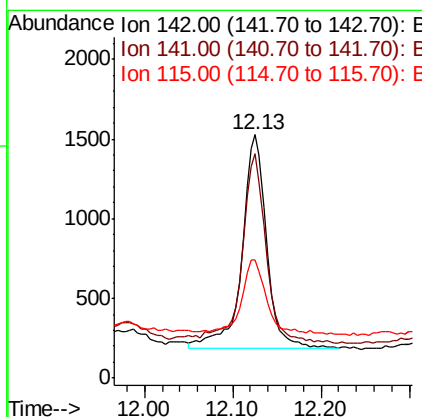
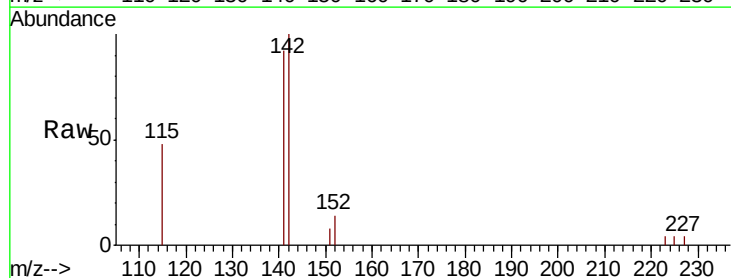
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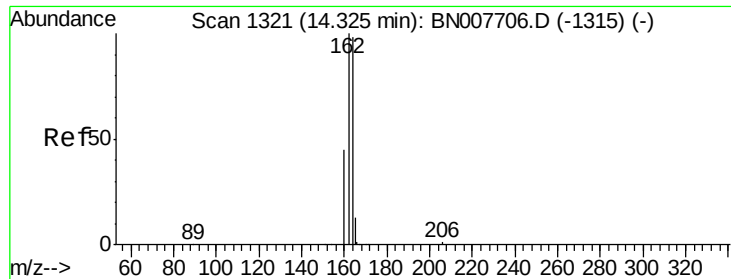
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#12  
2-Methylnaphthalene  
Concen: 0.040 ng  
RT: 12.13 min Scan# 1072  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 142     | 100  |       | 2566  |       |       |
| 141     | 92.0 | 70.6  | 106.0 |       |       |
| 115     | 48.5 | 28.3  | 42.5# |       |       |





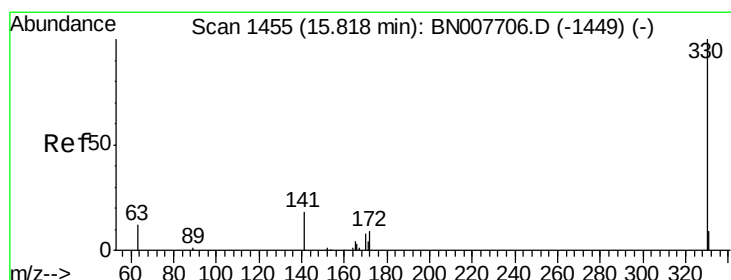
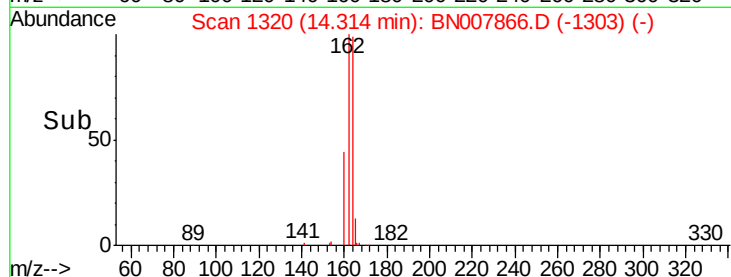
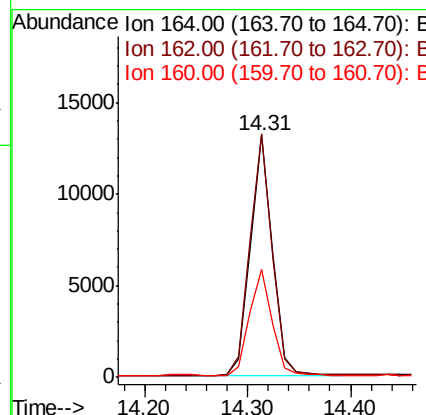
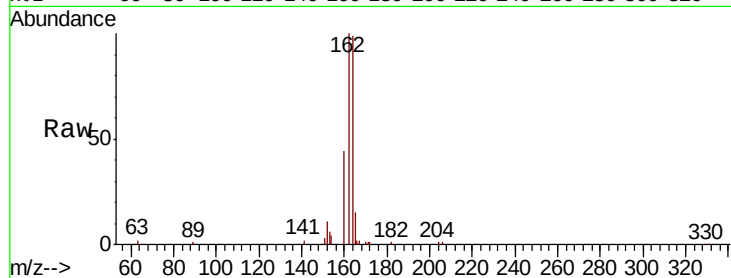
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.31 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.7 | 81.7  | 122.5 |
| 160     | 44.4  | 37.0  | 55.4  |

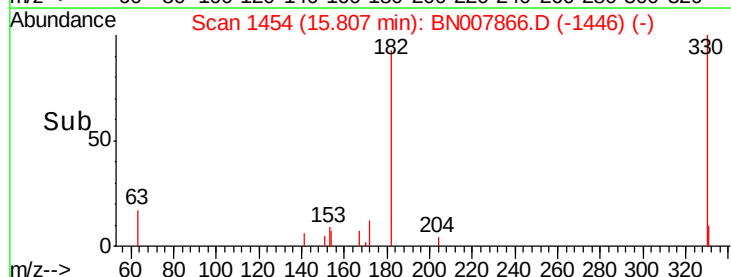
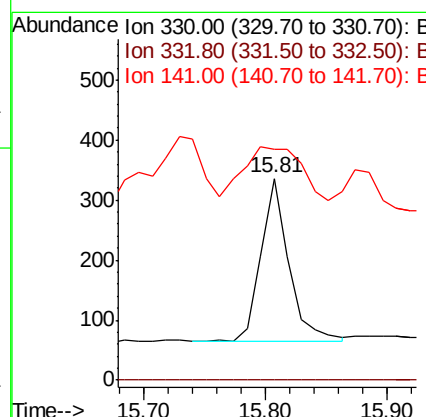
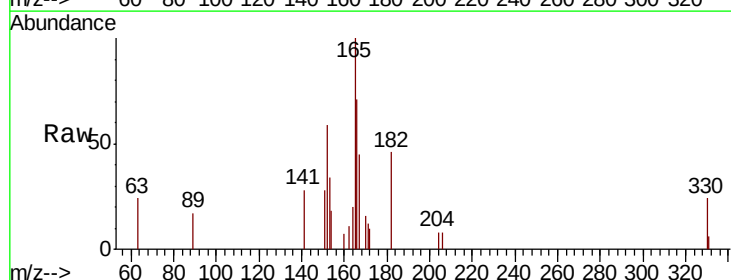
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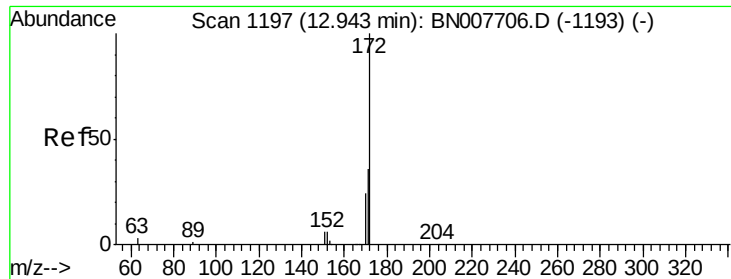
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#14  
2,4,6-Tribromophenol  
Concen: 0.042 ng  
RT: 15.81 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 70.2  | 28.7  | 43.1# |





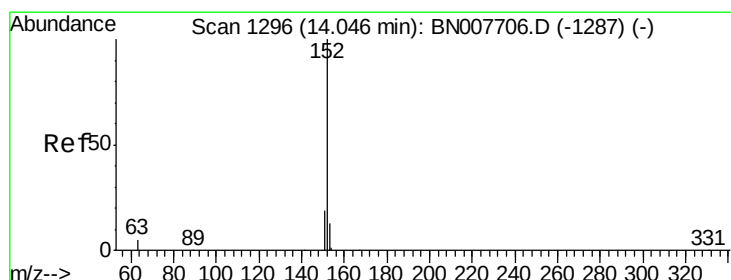
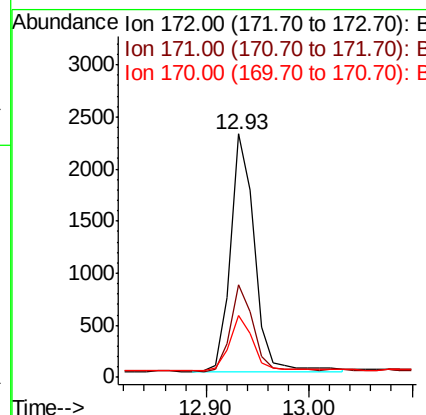
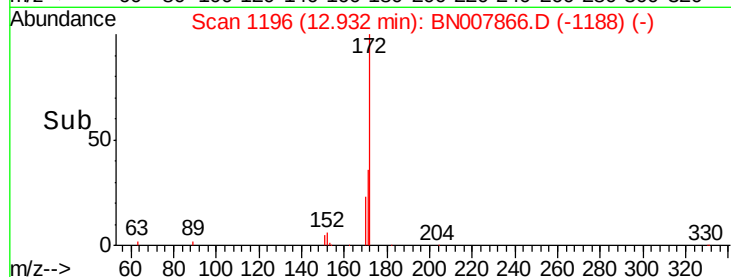
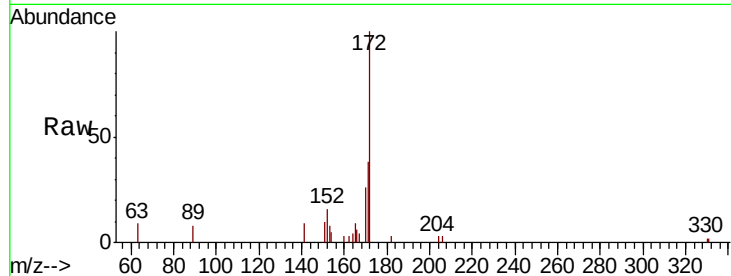
#15  
2-Fluorobiphenyl  
Concen: 0.046 ng  
RT: 12.93 min Scan# 1196  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 28.8  | 43.2  |
| 170     | 25.6  | 19.5  | 29.3  |

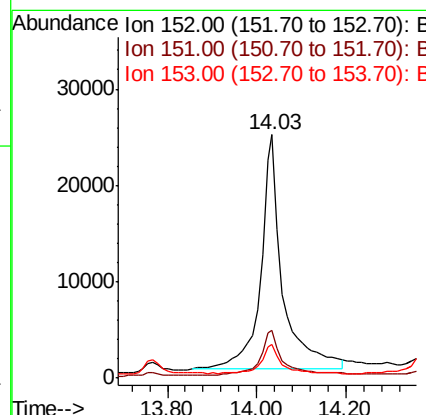
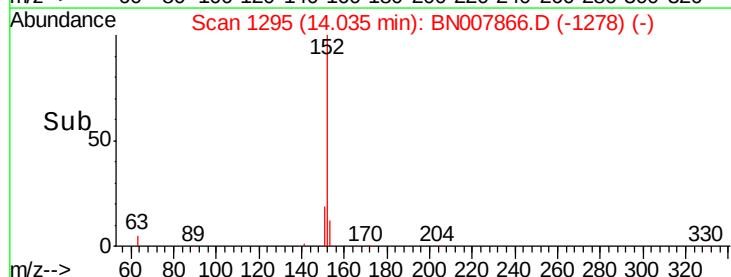
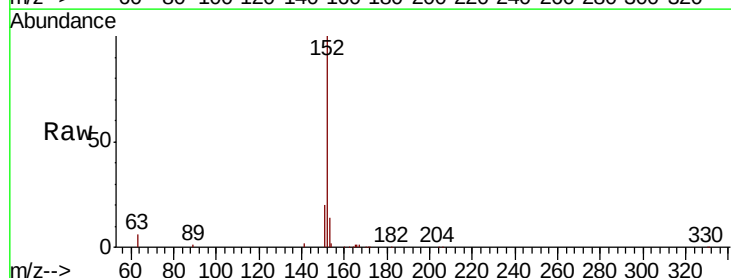
Manual Integrations  
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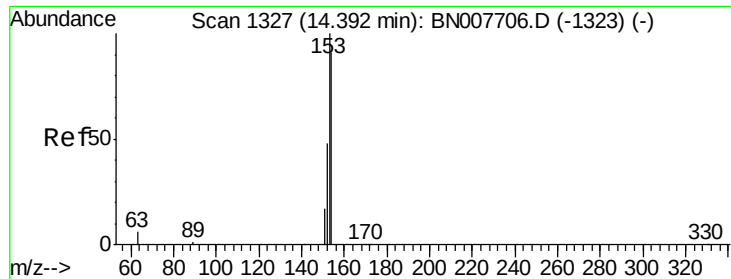


#16  
Acenaphthylene  
Concen: 0.823 ng  
RT: 14.03 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.8  | 15.5  | 23.3  |
| 153     | 11.2  | 10.4  | 15.6  |







#17

Acenaphthene

Concen: 0.092 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

Instrument :

BNA\_N

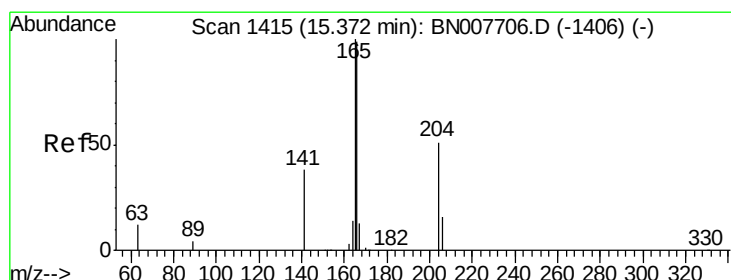
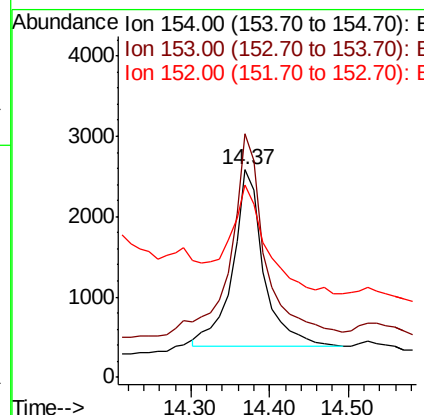
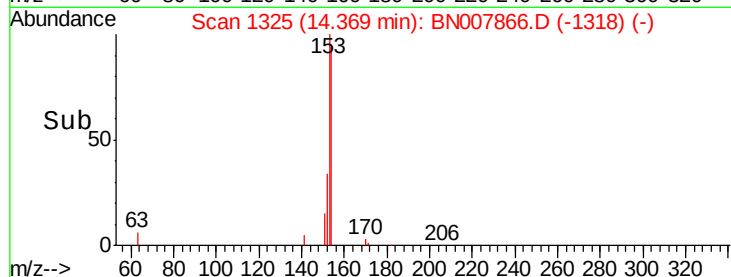
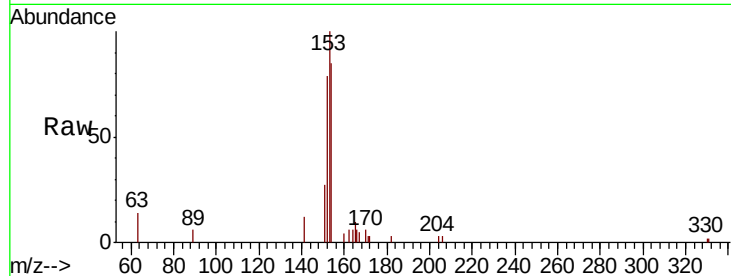
ClientSampleId :

PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.3 | 87.0  | 130.4 |
| 152     | 70.9  | 42.7  | 64.1  |

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#18

Fluorene

Concen: 0.146 ng

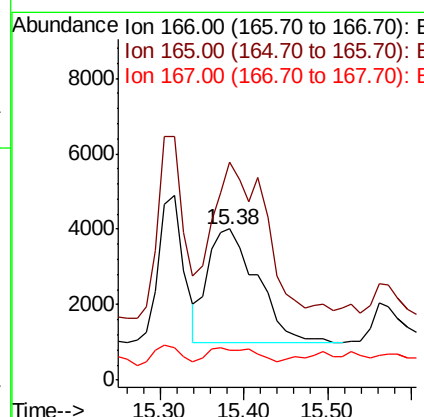
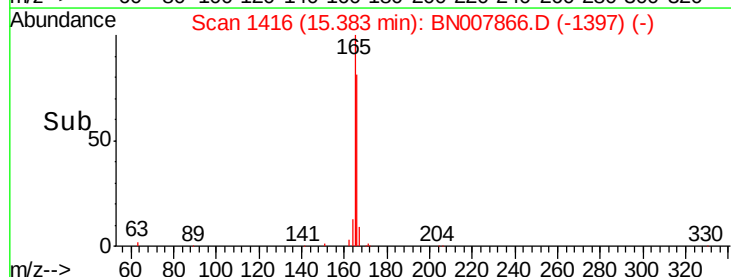
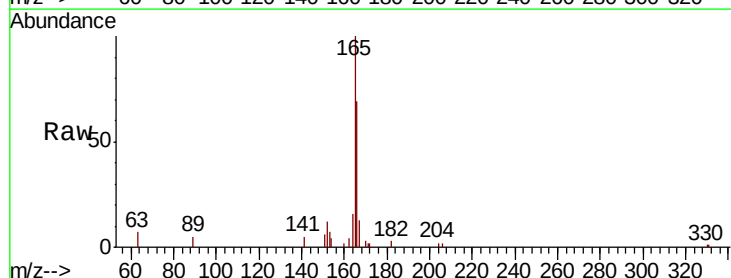
RT: 15.38 min Scan# 1416

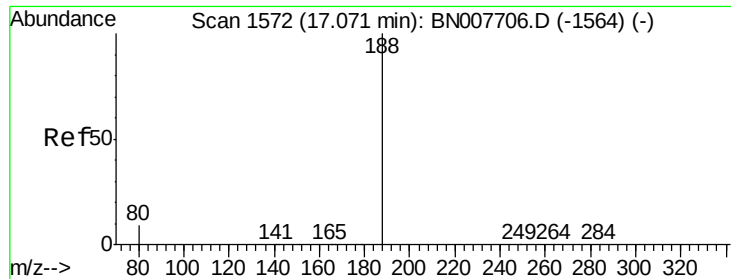
Delta R.T. 0.01 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 140.1 | 78.0  | 117.0 |
| 167     | 11.3  | 10.9  | 16.3  |





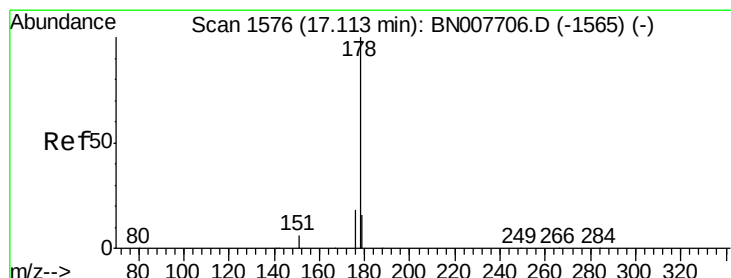
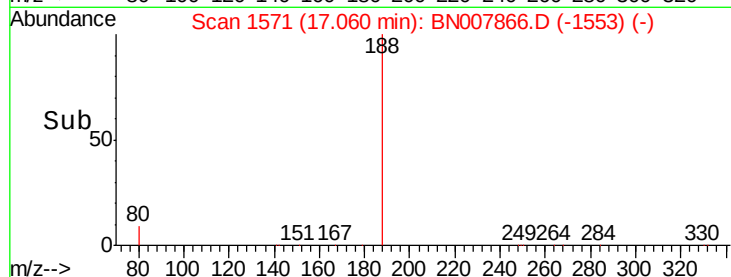
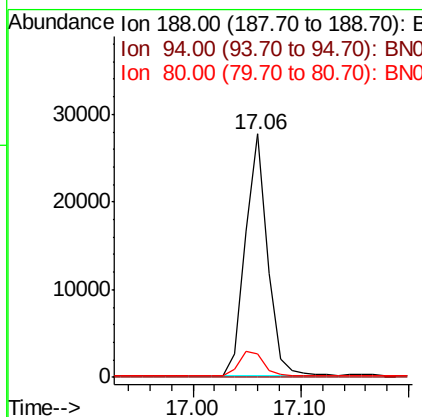
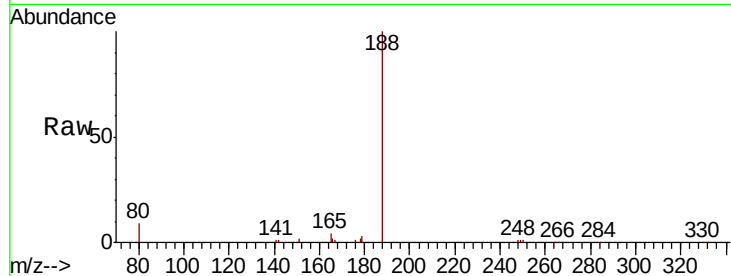
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.06 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 39574 |       |       |
| 94      | 0.0   | 0.0   | 0.0   | 0.0   |
| 80      | 9.4   | 7.4   | 11.2  |       |

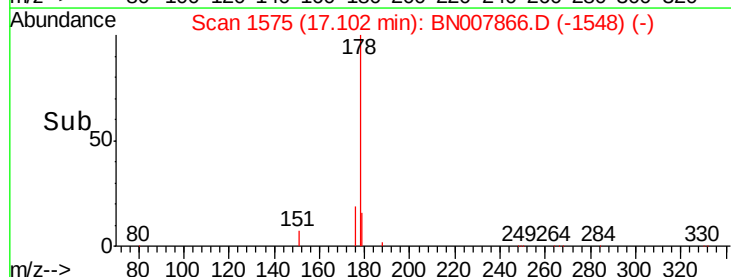
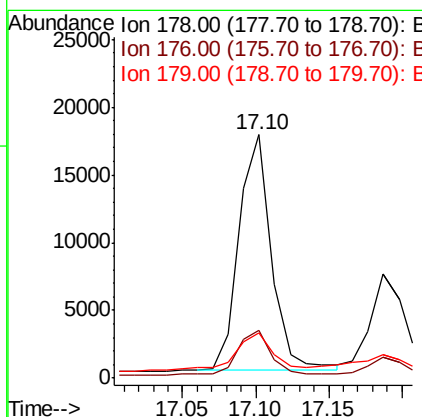
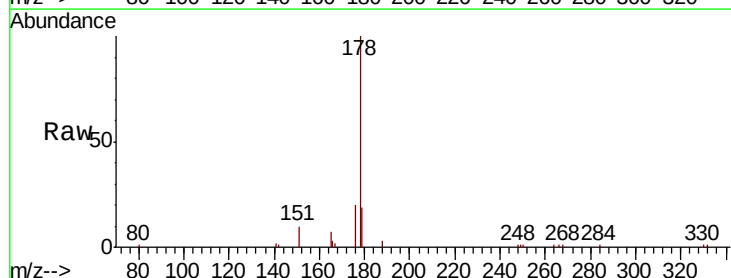
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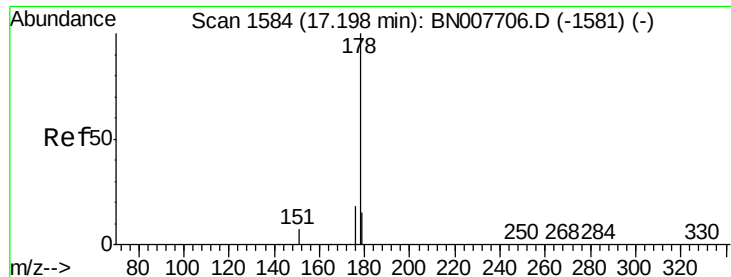
mohammad  
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#23  
Phenanthrene  
Concen: 0.219 ng m  
RT: 17.10 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 178     | 100   | 27022 |       |       |
| 176     | 7.8   | 14.9  | 22.3# |       |
| 179     | 7.1   | 12.5  | 18.7# |       |





#24

Anthracene

Concen: 0.091 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

Instrument :

BNA\_N

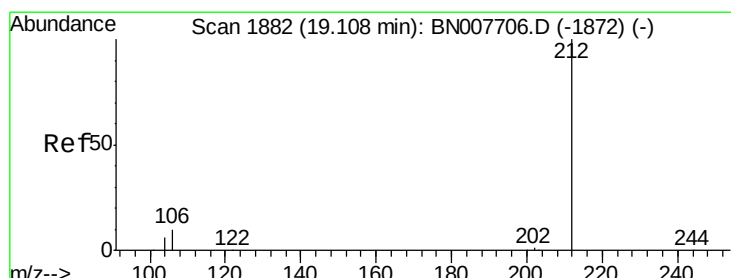
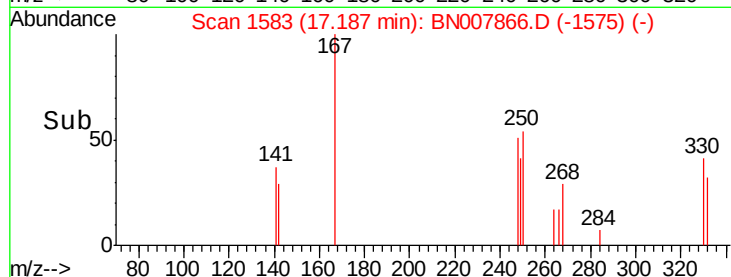
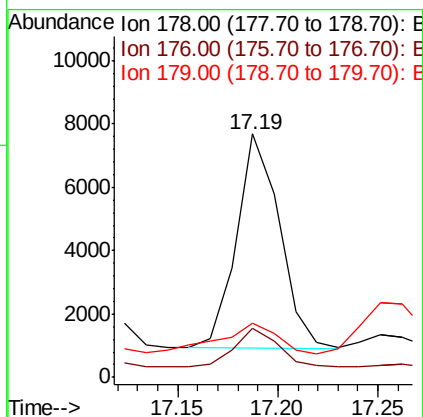
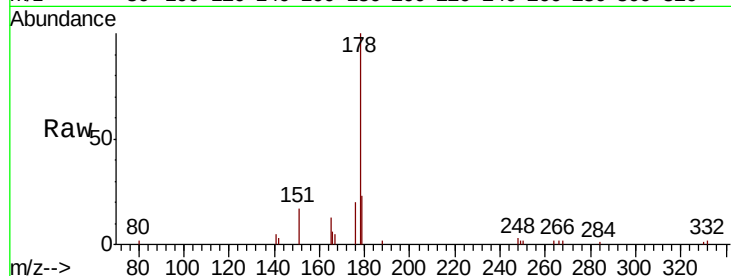
ClientSampleId :

PST-B057-091919-1

|             |       |            |
|-------------|-------|------------|
| Tot Ion:178 | Resp: | 10108      |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 176         | 18.5  | 14.6 21.8  |
| 179         | 18.9  | 12.2 18.4# |

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#25

Fluoranthene-d10

Concen: 0.045 ng

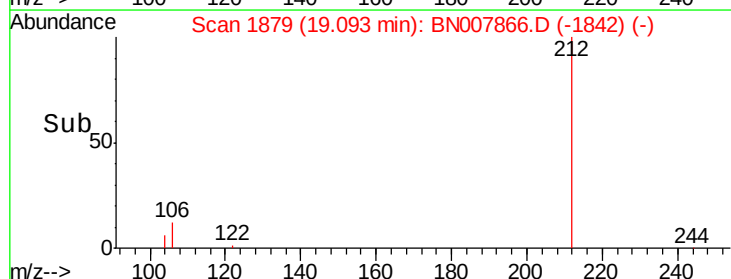
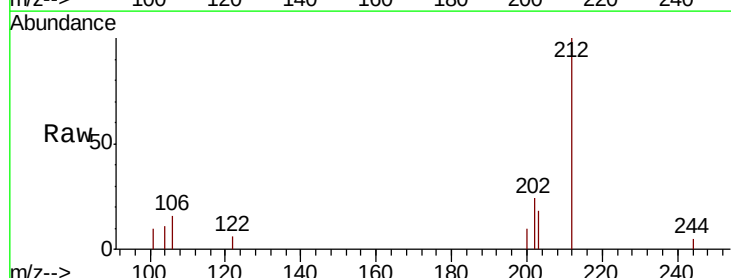
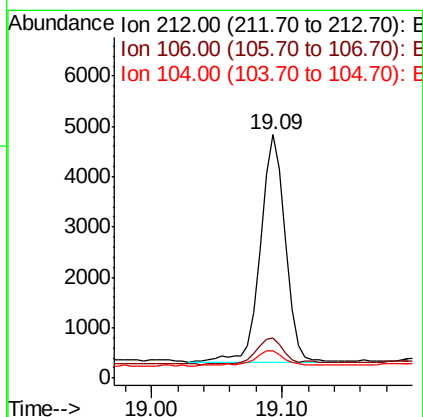
RT: 19.09 min Scan# 1879

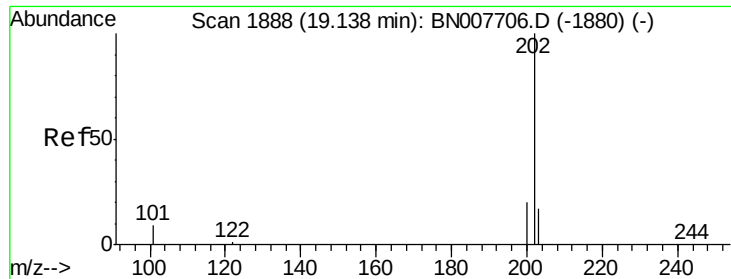
Delta R.T. -0.01 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:212 | Resp: | 6029     |
| Ion Ratio   | Lower | Upper    |
| 212         | 100   |          |
| 106         | 11.5  | 9.4 14.0 |
| 104         | 8.6   | 5.3 7.9# |





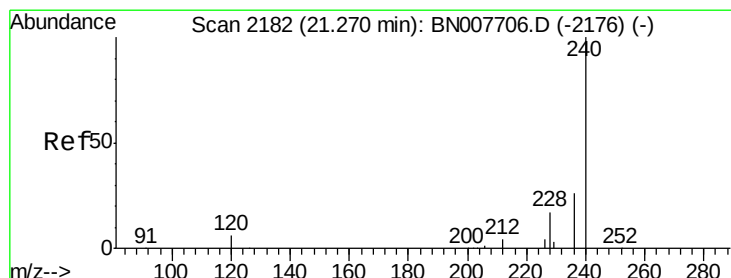
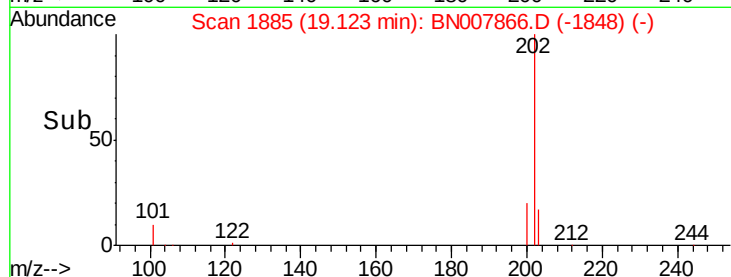
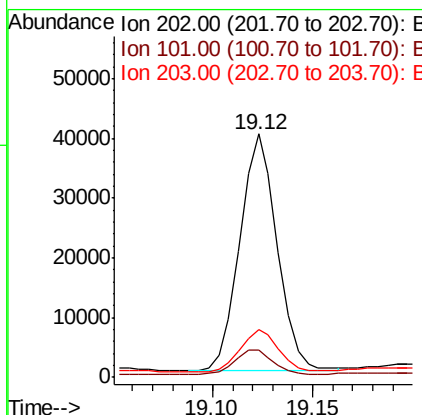
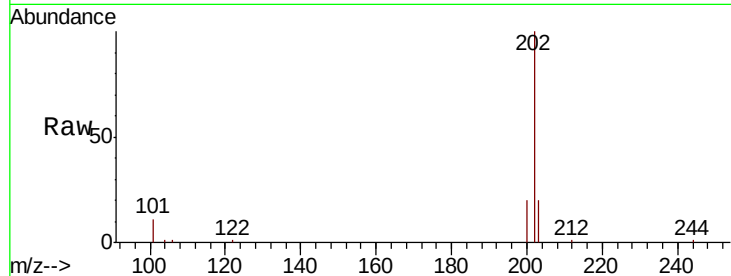
#26  
**Fluoranthene**  
 Concen: 0.336 ng  
 RT: 19.12 min Scan# 1885  
 Delta R.T. -0.01 min  
 Lab File: BN007866.D  
 Acq: 25 Sep 2019 22:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.8  | 8.4   | 12.6  |
| 203     | 18.4  | 13.8  | 20.8  |

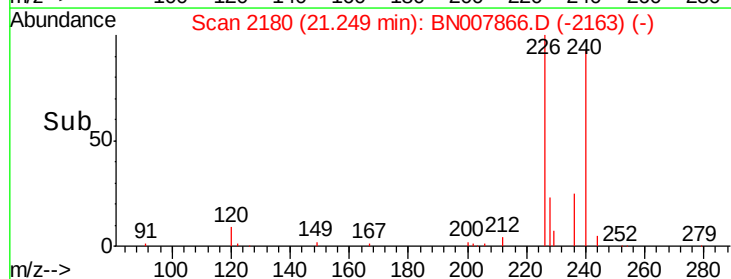
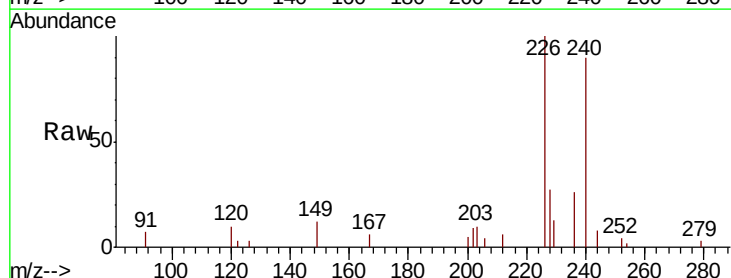
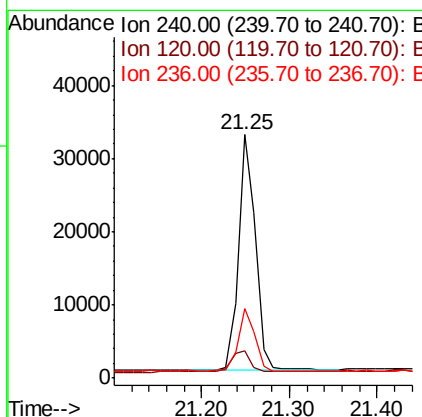
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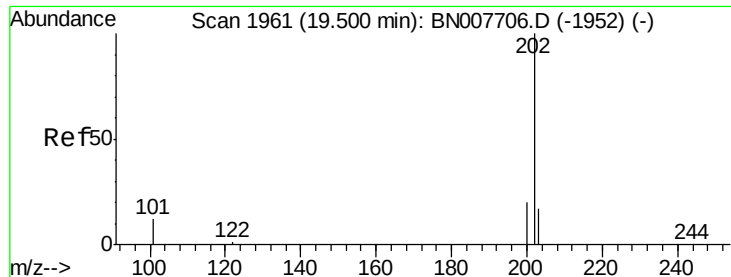
mohammad  
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#27  
**Chrysene-d12**  
 Concen: 0.400 ng  
 RT: 21.25 min Scan# 2180  
 Delta R.T. -0.02 min  
 Lab File: BN007866.D  
 Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.3  | 5.4   | 8.2#  |
| 236     | 28.4  | 21.0  | 31.4  |





#28

Pvrene

Concen: 0.514 ng/mL

RT: 19.49 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

Instrument:

BNA\_N

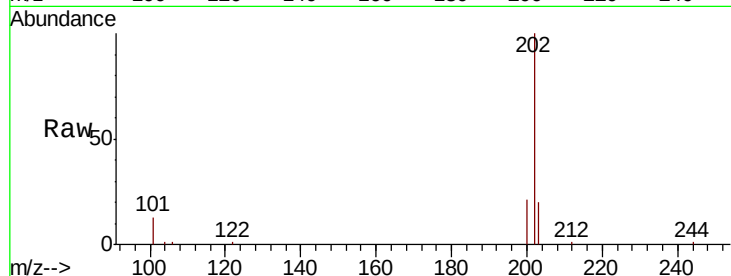
ClientSampleID:

PST-B057-091919-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 75316 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 7.2   | 16.4  | 24.6# |
| 203       | 6.8   | 14.1  | 21.1# |

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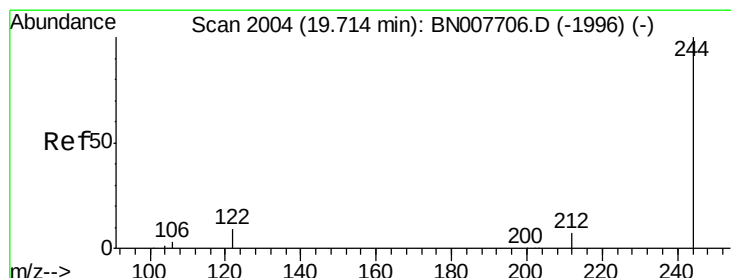
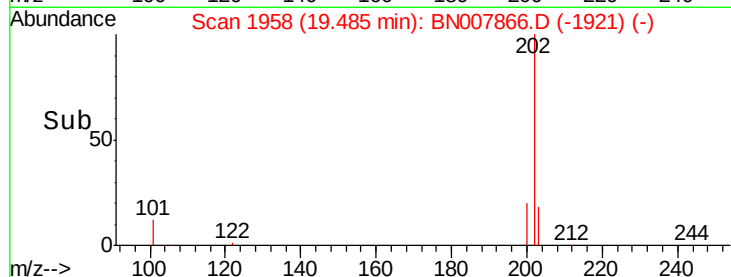
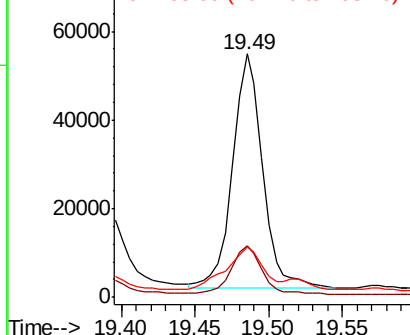


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.049 ng/mL

RT: 19.70 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

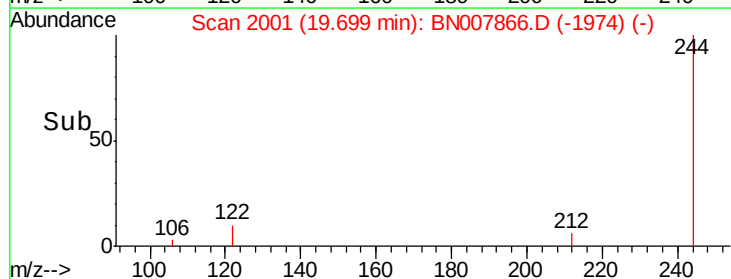
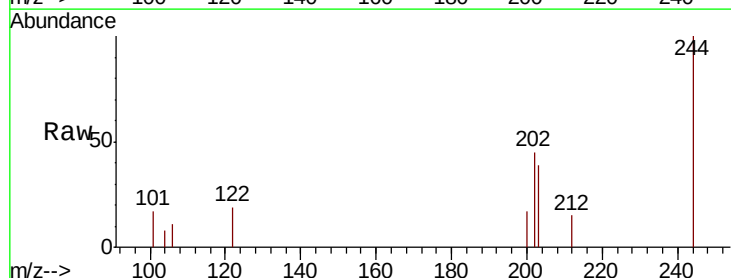
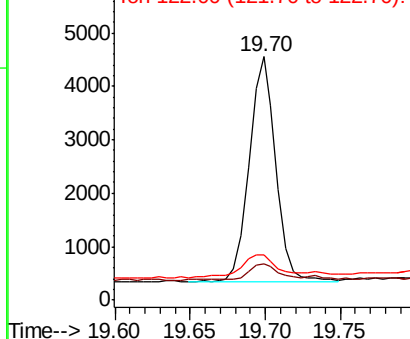
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 5152  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 14.9  | 5.9   | 8.9#  |
| 122       | 18.7  | 7.4   | 11.2# |

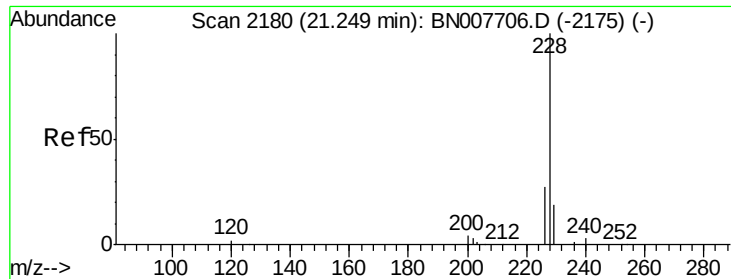
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





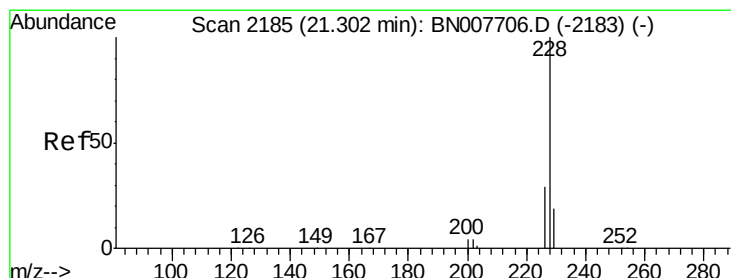
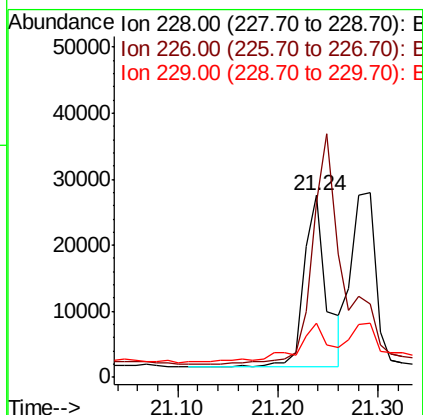
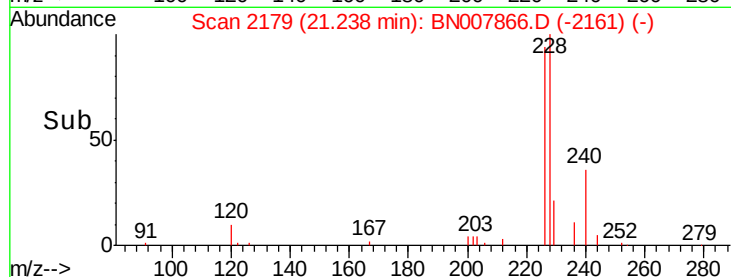
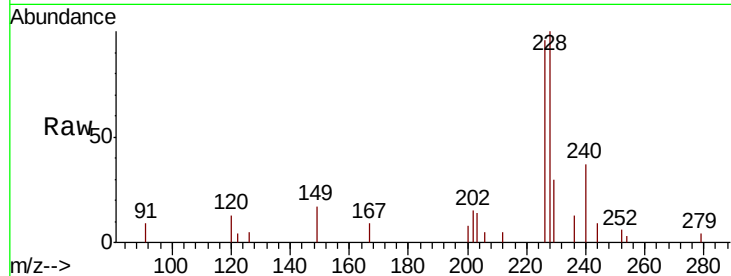
#30  
Benzo(a)anthracene  
Concen: 0.259 ng  
RT: 21.24 min Scan# 2179  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 96.2  | 22.1  | 33.1# |
| 229     | 30.0  | 15.8  | 23.6# |

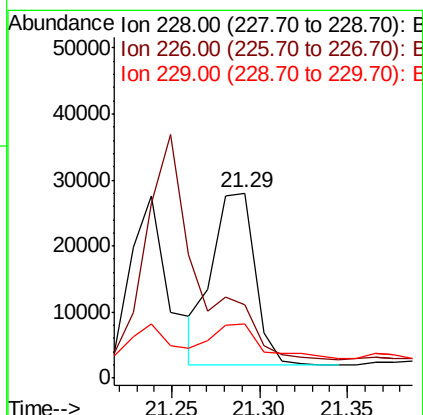
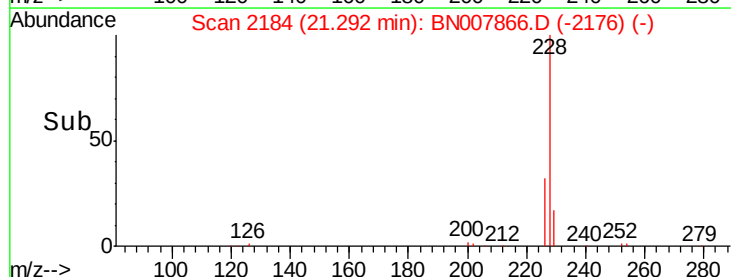
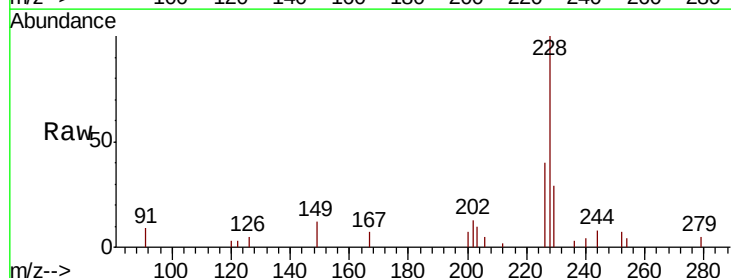
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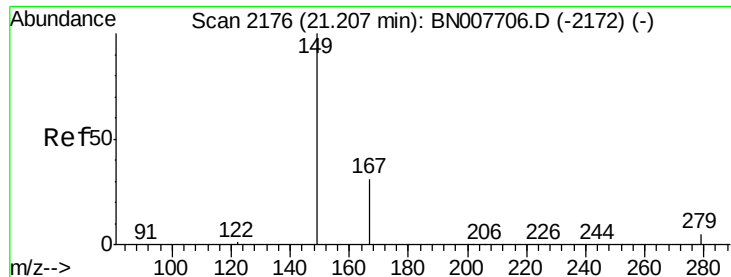
mohammad  
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#31  
Chrysene  
Concen: 0.286 ng  
RT: 21.29 min Scan# 2184  
Delta R.T. -0.01 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 39.7  | 23.9  | 35.9# |
| 229     | 29.5  | 15.8  | 23.6# |





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.445 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

Instrument :

BNA\_N

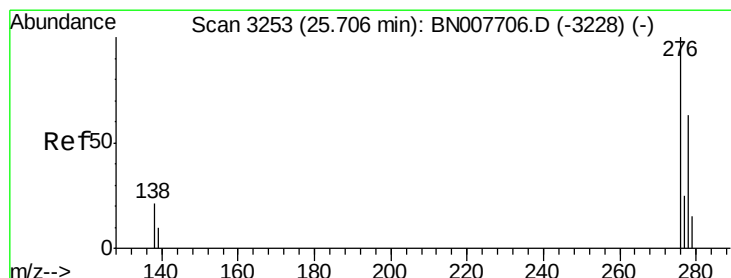
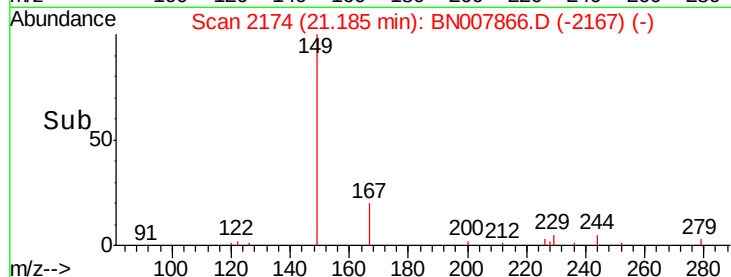
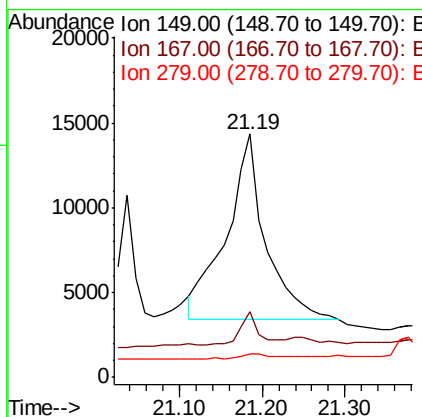
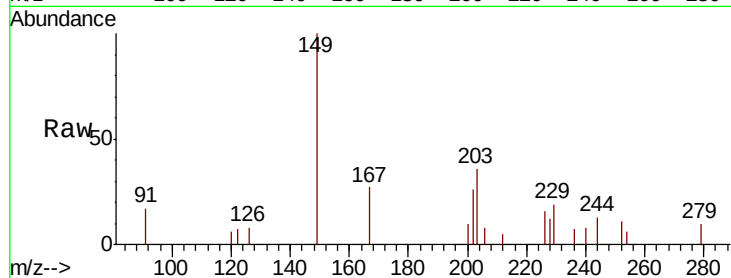
ClientSampleId :

PST-B057-091919-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 36168 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 8.1   | 23.7  | 35.5# |
| 279       | 2.0   | 4.2   | 6.2#  |

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.146 ng m

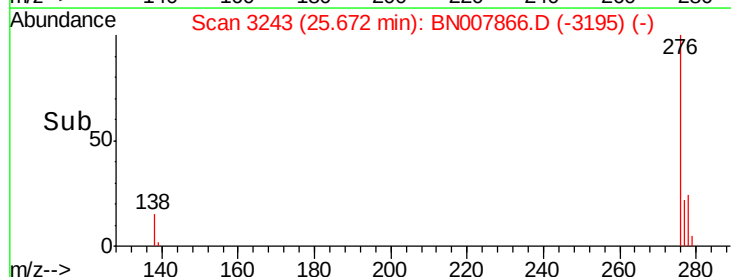
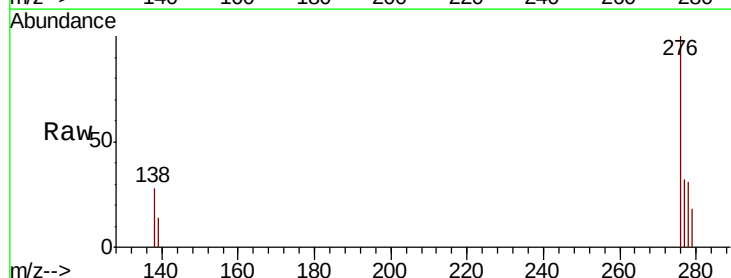
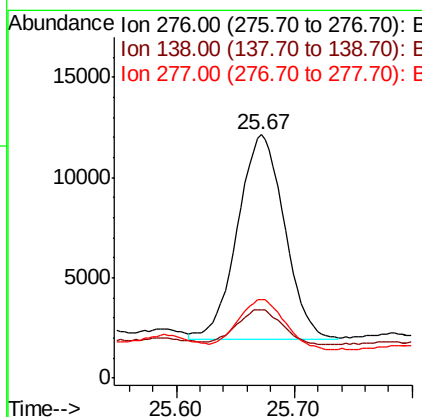
RT: 25.67 min Scan# 3243

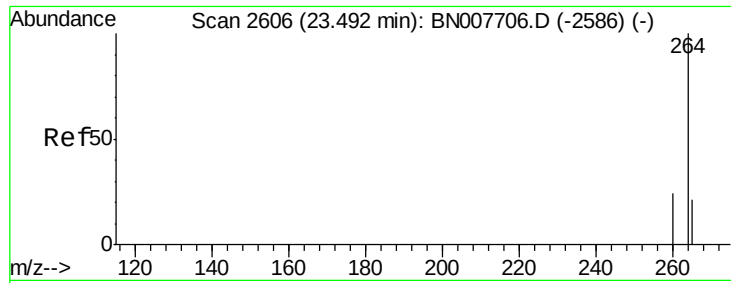
Delta R.T. -0.03 min

Lab File: BN007866.D

Acq: 25 Sep 2019 22:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 28168 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 0.7   | 17.1  | 25.7# |
| 277       | 1.0   | 20.0  | 30.0# |





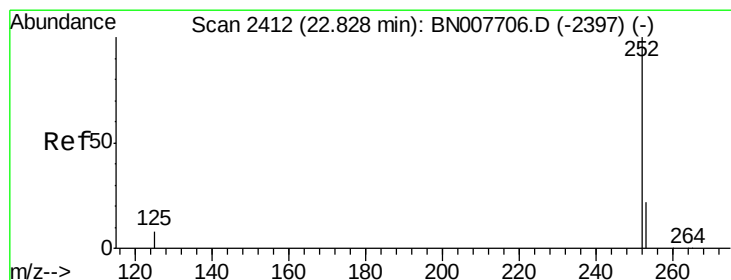
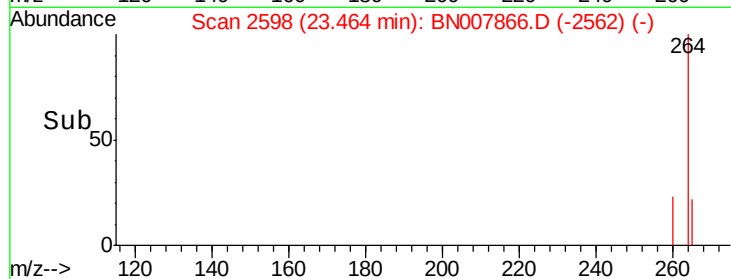
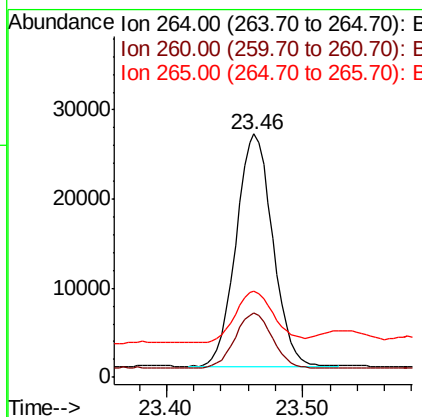
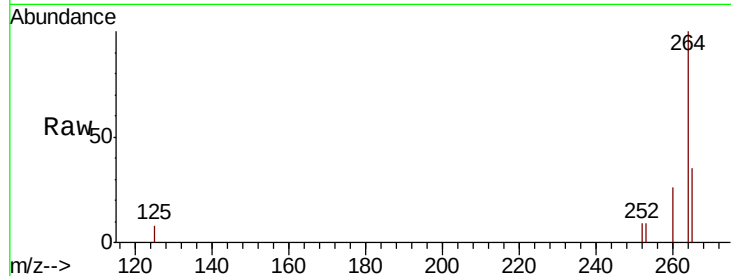
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.46 min Scan# 2598  
Delta R.T. -0.03 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.5  | 19.3  | 28.9  |
| 265     | 35.2  | 26.9  | 40.3  |

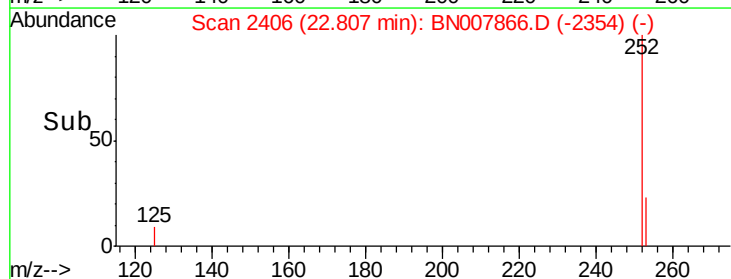
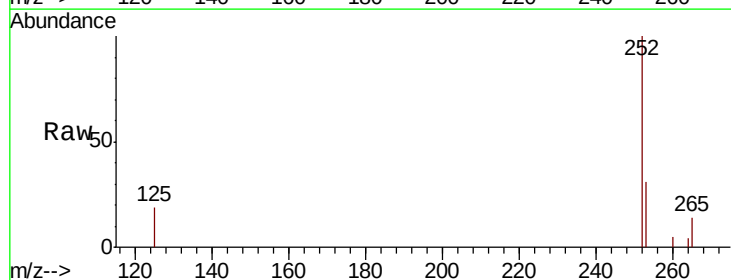
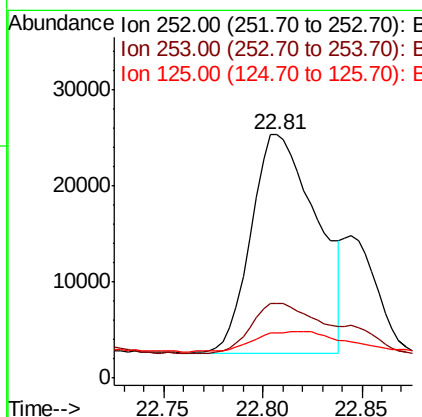
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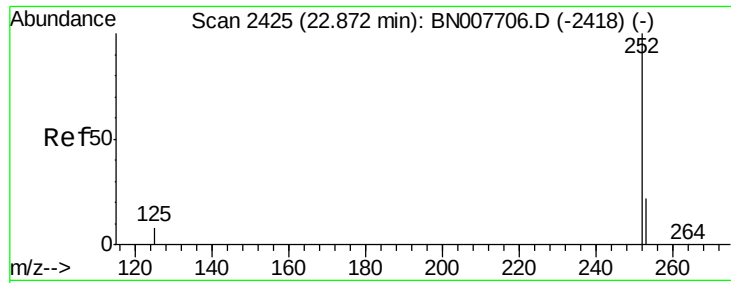


#35  
Benzo(b)fluoranthene  
Concen: 0.311 ng  
RT: 22.81 min Scan# 2406  
Delta R.T. -0.02 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.8  | 18.3  | 27.5# |
| 125     | 18.6  | 8.2   | 12.4# |







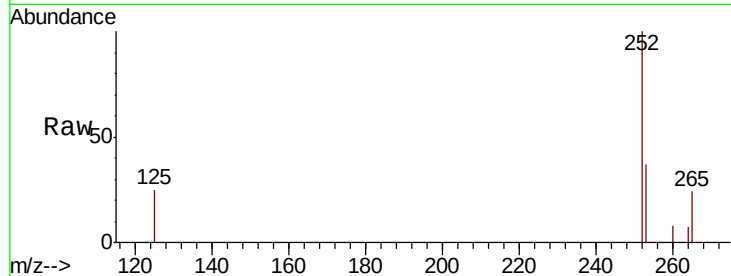
#36  
Benzo(k)fluoranthene  
Concen: 0.087 ng m  
RT: 22.84 min Scan# 2417  
Delta R.T. -0.03 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 36.9  | 18.5  | 27.7# |
| 125     | 25.4  | 8.4   | 12.6# |

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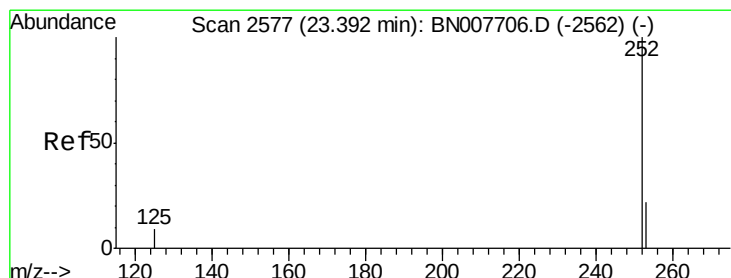
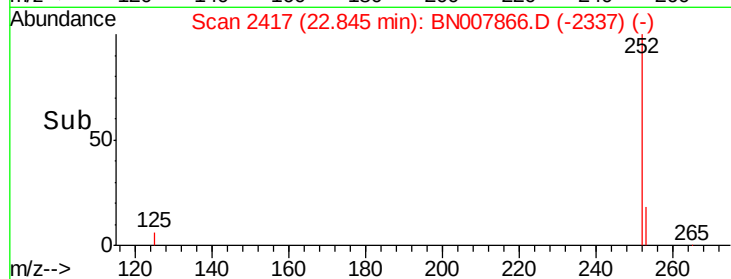
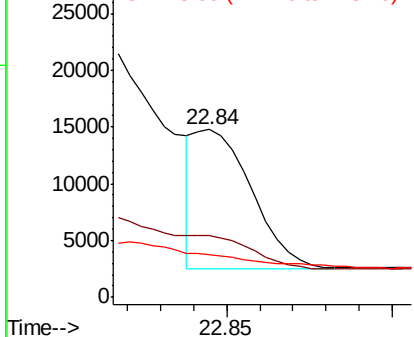


Abundance

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



#37  
Benzo(a)pyrene  
Concen: 0.248 ng  
RT: 23.37 min Scan# 2570  
Delta R.T. -0.02 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

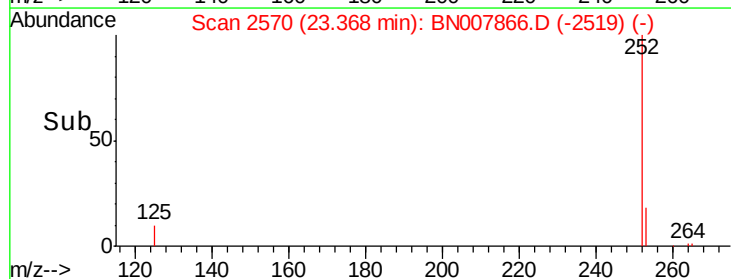
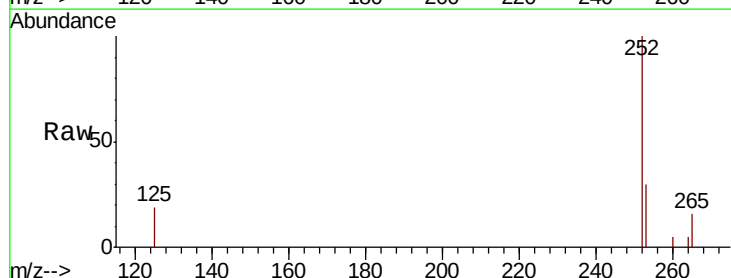
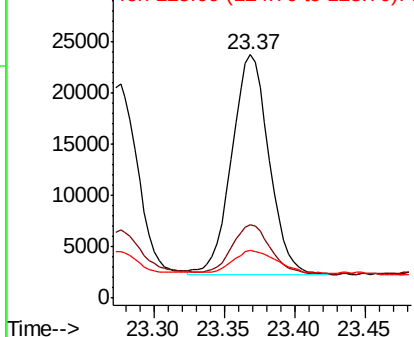
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.2  | 18.6  | 27.8# |
| 125     | 19.4  | 9.4   | 14.0# |

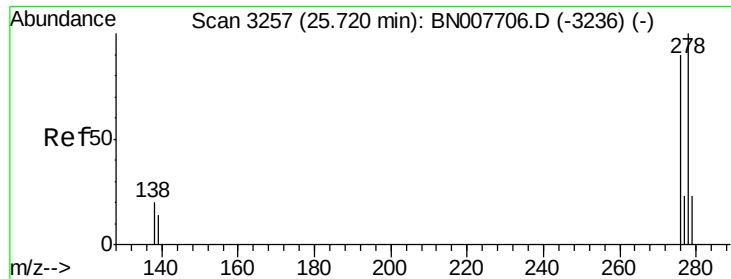
Abundance

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





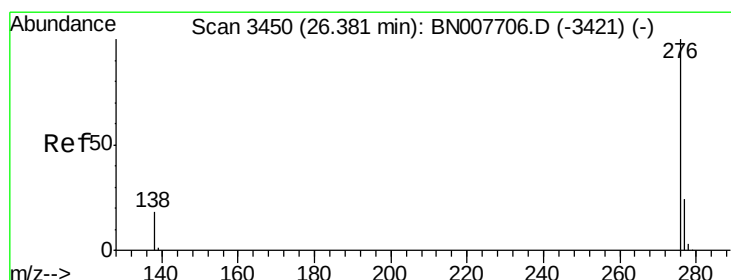
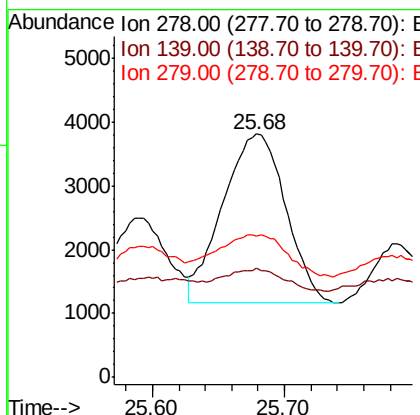
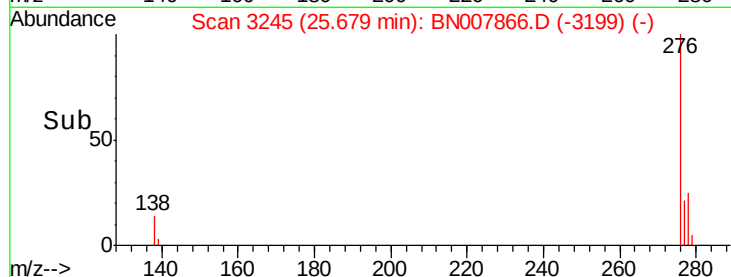
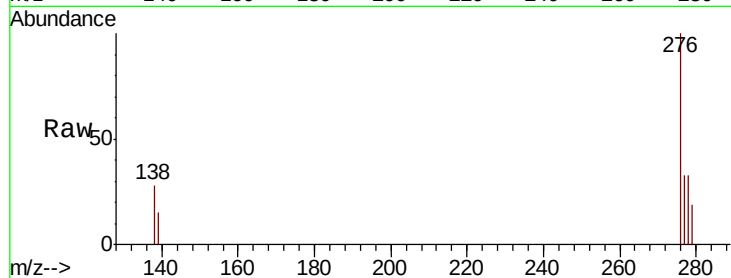
#38  
Dibenzo(a,h)anthracene  
Concen: 0.054 ng  
RT: 25.68 min Scan# 3245  
Delta R.T. -0.04 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B057-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 44.8  | 11.8  | 17.6# |
| 279     | 58.1  | 19.4  | 29.2# |

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#39  
Benzo(g,h,i)perylene  
Concen: 0.216 ng  
RT: 26.35 min Scan# 3440  
Delta R.T. -0.03 min  
Lab File: BN007866.D  
Acq: 25 Sep 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 31.1  | 19.8  | 29.8# |
| 138     | 28.0  | 15.1  | 22.7# |

