

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\  
 Data File : BN010483.D  
 Acq On : 14 Apr 2020 17:53  
 Operator : CG/JU  
 Sample : PB128219BSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB128219BSD

Manual Integrations  
 APPROVED

mohammad  
 4/15/2020 3:32:25 PM

Quant Time: Apr 14 18:43:49 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 13 18:04:22 2020

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 4261     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.37 | 136  | 16689    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.22 | 164  | 10589    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.97 | 188  | 24254    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.17 | 240  | 20511    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.35 | 264  | 18401    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.25  | 112 | 3280  | 0.35 | ng | 0.00  |
| 5) Phenol-d6                | 6.79  | 99  | 4004  | 0.33 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.73  | 82  | 3916  | 0.34 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.96 | 152 | 9687m | 0.35 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.73 | 330 | 1400  | 0.28 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.84 | 172 | 13410 | 0.35 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.01 | 212 | 22086 | 0.30 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.62 | 244 | 17185 | 0.37 | ng | 0.00  |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.24  | 88  | 1157  | 0.369 | ng | 95     |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 1160  | 0.570 | ng | # 82   |
| 6) bis(2-Chloroethyl)ether     | 7.04  | 93  | 4863  | 0.460 | ng | 99     |
| 9) Naphthalene                 | 10.41 | 128 | 19186 | 0.463 | ng | 99     |
| 10) Hexachlorobutadiene        | 10.71 | 225 | 4345  | 0.435 | ng | # 99   |
| 12) 2-Methylnaphthalene        | 12.03 | 142 | 14037 | 0.471 | ng | 97     |
| 16) Acenaphthylene             | 13.95 | 152 | 20739 | 0.453 | ng | 100    |
| 17) Acenaphthene               | 14.29 | 154 | 13246 | 0.451 | ng | 99     |
| 18) Fluorene                   | 15.28 | 166 | 17579 | 0.457 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.18 | 248 | 5749  | 0.427 | ng | # 92   |
| 21) Hexachlorobenzene          | 16.29 | 284 | 6870  | 0.447 | ng | 99     |
| 22) Pentachlorophenol          | 16.63 | 266 | 5994  | 0.991 | ng | 96     |
| 23) Phenanthrene               | 17.02 | 178 | 29333 | 0.448 | ng | 99     |
| 24) Anthracene                 | 17.10 | 178 | 26411 | 0.441 | ng | 100    |
| 26) Fluoranthene               | 19.04 | 202 | 35006 | 0.429 | ng | 100    |
| 28) Pyrene                     | 19.41 | 202 | 34874 | 0.505 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.16 | 228 | 29121 | 0.435 | ng | 99     |
| 31) Chrysene                   | 21.22 | 228 | 31444 | 0.472 | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 13428 | 0.391 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276 | 30022 | 0.509 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 22.71 | 252 | 27756 | 0.458 | ng | 99     |
| 36) Benzo(k)fluoranthene       | 22.75 | 252 | 28866 | 0.476 | ng | 100    |
| 37) Benzo(a)pyrene             | 23.26 | 252 | 25962 | 0.484 | ng | 97     |
| 38) Dibenzo(a,h)anthracene     | 25.51 | 278 | 24187 | 0.493 | ng | 98     |
| 39) Benzo(g,h,i)perylene       | 26.14 | 276 | 25251 | 0.512 | ng | 99     |

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

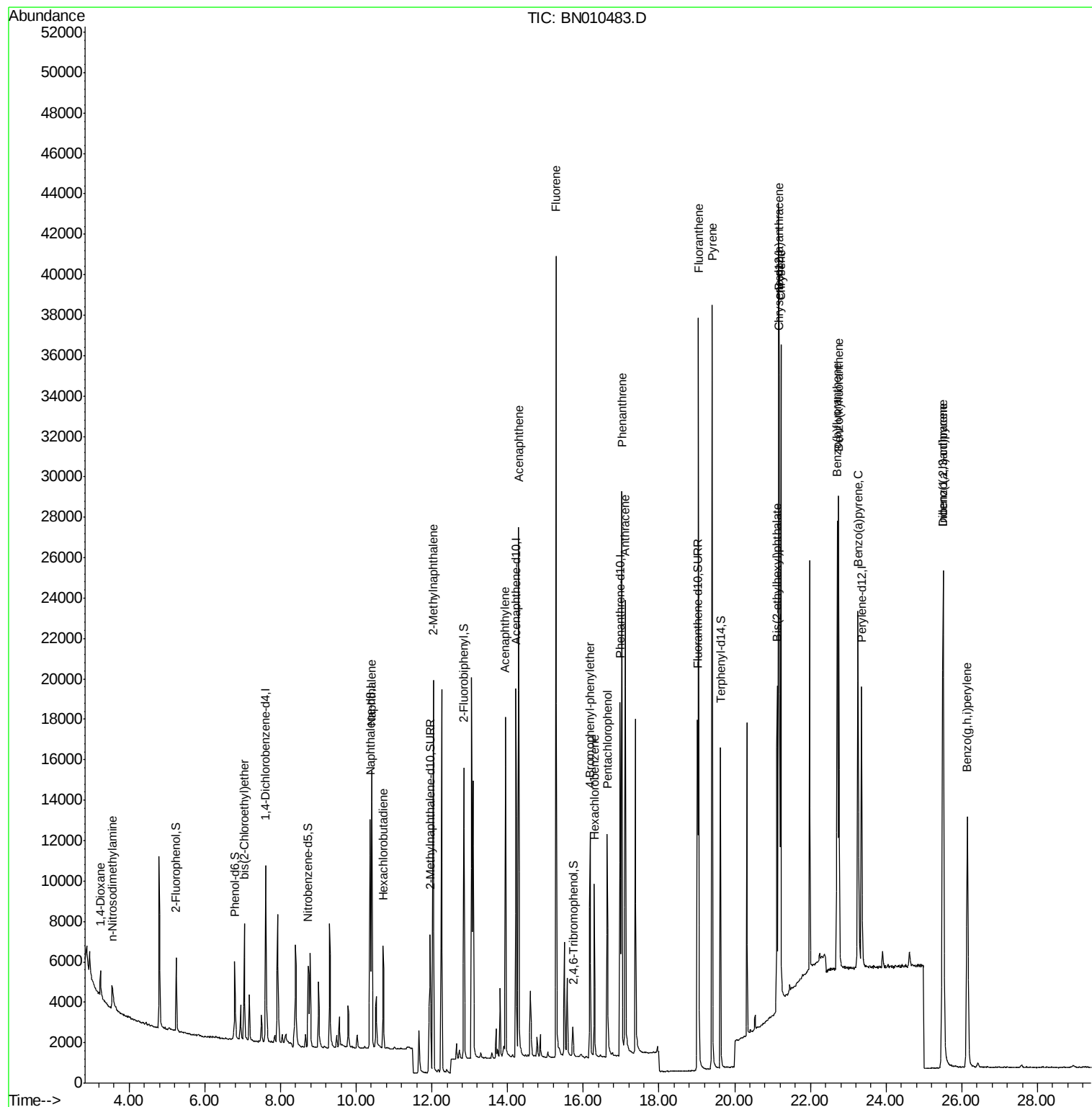
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\  
Data File : BN010483.D  
Acq On : 14 Apr 2020 17:53  
Operator : CG/JU  
Sample : PB128219BSD  
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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
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PB128219BSD

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Quant Time: Apr 14 18:43:49 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 13 18:04:22 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.61 min Scan# 593

Delta R.T. -0.01 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

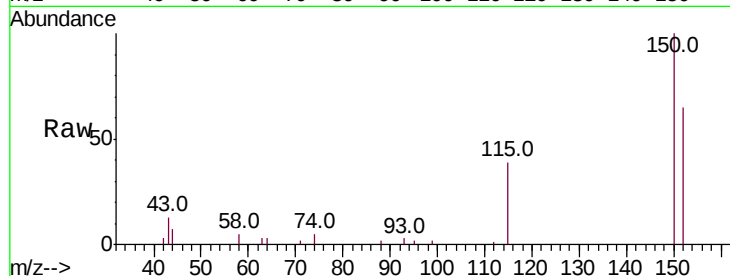
ClientSampleId :

PB128219BSD

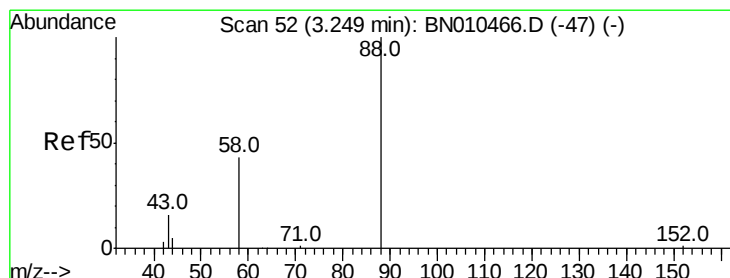
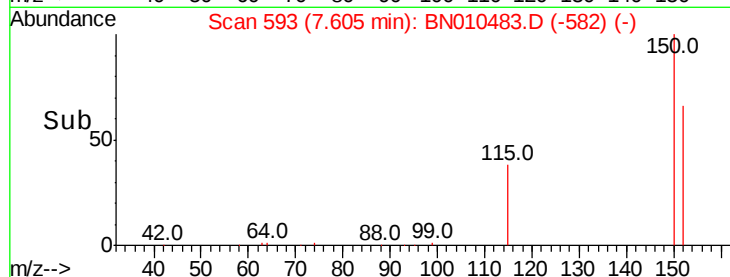
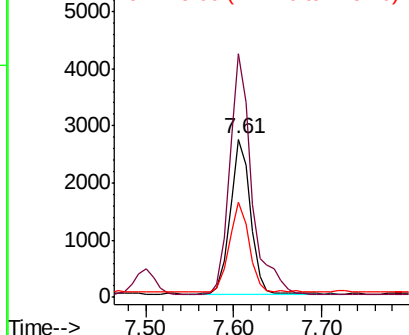
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 4261  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 154.2 | 121.8 | 182.6 |
| 115      | 59.8  | 45.5  | 68.3  |

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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



#2

1,4-Dioxane

Concen: 0.369 ng

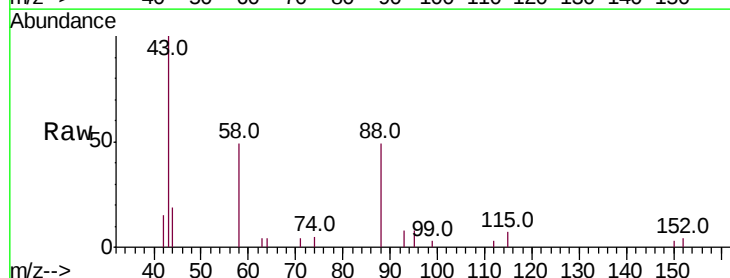
RT: 3.24 min Scan# 51

Delta R.T. -0.01 min

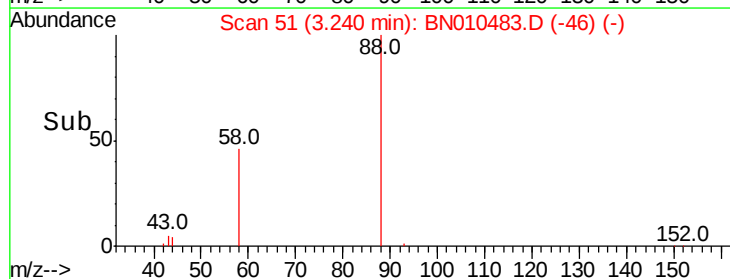
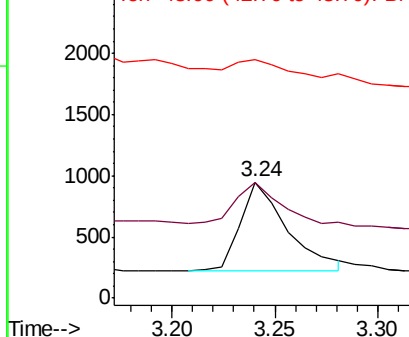
Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 1157  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 42.7  | 36.5  | 54.7  |
| 43       | 18.7  | 13.2  | 19.8  |



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.570 ng

RT: 3.55 min Scan# 89

Delta R.T. -0.02 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

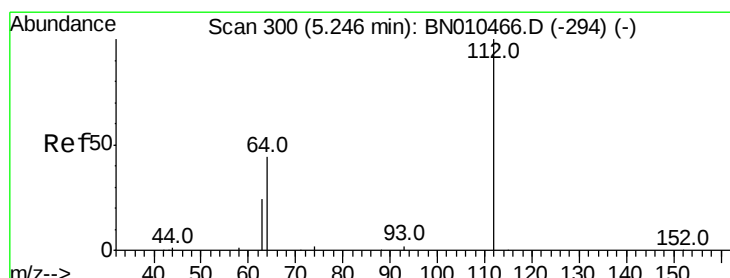
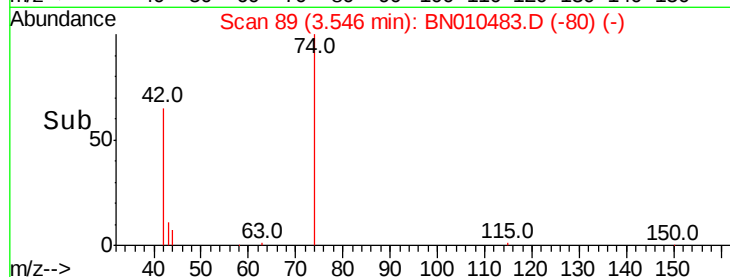
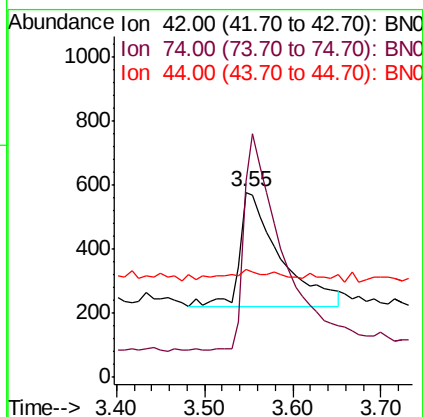
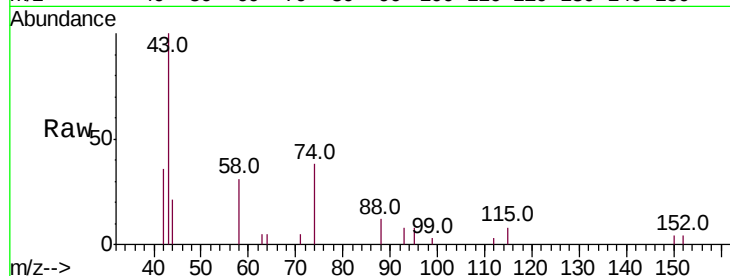
ClientSampleId :

PB128219BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 1160  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 175.4 | 162.2 | 243.4 |
| 44       | 9.6   | 2.4   | 3.6#  |

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#4

2-Fluorophenol

Concen: 0.351 ng

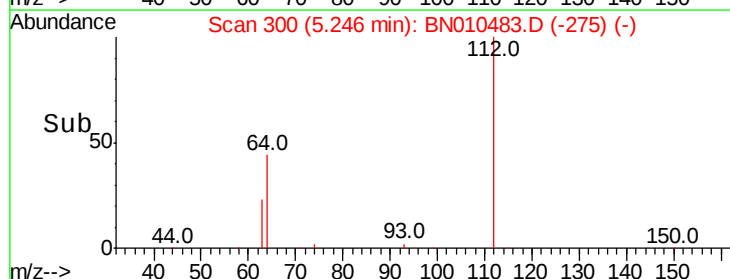
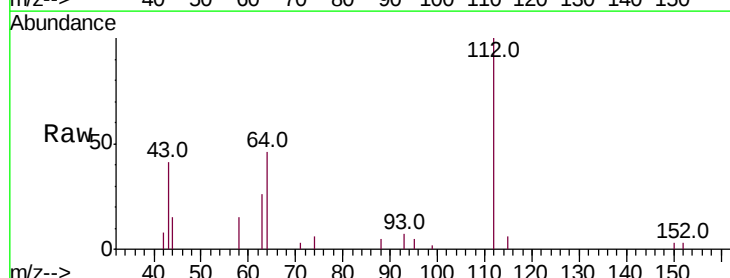
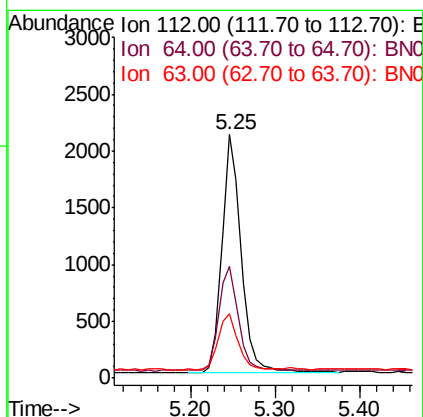
RT: 5.25 min Scan# 300

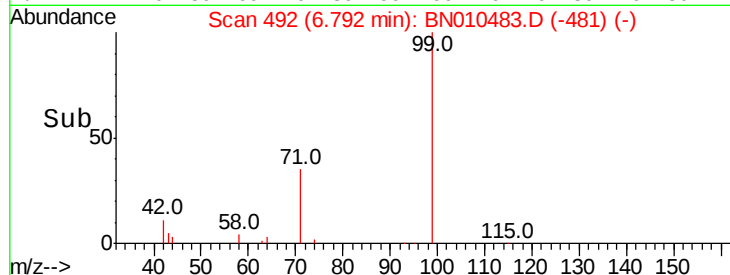
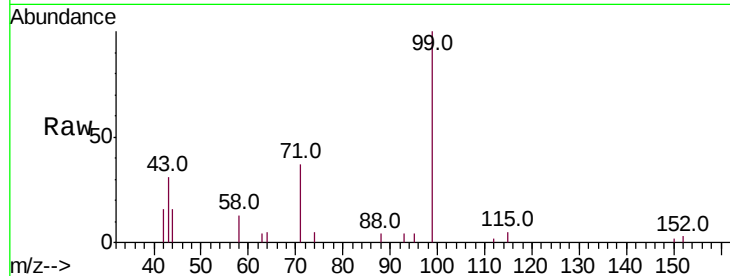
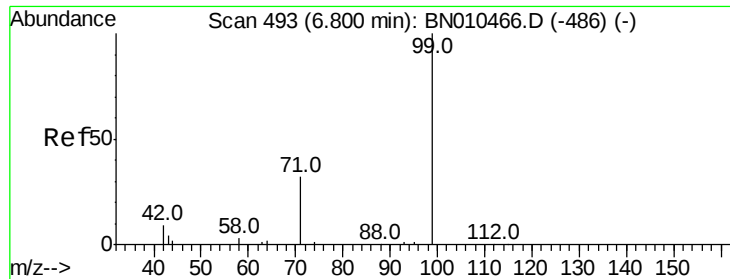
Delta R.T. -0.00 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 3280  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 44.9  | 35.8  | 53.8  |
| 63       | 24.2  | 19.9  | 29.9  |





#5

Phenol-d6

Concen: 0.328 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 4004  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 13.0  | 9.8   | 14.6  |
| 71       | 34.2  | 27.8  | 41.8  |

Instrument :

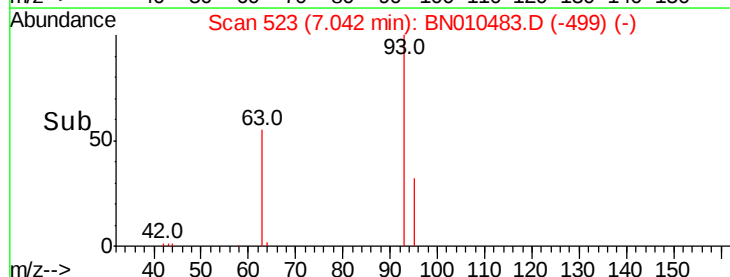
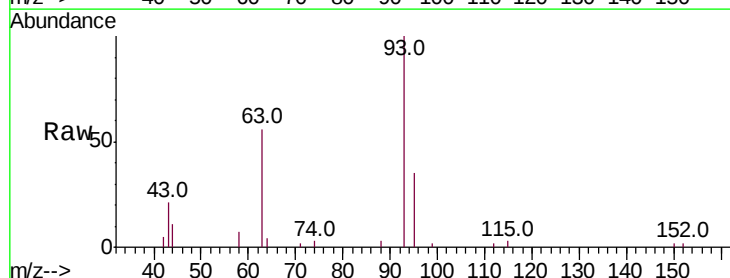
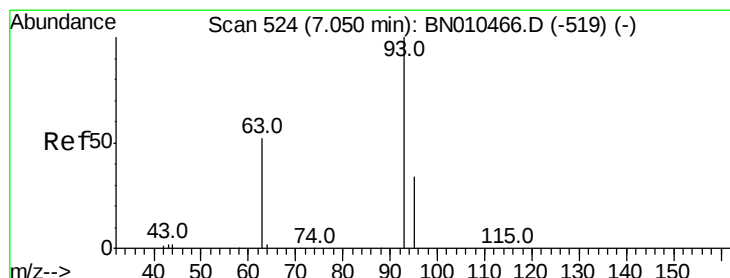
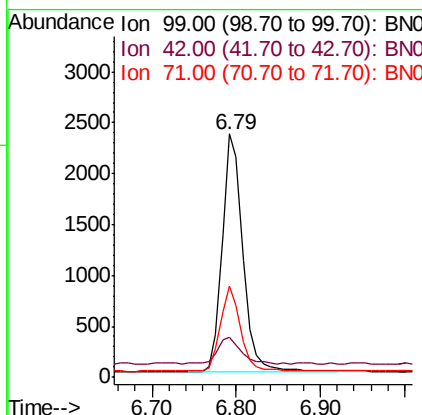
BNA\_N

ClientSampleId :

PB128219BSD

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#6

bis(2-Chloroethyl)ether

Concen: 0.460 ng

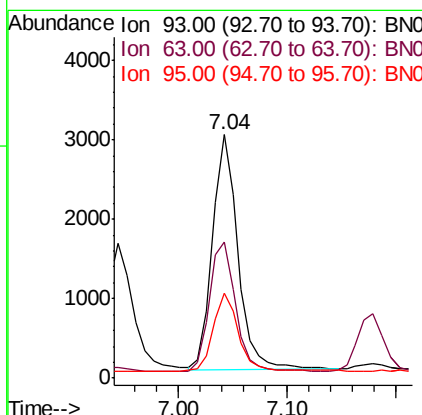
RT: 7.04 min Scan# 523

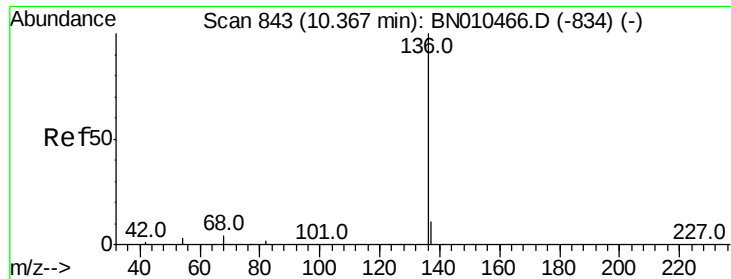
Delta R.T. -0.01 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4863  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 56.9  | 44.6  | 66.8  |
| 95       | 33.3  | 26.5  | 39.7  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

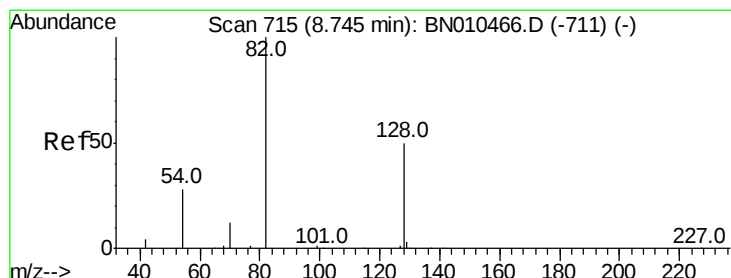
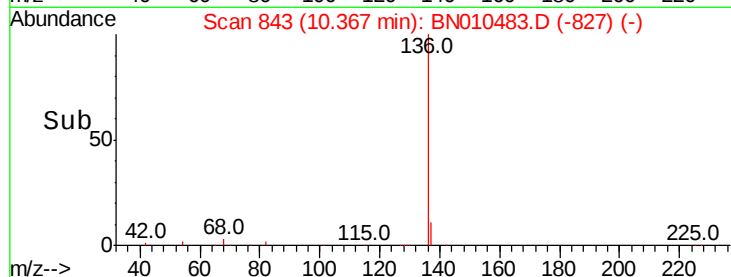
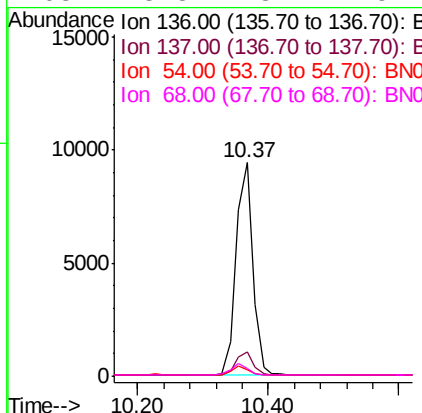
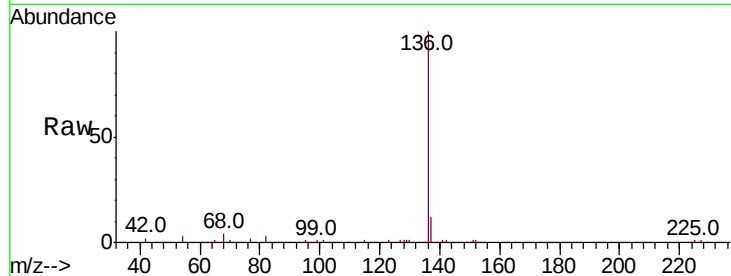
ClientSampleId :

PB128219BSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 16689 |       |       |
| 137     | 11.6  |       | 8.9   | 13.3  |
| 54      | 3.0   |       | 2.6   | 4.0   |
| 68      | 3.8   |       | 3.4   | 5.2   |

Manual Integrations  
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#8

Nitrobenzene-d5

Concen: 0.336 ng

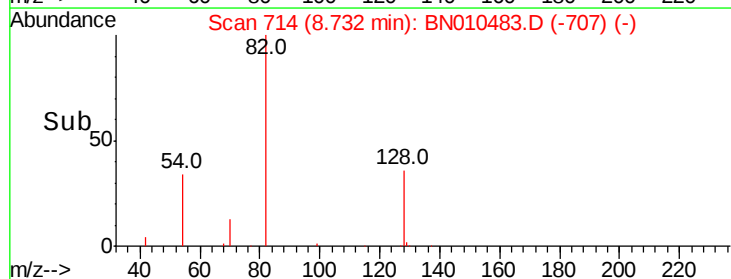
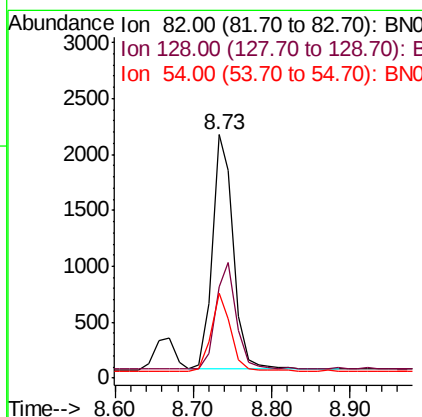
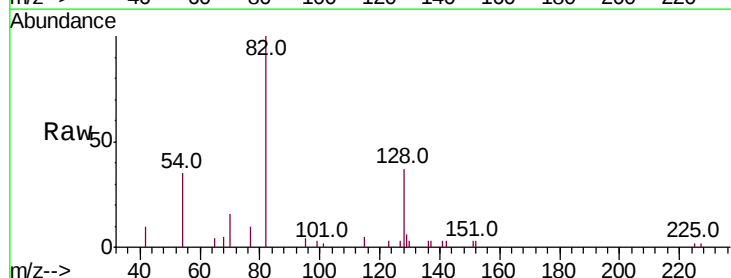
RT: 8.73 min Scan# 714

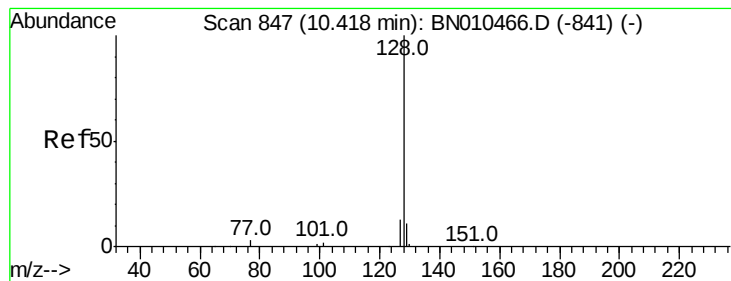
Delta R.T. -0.01 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 3916 |       |       |
| 128     | 37.5  |      | 41.3  | 61.9# |
| 54      | 34.8  |      | 23.4  | 35.0  |





#9

Naphthalene

Concen: 0.463 ng

RT: 10.41 min Scan# 846

Delta R.T. -0.01 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

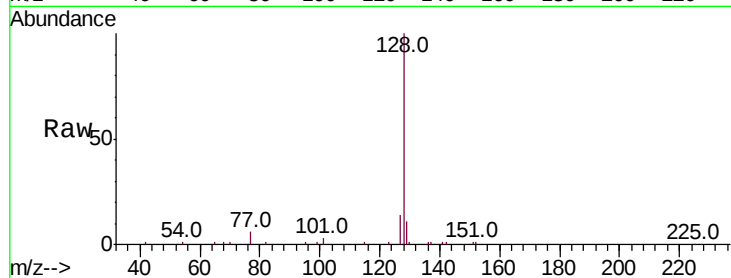
ClientSampled :

PB128219BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 19186 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.3  | 9.3   | 13.9  |
| 127       | 14.0  | 10.5  | 15.7  |

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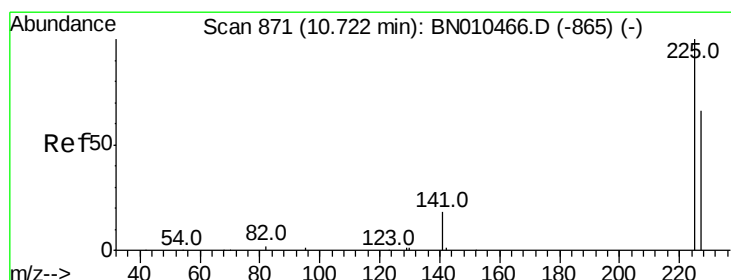
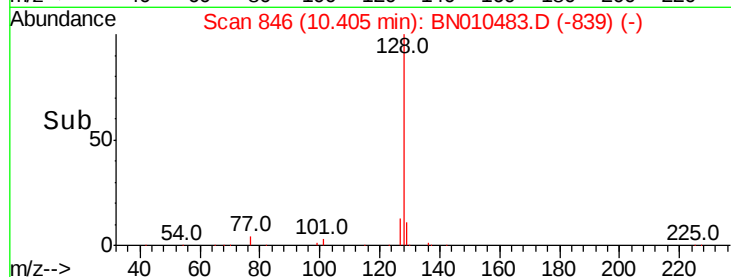
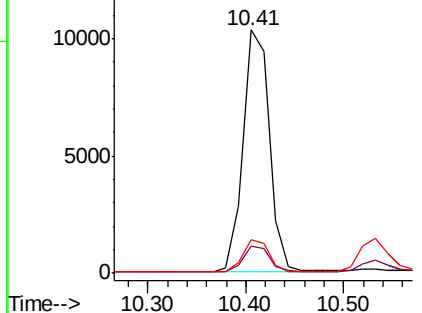
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.435 ng

RT: 10.71 min Scan# 870

Delta R.T. -0.01 min

Lab File: BN010483.D

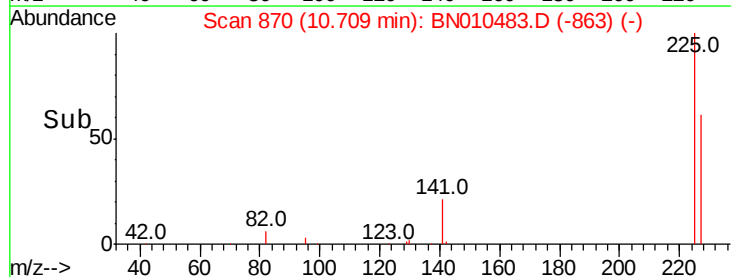
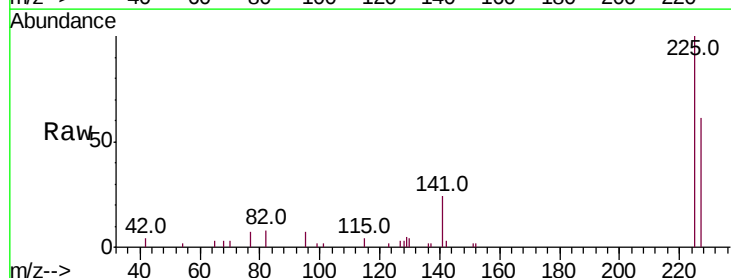
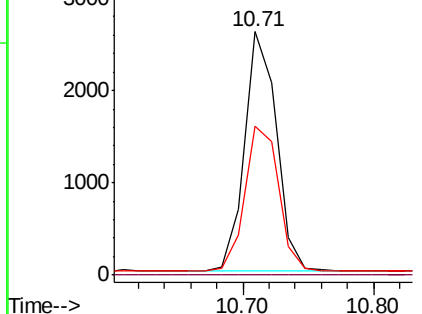
Acq: 14 Apr 2020 17:53

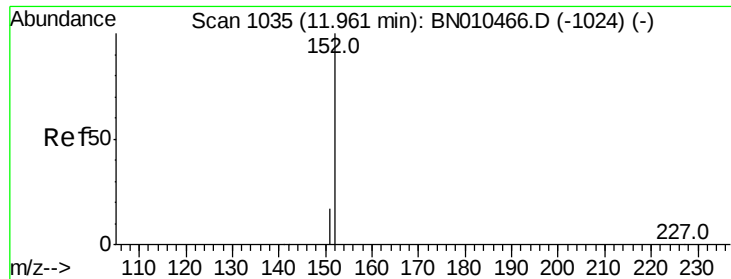
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4345 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 64.0  | 50.6  | 76.0 |

Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





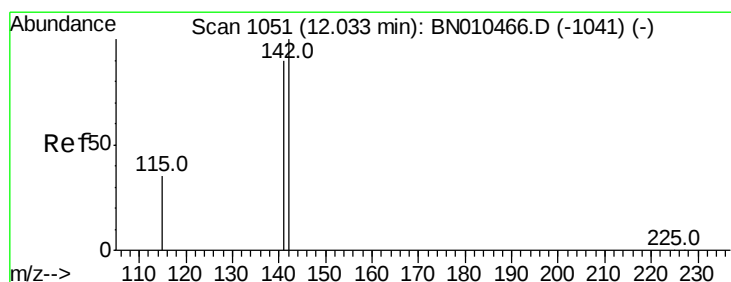
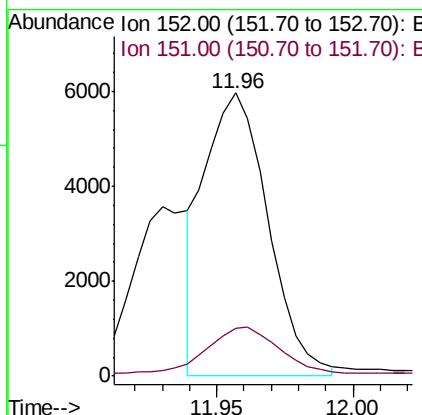
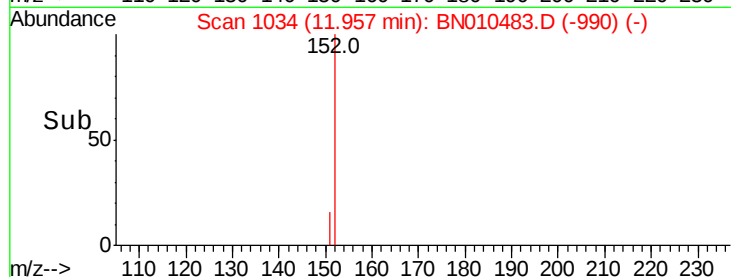
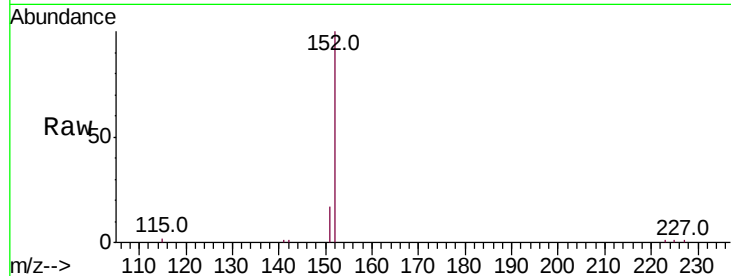
#11  
2-Methylnaphthalene-d10  
Concen: 0.353 ng m  
RT: 11.96 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Instrument :  
BNA\_N  
ClientSampleId :  
PB128219BSD

Tot Ion:152 Resp: 9687  
Ion Ratio Lower Upper  
152 100  
151 18.7 15.3 22.9

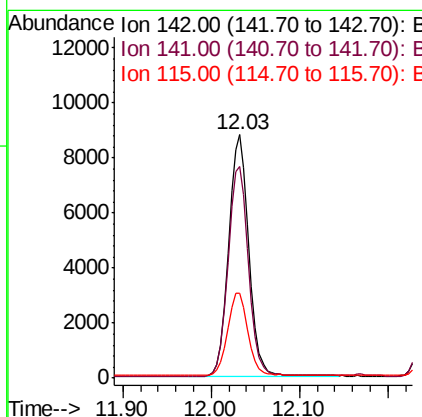
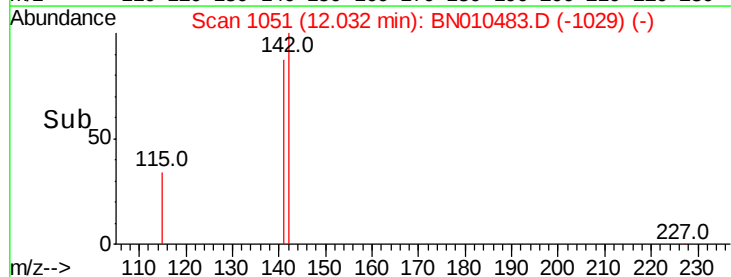
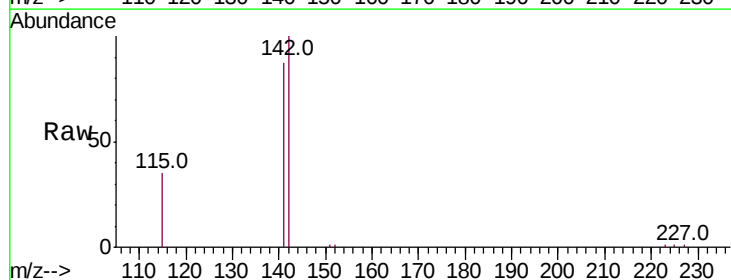
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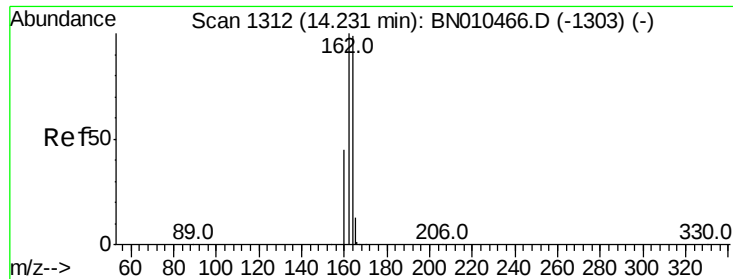
mohammad  
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#12  
2-Methylnaphthalene  
Concen: 0.471 ng  
RT: 12.03 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Tgt Ion:142 Resp: 14037  
Ion Ratio Lower Upper  
142 100  
141 87.1 71.9 107.9  
115 34.7 28.8 43.2





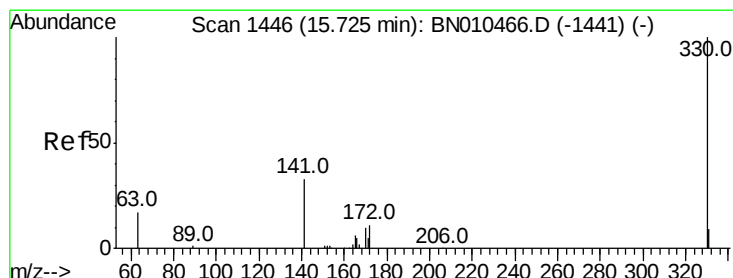
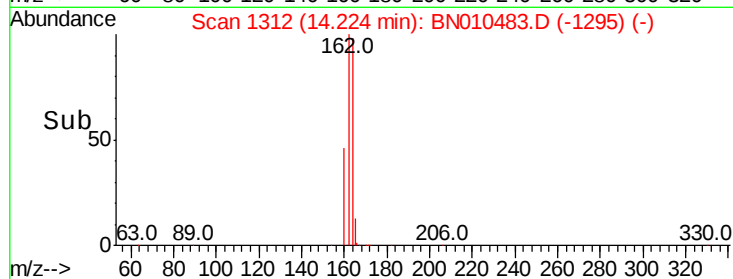
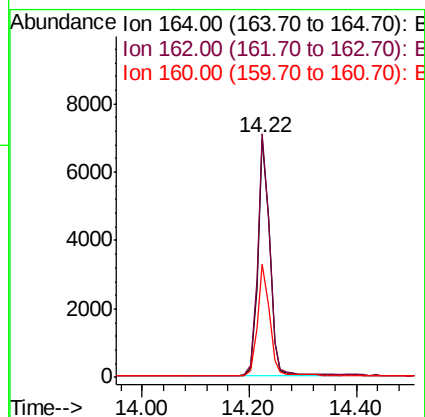
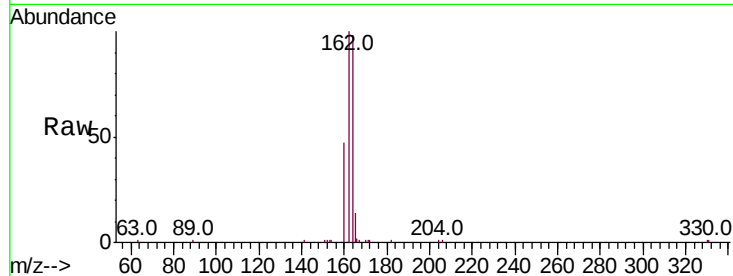
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.22 min Scan# 1312  
 Delta R.T. -0.01 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB128219BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 80.6  | 121.0 |
| 160     | 47.5  | 36.5  | 54.7  |

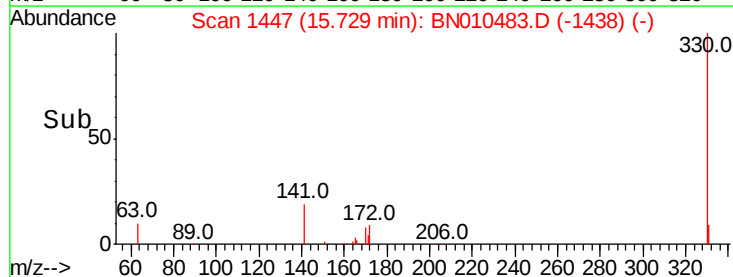
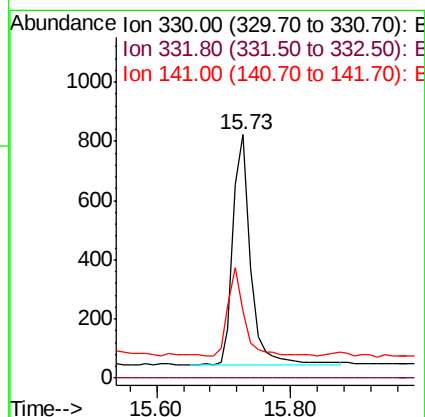
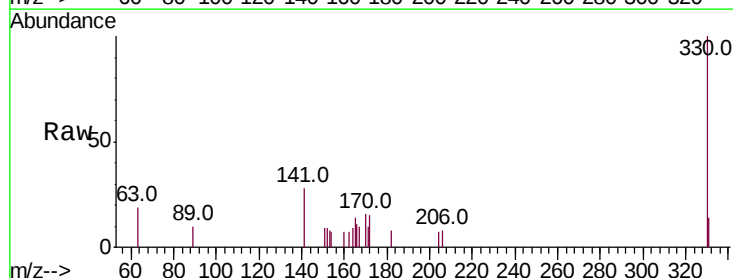
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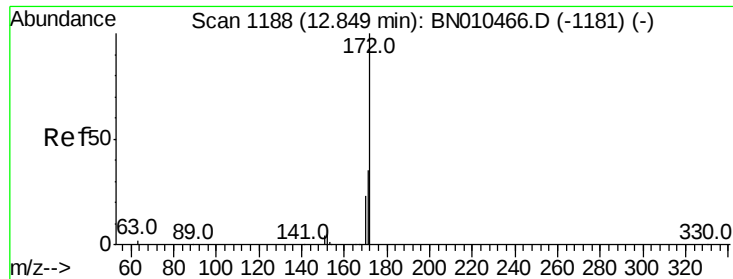
mohammad  
 4/15/2020 3:32:25 PM



#14  
 2,4,6-Tribromophenol  
 Concen: 0.281 ng  
 RT: 15.73 min Scan# 1447  
 Delta R.T. 0.00 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 35.6  | 28.1  | 42.1  |





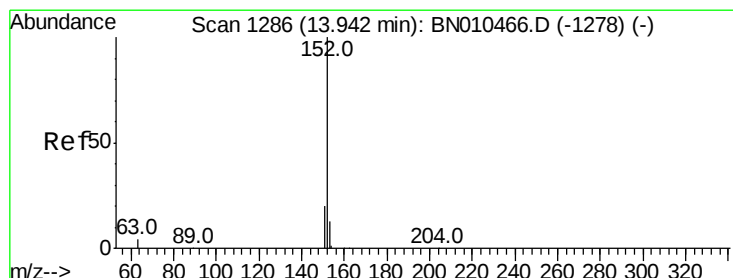
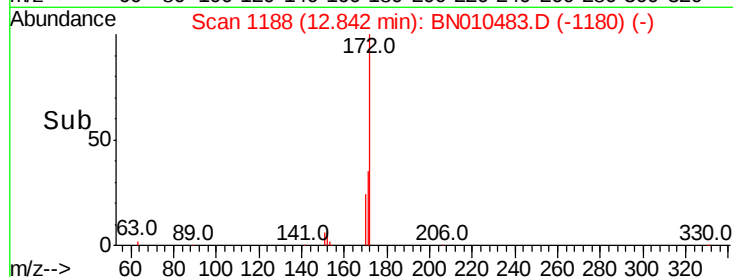
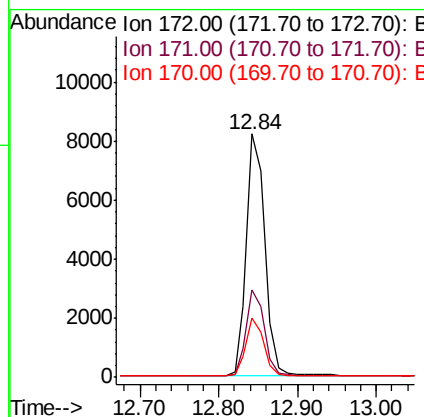
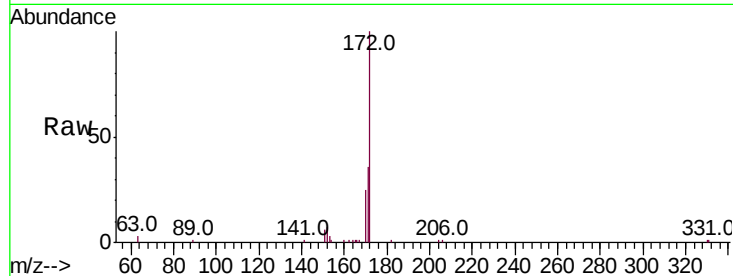
#15  
 2-Fluorobiphenyl  
 Concen: 0.348 ng  
 RT: 12.84 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

Instrument :  
 BNA\_N  
 ClientSampled :  
 PB128219BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 172   | Resp: | 13410 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.0  | 28.2  | 42.2  |
| 170       | 24.5  | 18.4  | 27.6  |

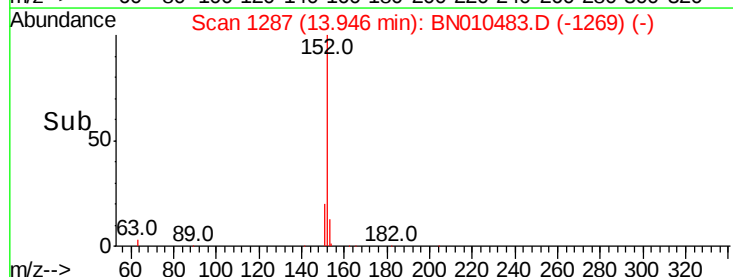
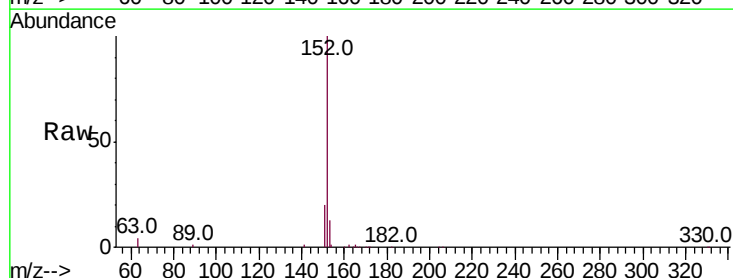
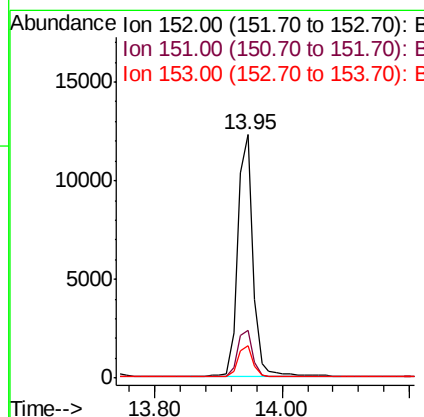
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#16  
 Acenaphthylene  
 Concen: 0.453 ng  
 RT: 13.95 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 20739 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.8  | 15.7  | 23.5  |
| 153       | 13.2  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.451 ng

RT: 14.29 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

ClientSampled :

PB128219BSD

Tot Ion:154 Resp: 13246

Ion Ratio Lower Upper

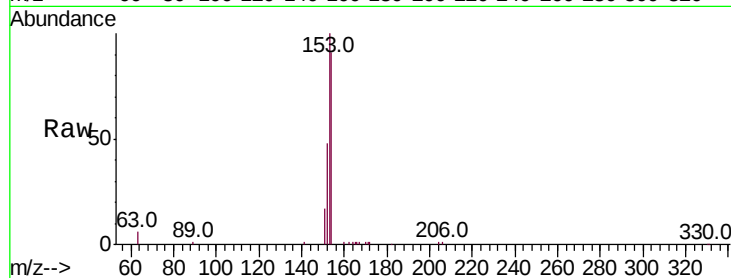
154 100

153 114.4 91.0 136.4

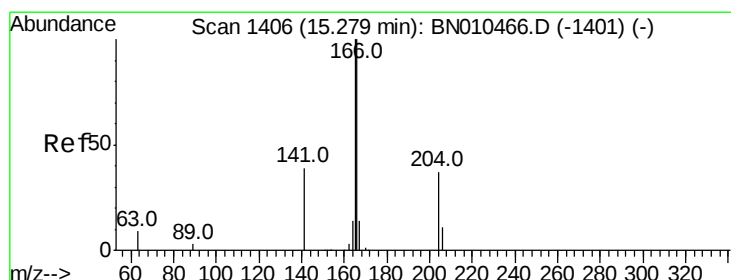
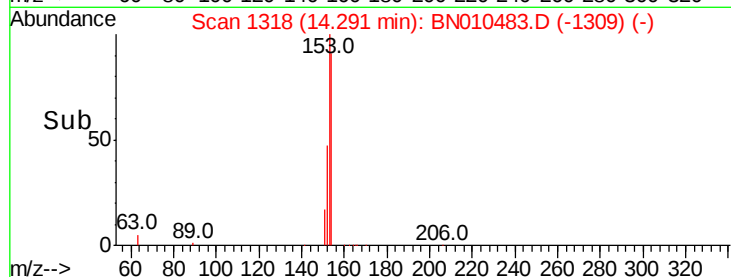
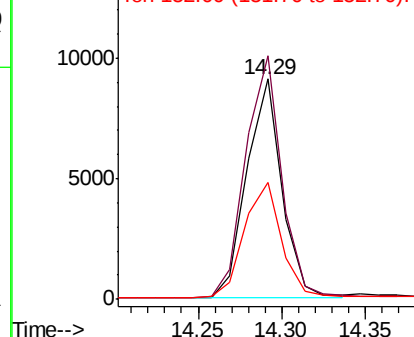
152 56.2 44.6 67.0

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



#18

Fluorene

Concen: 0.457 ng

RT: 15.28 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

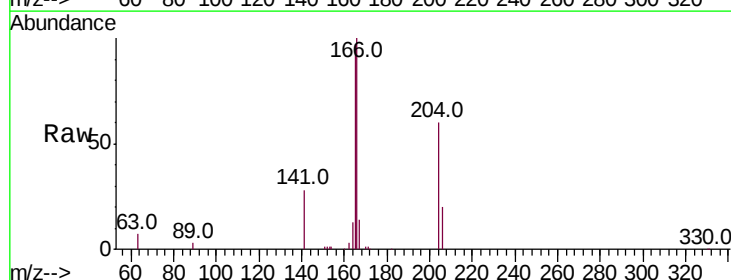
Tgt Ion:166 Resp: 17579

Ion Ratio Lower Upper

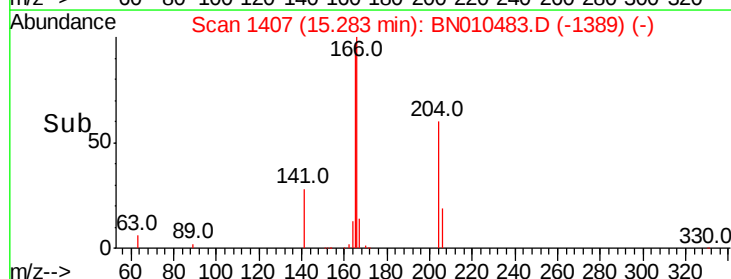
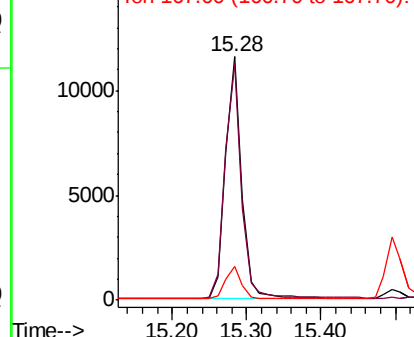
166 100

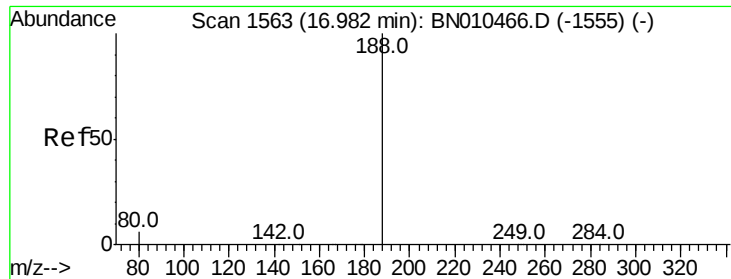
165 97.3 78.4 117.6

167 13.8 10.9 16.3



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





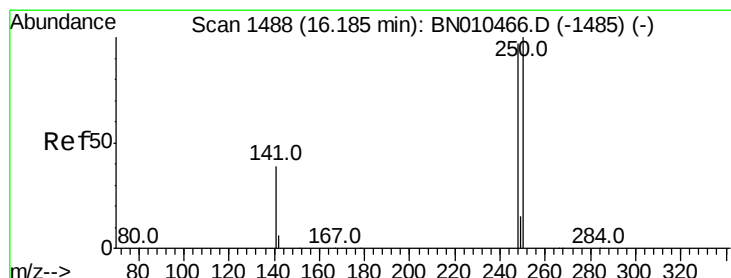
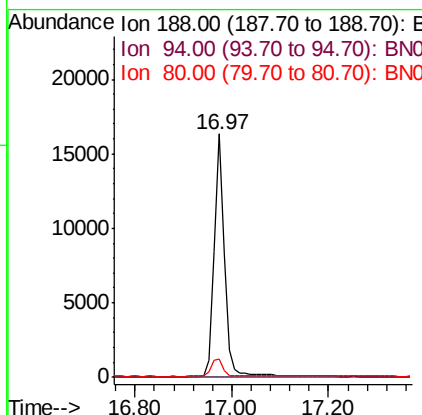
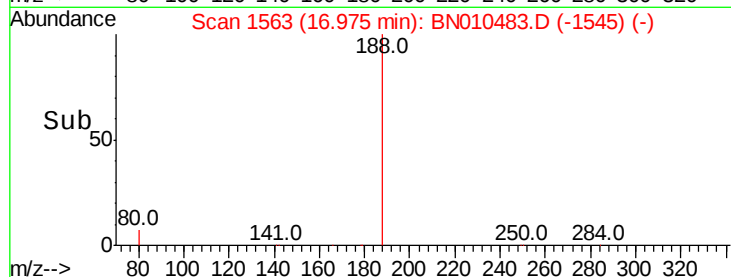
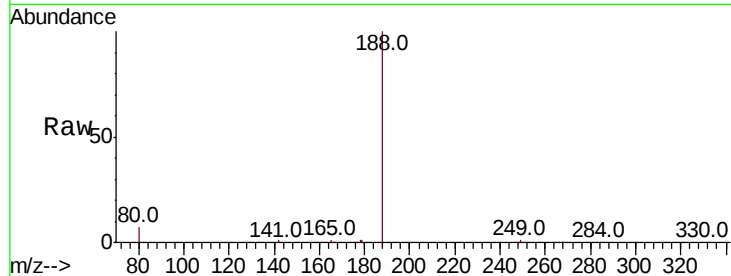
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.97 min Scan# 1563  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Instrument :  
BNA\_N  
ClientSampleId :  
PB128219BSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 24254 |       |       |
| 94      | 0.0   | 0.0   | 0.0   | 0.0   |
| 80      | 7.3   | 5.0   | 7.6   |       |

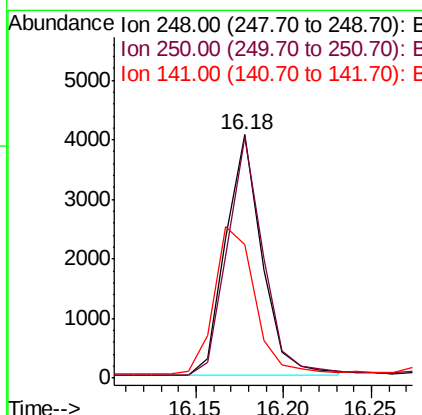
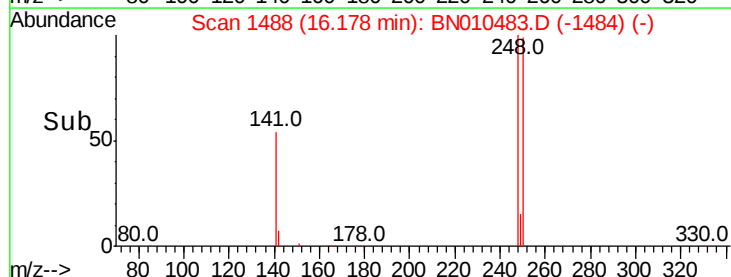
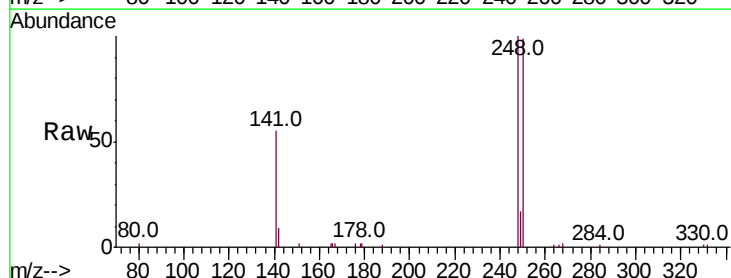
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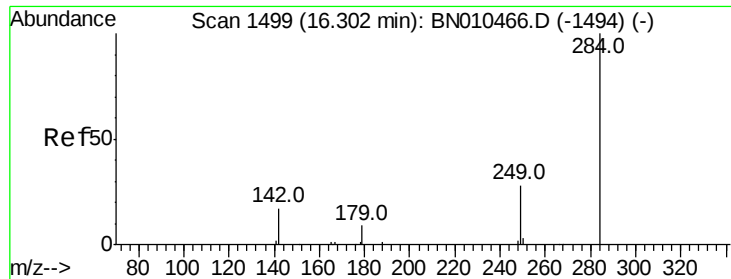
mohammad  
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#20  
4-Bromophenyl-phenylether  
Concen: 0.427 ng  
RT: 16.18 min Scan# 1488  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   | 5749 |       |       |
| 250     | 99.3  | 82.3 | 123.5 |       |
| 141     | 54.9  | 35.2 | 52.8# |       |





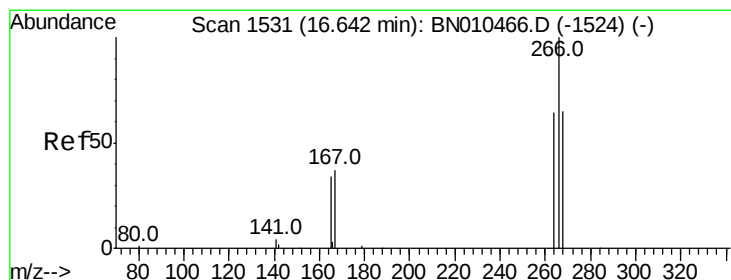
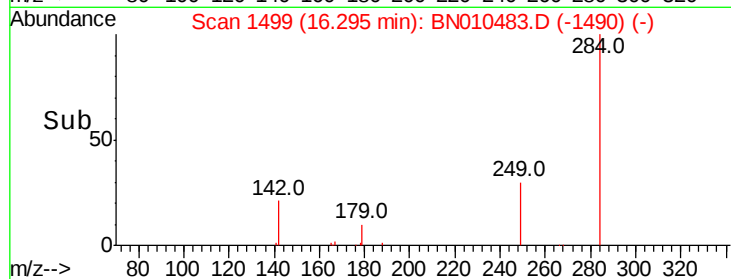
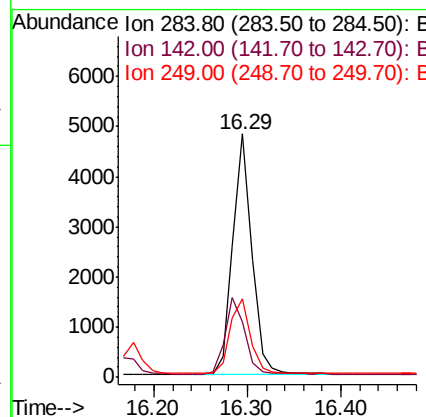
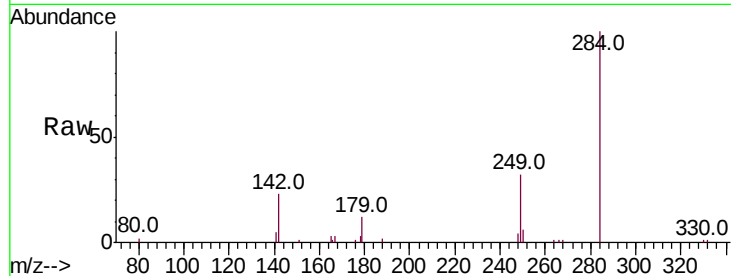
#21  
Hexachlorobenzene  
Concen: 0.447 ng  
RT: 16.29 min Scan# 1499  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Instrument :  
BNA\_N  
ClientSampleId :  
PB128219BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.4  | 25.5  | 38.3  |
| 249     | 32.8  | 25.8  | 38.6  |

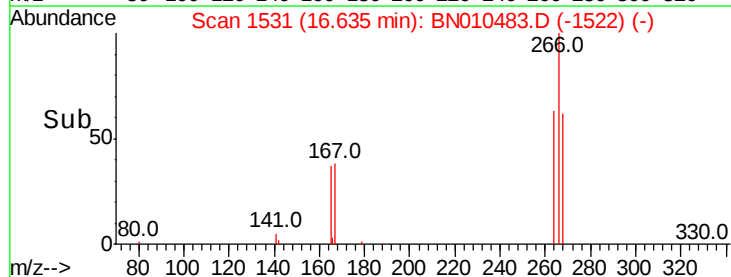
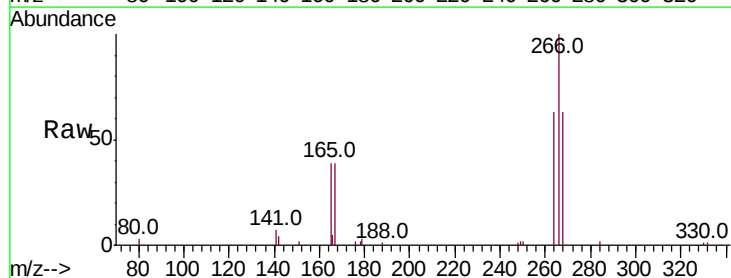
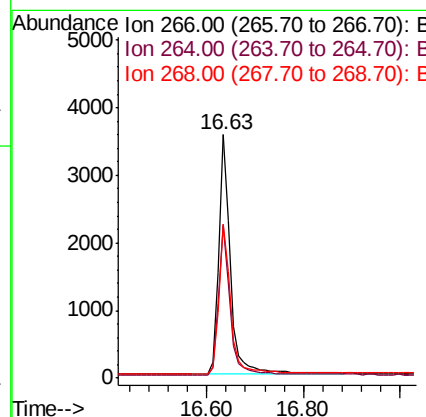
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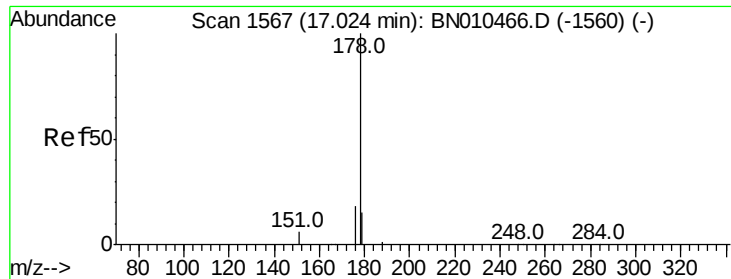
mohammad  
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#22  
Pentachlorophenol  
Concen: 0.991 ng  
RT: 16.63 min Scan# 1531  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.0  | 51.8  | 77.6  |
| 268     | 63.1  | 53.7  | 80.5  |





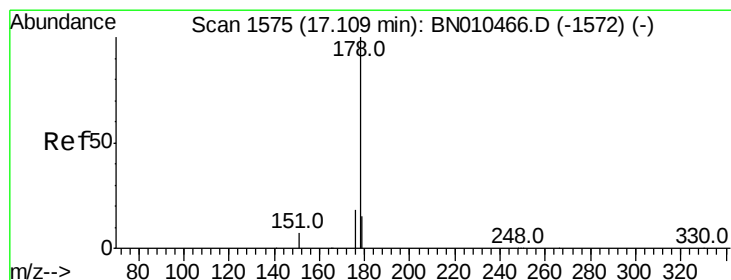
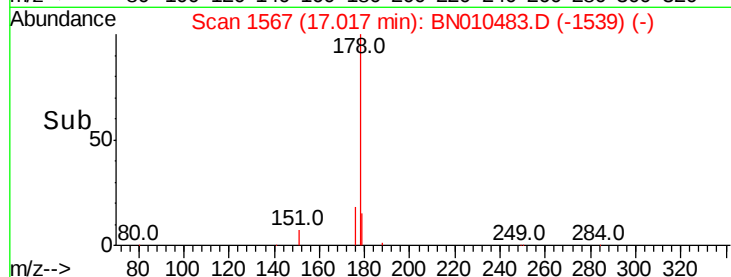
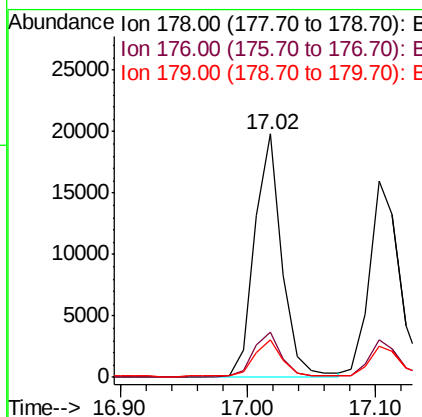
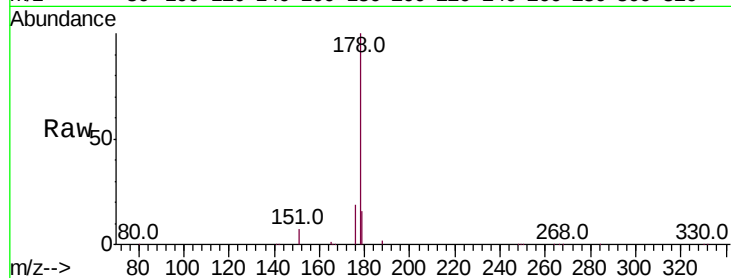
#23  
Phenanthrene  
Concen: 0.448 ng  
RT: 17.02 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Instrument :  
BNA\_N  
ClientSampleId :  
PB128219BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.0  | 22.4  |
| 179     | 15.3  | 12.6  | 18.8  |

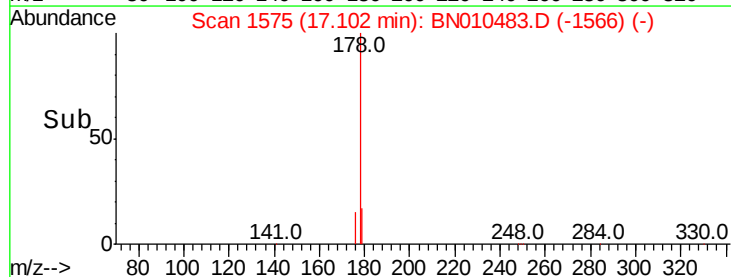
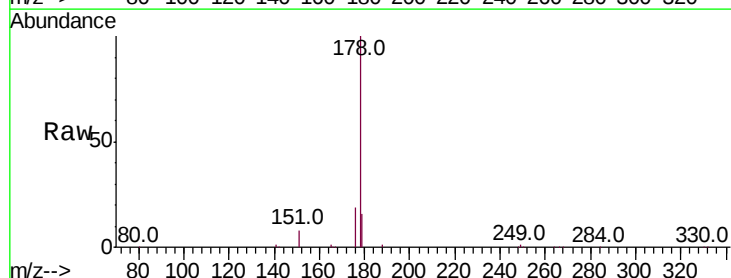
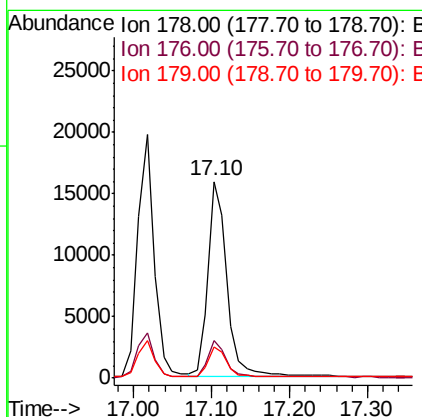
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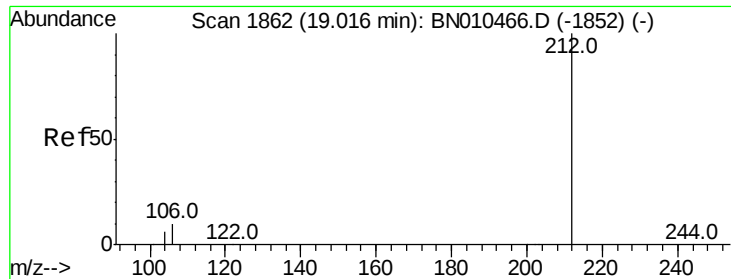
mohammad  
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#24  
Anthracene  
Concen: 0.441 ng  
RT: 17.10 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 14.6  | 21.8  |
| 179     | 15.3  | 12.2  | 18.2  |





#25

Fluoranthene-d10

Concen: 0.300 ng

RT: 19.01 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

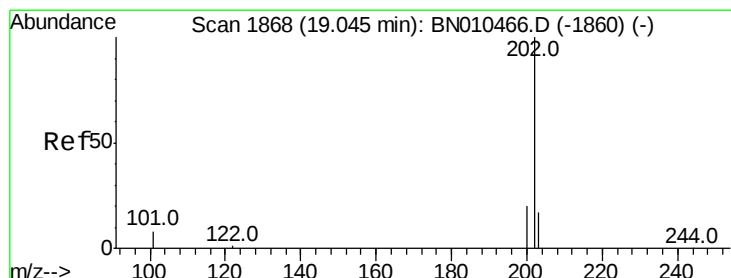
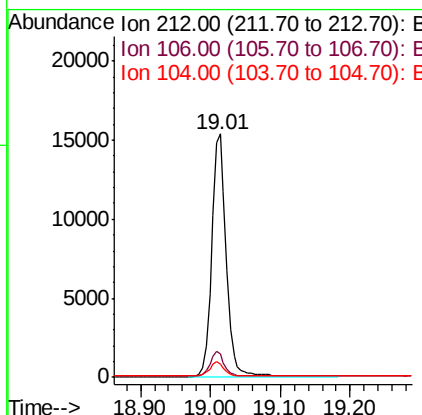
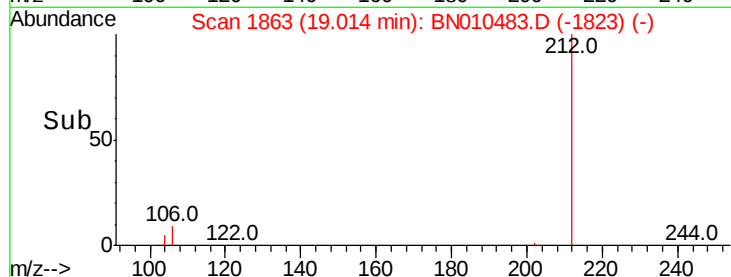
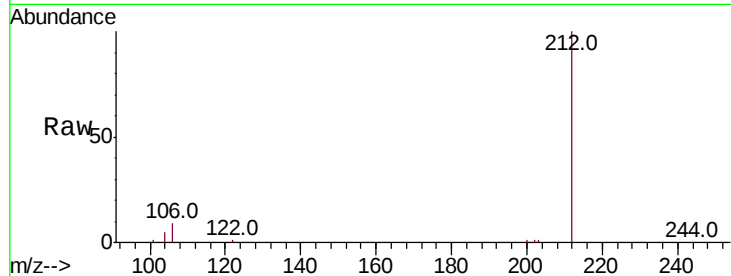
ClientSampleId :

PB128219BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 22086 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 9.8   | 7.8   | 11.6  |
| 104       | 5.5   | 4.5   | 6.7   |

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#26

Fluoranthene

Concen: 0.429 ng

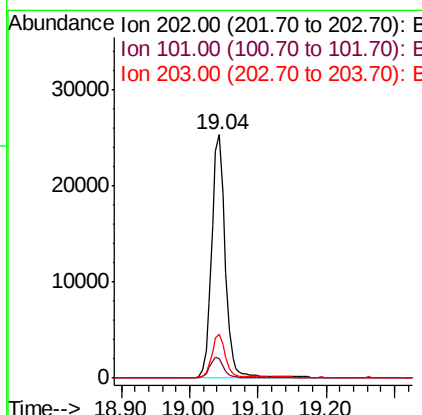
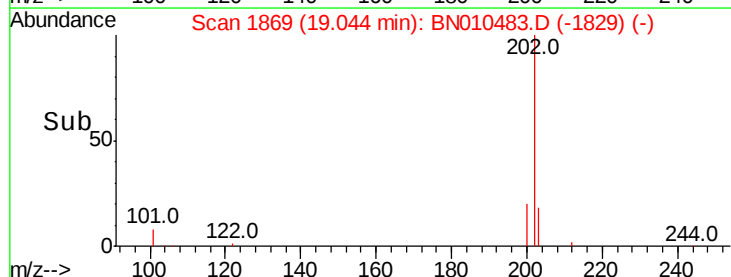
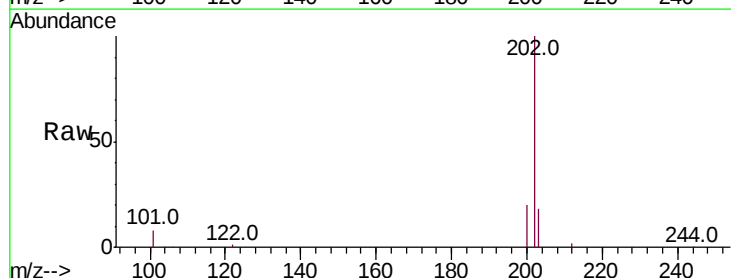
RT: 19.04 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 35006 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.4   | 6.9   | 10.3  |
| 203       | 17.6  | 13.9  | 20.9  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

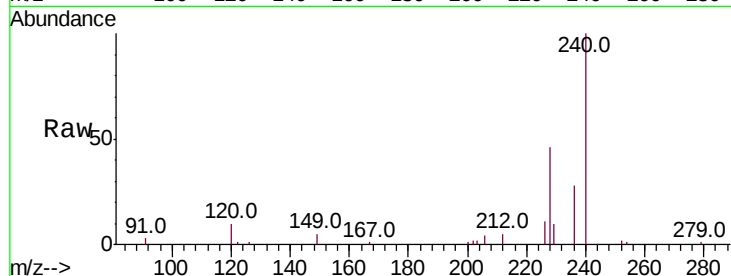
ClientSampleId :

PB128219BSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 240     | 100  |       |       |       |
| 120     | 10.1 | 4.8   | 7.2   |       |
| 236     | 27.5 | 21.4  | 32.0  |       |

Manual Integrations  
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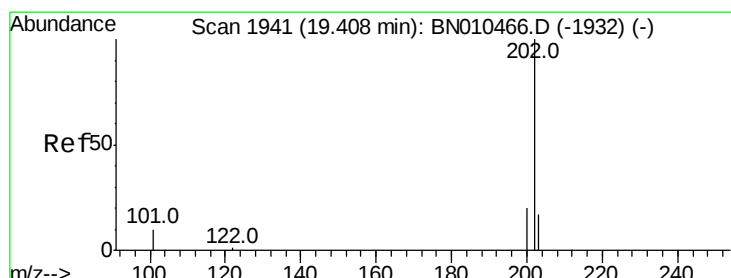
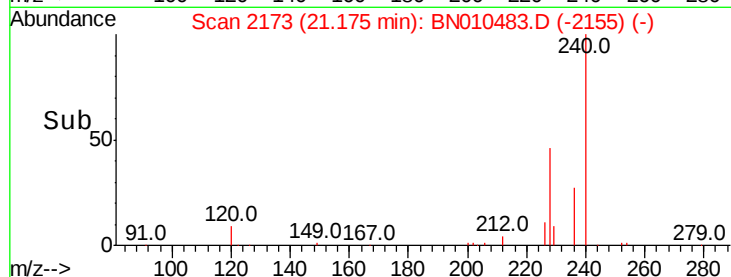
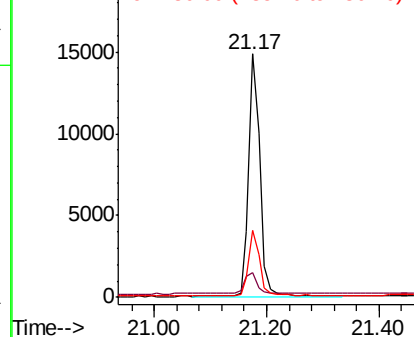


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.505 ng

RT: 19.41 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BN010483.D

Acq: 14 Apr 2020 17:53

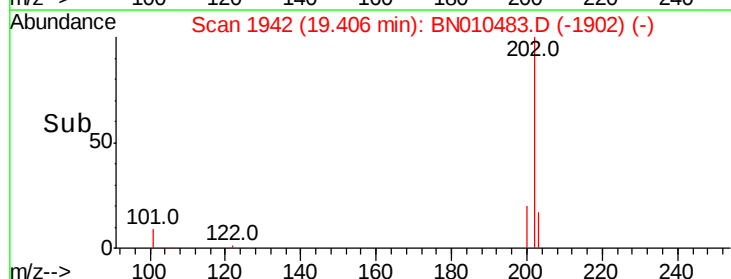
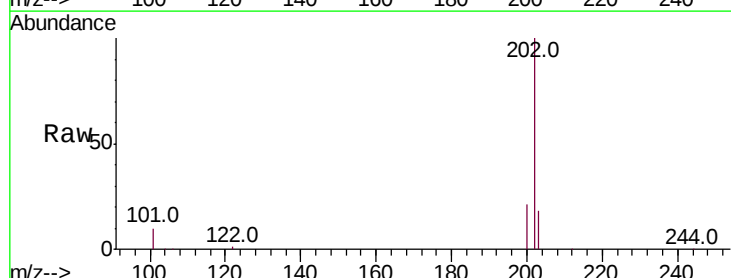
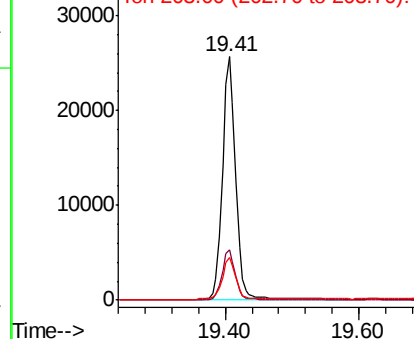
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 202     | 100  |       |       |       |
| 200     | 20.3 | 16.3  | 24.5  |       |
| 203     | 17.8 | 14.0  | 21.0  |       |

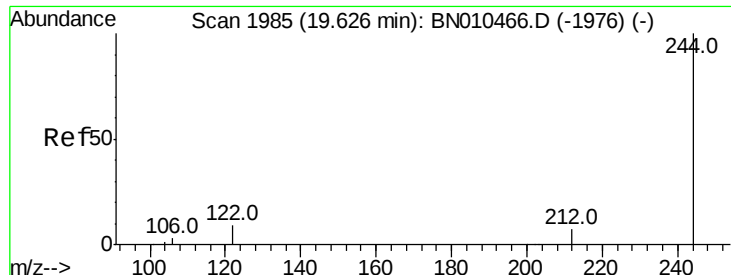
Abundance

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





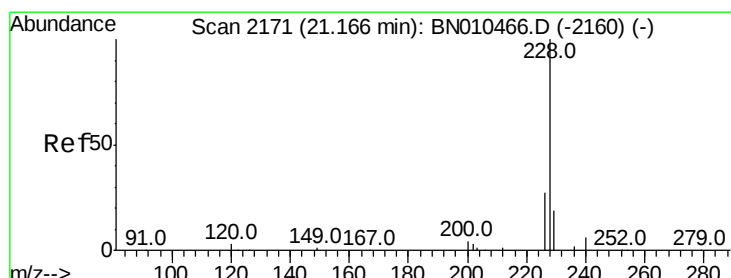
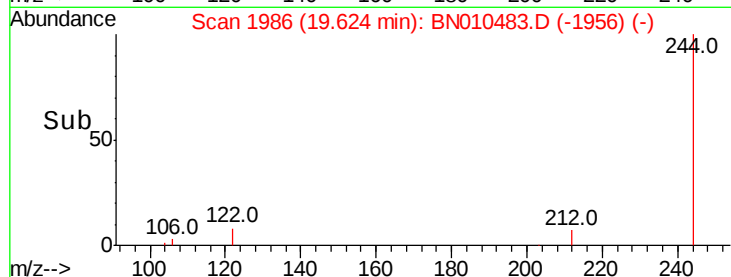
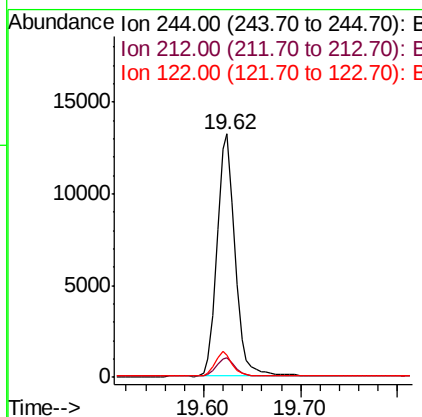
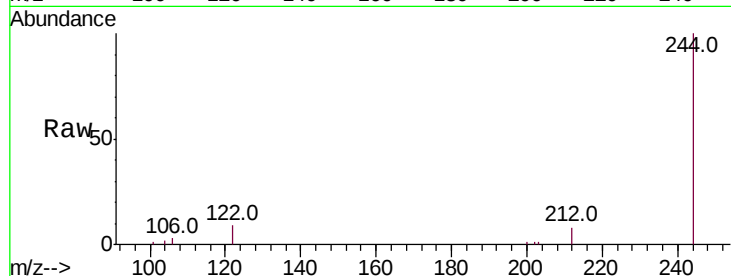
#29  
 Terphenyl-d14  
 Concen: 0.366 ng  
 RT: 19.62 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB128219BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 6.2   | 9.4   |
| 122     | 9.0   | 7.8   | 11.8  |

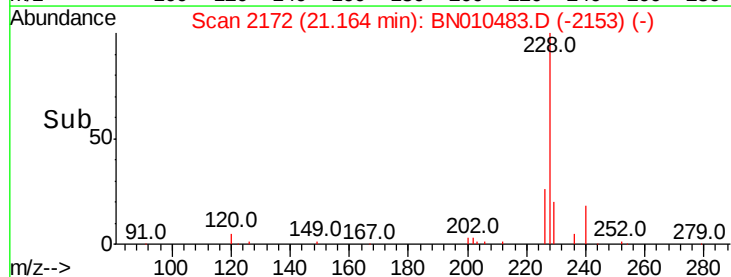
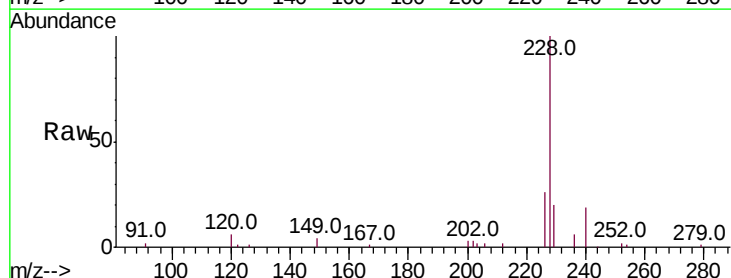
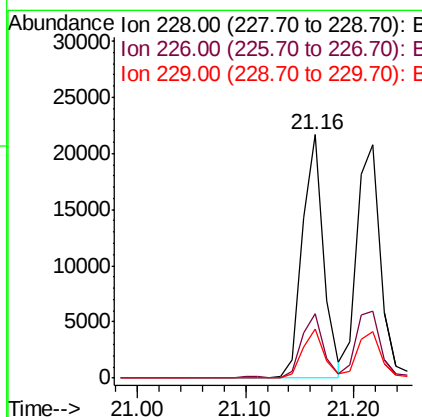
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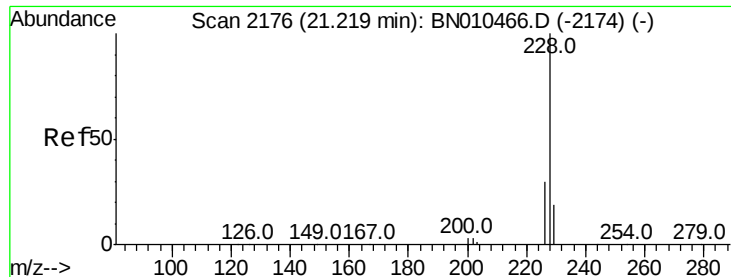
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#30  
 Benzo(a)anthracene  
 Concen: 0.435 ng  
 RT: 21.16 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.4  | 21.7  | 32.5  |
| 229     | 20.1  | 15.6  | 23.4  |





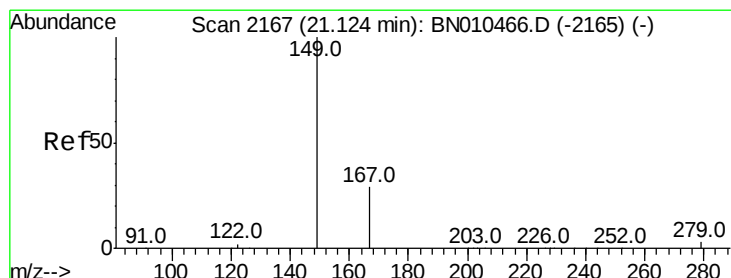
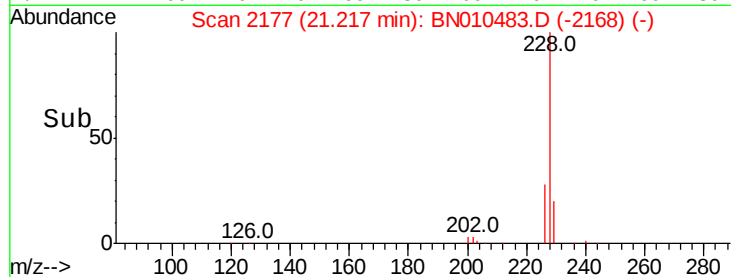
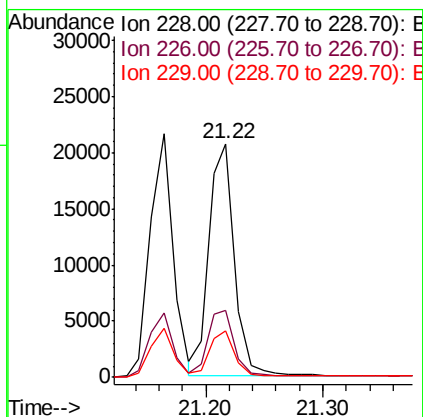
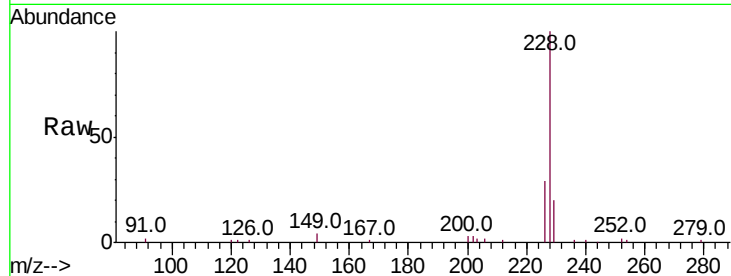
#31  
 Chrysene  
 Concen: 0.472 ng  
 RT: 21.22 min Scan# 2177  
 Delta R.T. -0.00 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB128219BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 24.0  | 36.0  |
| 229     | 20.1  | 15.8  | 23.6  |

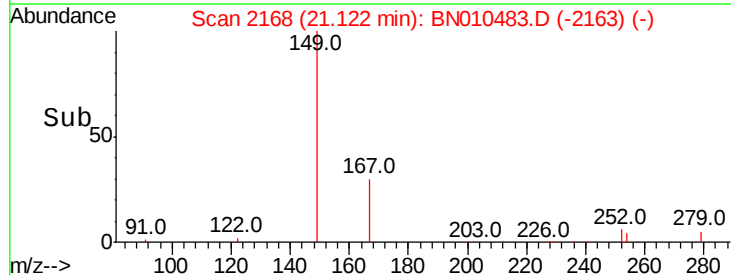
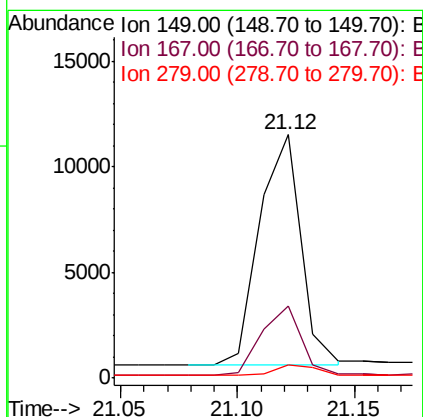
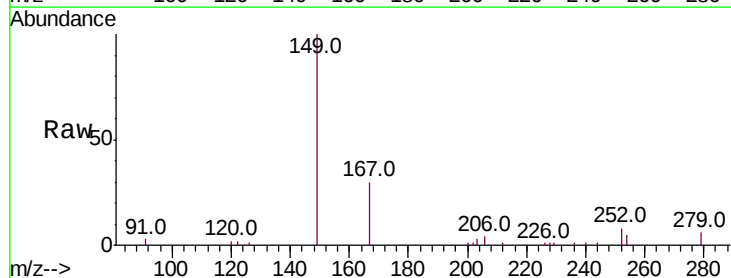
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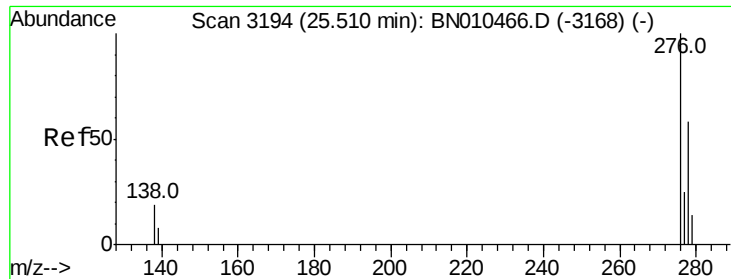
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#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.391 ng  
 RT: 21.12 min Scan# 2168  
 Delta R.T. -0.00 min  
 Lab File: BN010483.D  
 Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.9  | 23.4  | 35.0  |
| 279     | 4.4   | 4.0   | 6.0   |





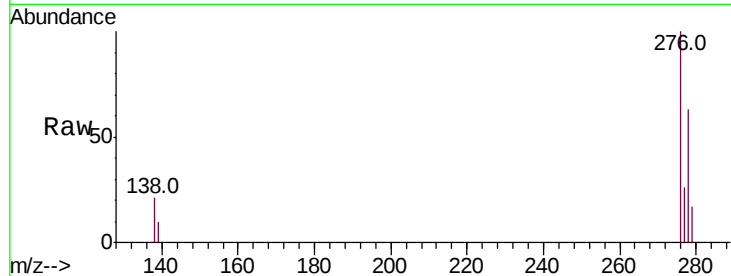
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.509 ng  
RT: 25.50 min Scan# 3192  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Instrument :  
BNA\_N  
ClientSampled :  
PB128219BSD

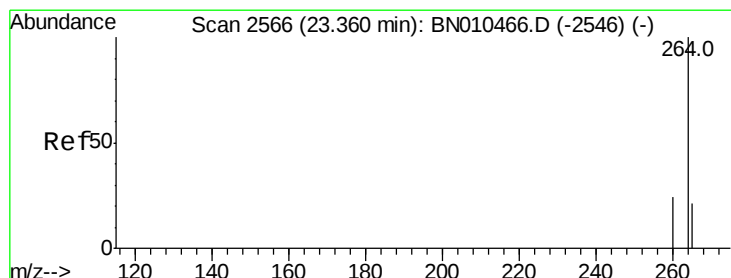
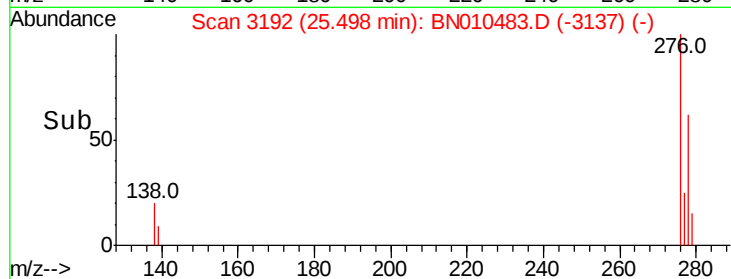
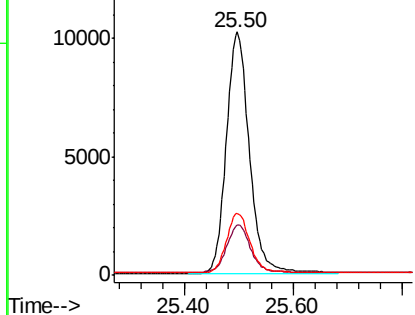
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.8  | 16.4  | 24.6  |
| 277     | 24.9  | 19.8  | 29.6  |

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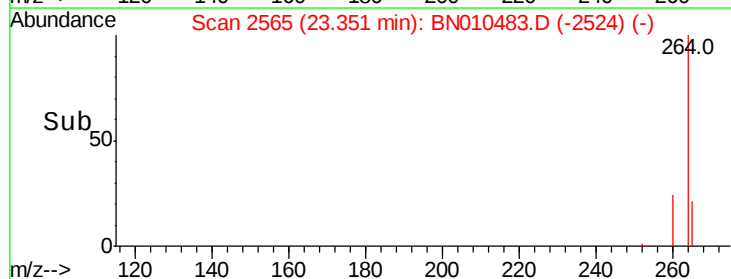
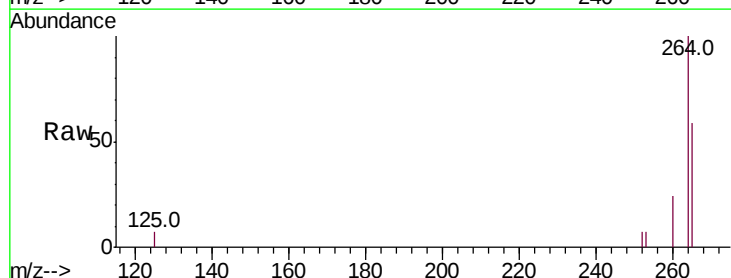
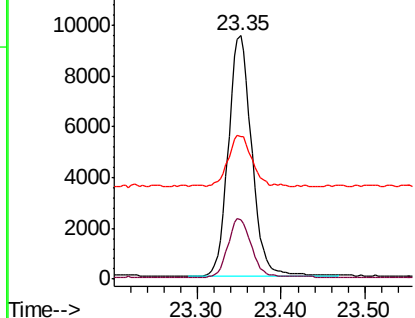
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.35 min Scan# 2565  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.8  | 29.8  |
| 265     | 58.7  | 42.3  | 63.5  |

Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





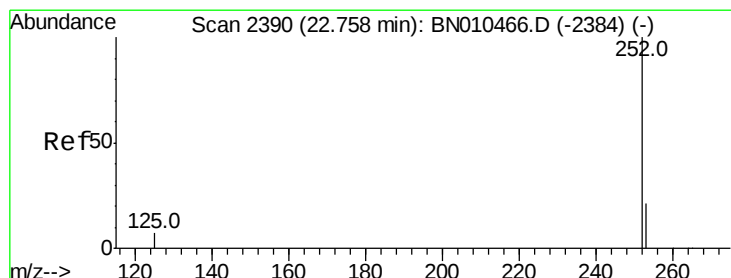
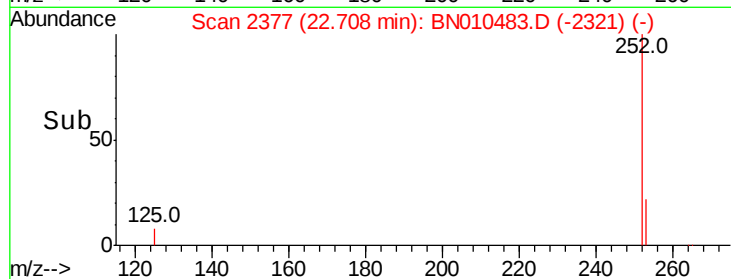
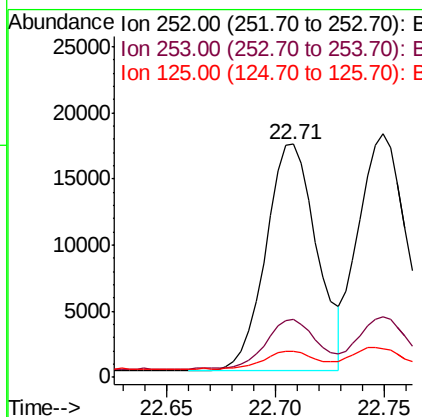
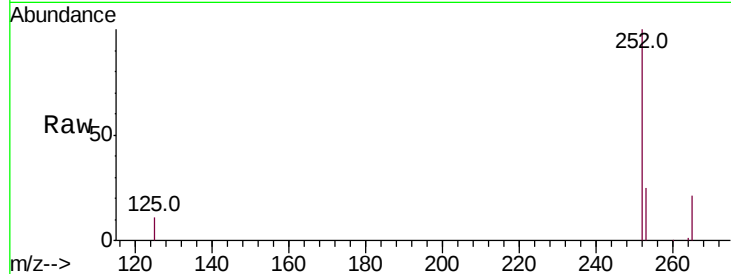
#35  
Benzo(b)fluoranthene  
Concen: 0.458 ng  
RT: 22.71 min Scan# 2377  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Instrument :  
BNA\_N  
ClientSampleId :  
PB128219BSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 27756 |       |       |
| 253     | 25.0  |       | 20.2  | 30.4  |
| 125     | 11.2  |       | 9.2   | 13.8  |

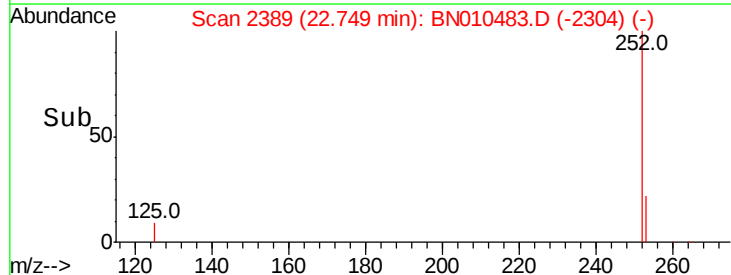
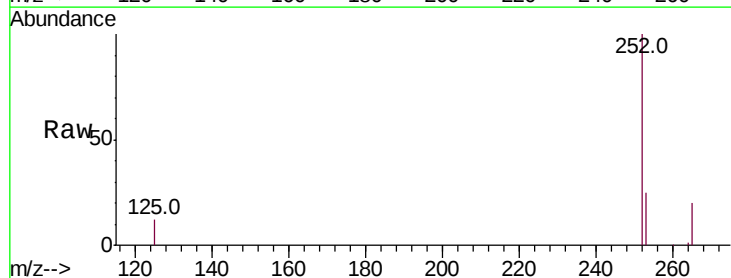
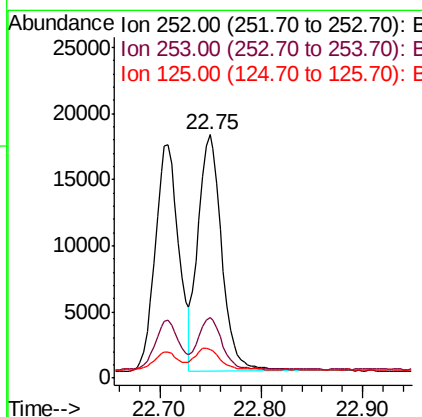
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#36  
Benzo(k)fluoranthene  
Concen: 0.476 ng  
RT: 22.75 min Scan# 2389  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 28866 |       |       |
| 253     | 24.9  |       | 20.1  | 30.1  |
| 125     | 12.0  |       | 9.6   | 14.4  |





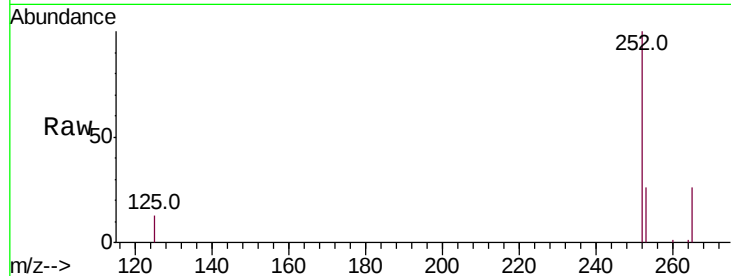
#37  
Benzo(a)pyrene  
Concen: 0.484 ng  
RT: 23.26 min Scan# 2537  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

Instrument :  
BNA\_N  
ClientSampleId :  
PB128219BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.5  | 21.8  | 32.8  |
| 125     | 12.6  | 11.0  | 16.6  |

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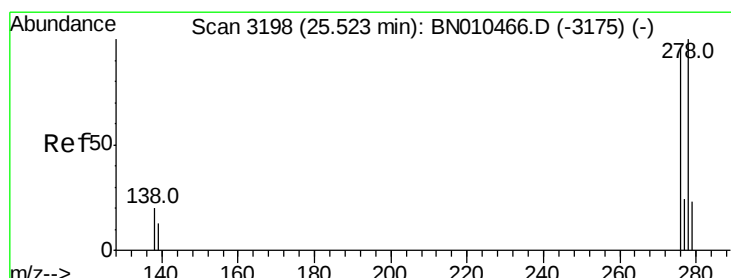
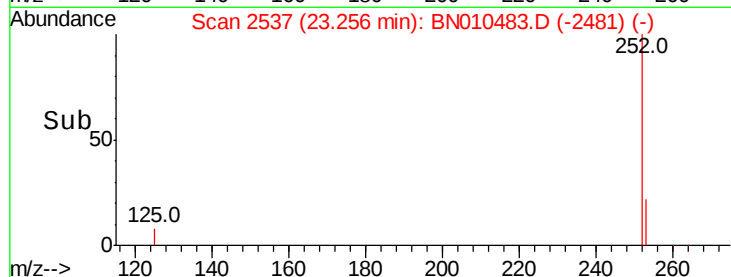
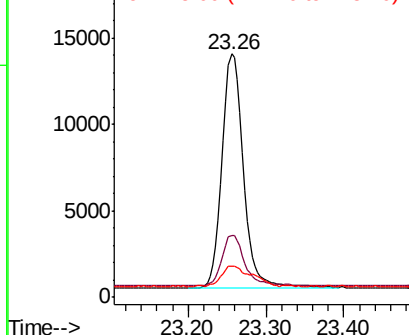


Abundance

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



#38  
Dibenzo(a,h)anthracene  
Concen: 0.493 ng  
RT: 25.51 min Scan# 3196  
Delta R.T. -0.01 min  
Lab File: BN010483.D  
Acq: 14 Apr 2020 17:53

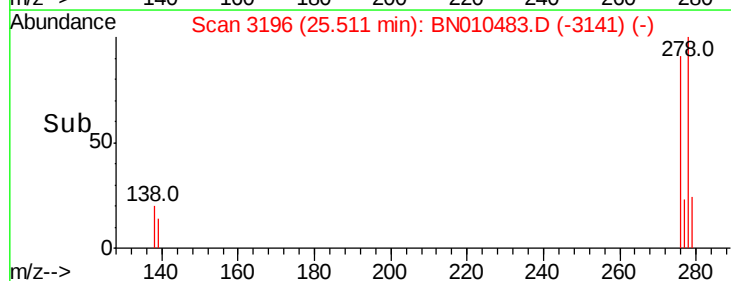
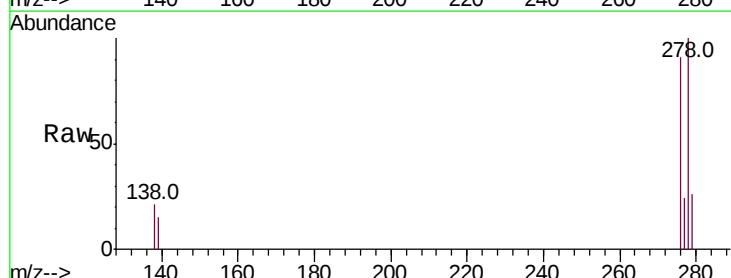
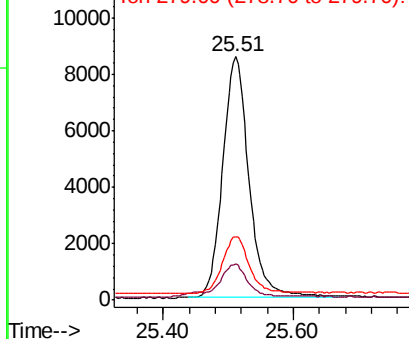
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.8  | 12.3  | 18.5  |
| 279     | 26.2  | 21.9  | 32.9  |

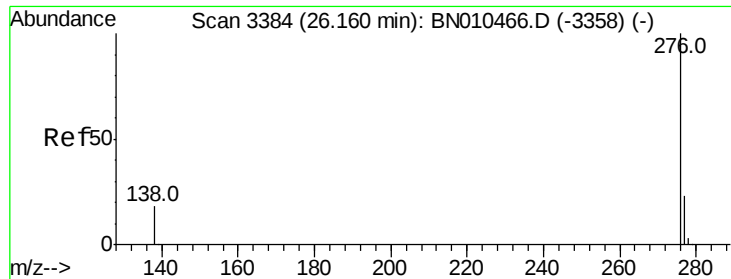
Abundance

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





#39

Benzo(a,h,i)perylene

Concen: 0.512 ng

RT: 26.14 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN010483.D

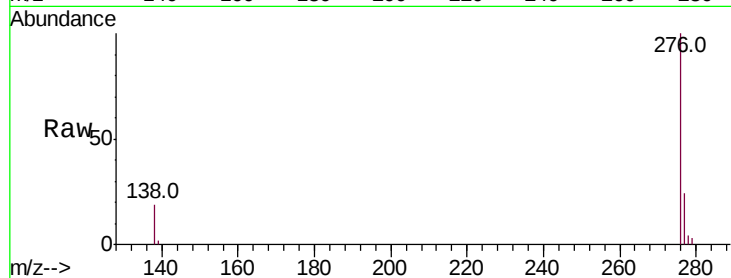
Acq: 14 Apr 2020 17:53

Instrument :

BNA\_N

ClientSampleId :

PB128219BSD



| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 20.2  | 30.2  |
| 138     | 19.0  | 15.4  | 23.2  |

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