

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE041819\  
 Data File : BE099338.D  
 Acq On : 18 Apr 2019 15:34  
 Operator : JU/SJ  
 Sample : PB118927BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB118927BS

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 8:24:58 AM

Quant Time: Apr 19 07:07:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 06:51:38 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 3768     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 14316    | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 9926     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 29472    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 34795    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.86 | 264  | 33606    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.39  | 112 | 3722   | 0.40 | ng | 0.00 |
| 5) Phenol-d6                | 6.98  | 99  | 5319   | 0.40 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 4487   | 0.40 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 10389  | 0.41 | ng | 0.01 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 1339   | 0.41 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 16210  | 0.42 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 137837 | 0.39 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.82 | 244 | 27787  | 0.41 | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 2241   | 0.425  | ng | 94   |
| 3) n-Nitrosodimethylamine      | 3.65  | 42  | 949    | 0.334  | ng | # 1  |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 4928   | 0.402  | ng | 99   |
| 9) Naphthalene                 | 10.65 | 128 | 64542  | 0.413  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 4152   | 0.419  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 10806  | 0.407  | ng | 95   |
| 16) Acenaphthylene             | 14.18 | 152 | 17589  | 0.392  | ng | 99   |
| 17) Acenaphthene               | 14.53 | 154 | 11526  | 0.417  | ng | 96   |
| 18) Fluorene                   | 15.49 | 166 | 16201  | 0.408  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.39 | 248 | 6565   | 0.402  | ng | # 94 |
| 21) Hexachlorobenzene          | 16.49 | 284 | 6378   | 0.406  | ng | 97   |
| 22) Pentachlorophenol          | 16.84 | 266 | 3554   | 0.781  | ng | 99   |
| 23) Phenanthrene               | 17.23 | 178 | 31510  | 0.404  | ng | 99   |
| 24) Anthracene                 | 17.32 | 178 | 27665  | 0.398  | ng | 98   |
| 26) Fluoranthene               | 19.25 | 202 | 41161  | 0.394  | ng | 100  |
| 28) Pyrene                     | 19.61 | 202 | 41606  | 0.406  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 41458  | 0.405  | ng | 99   |
| 31) Chrysene                   | 21.40 | 228 | 43552  | 0.400  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 32920  | 0.354  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.50 | 276 | 45566  | 0.424  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 23.09 | 252 | 40833m | 0.397  | ng |      |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 40898  | 0.399  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.75 | 252 | 36384  | 0.395  | ng | # 96 |
| 38) Dibenzo(a,h)anthracene     | 26.53 | 278 | 37561  | 0.399  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.31 | 276 | 38080  | 0.399  | ng | 98   |

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

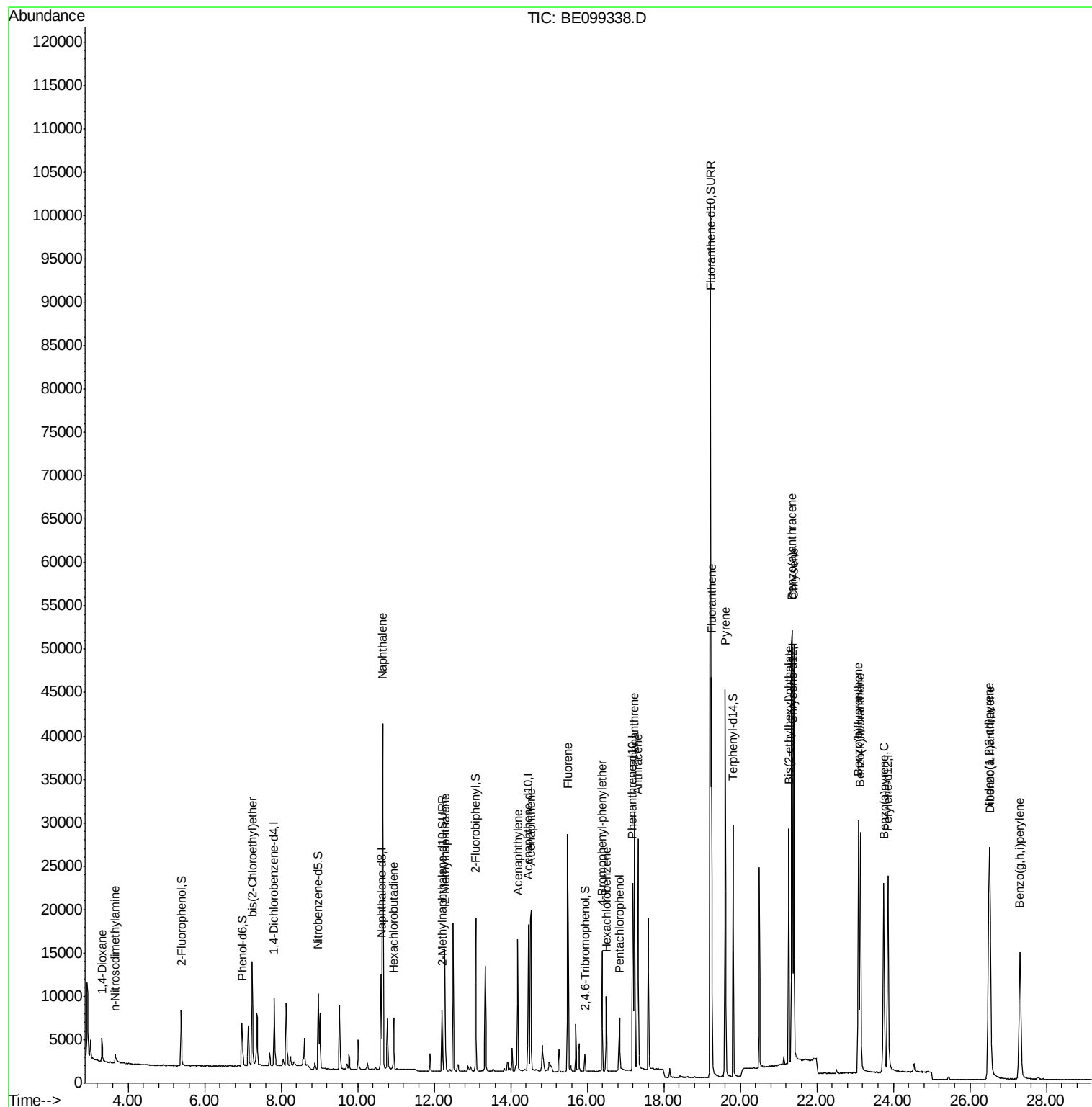
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE041819\  
Data File : BE099338.D  
Acq On : 18 Apr 2019 15:34  
Operator : JU/SJ  
Sample : PB118927BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

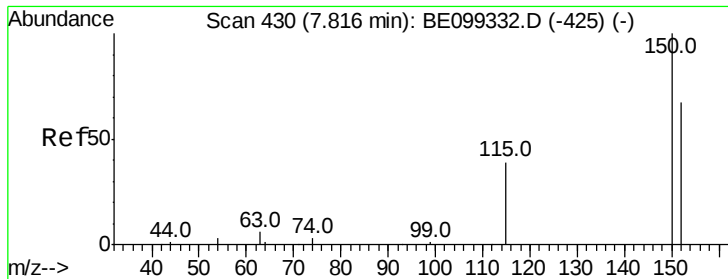
Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 19 06:51:38 2019  
Response via : Initial Calibration





#1

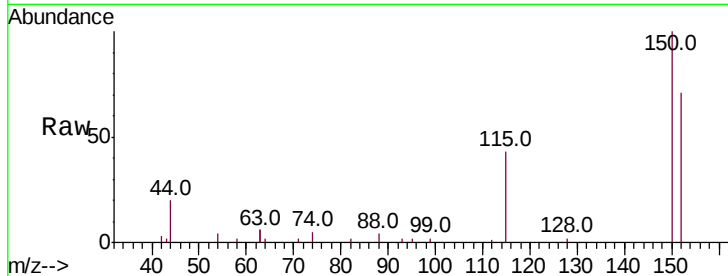
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 139.9 | 119.5 | 179.3 |
| 115     | 59.6  | 47.5  | 71.3  |

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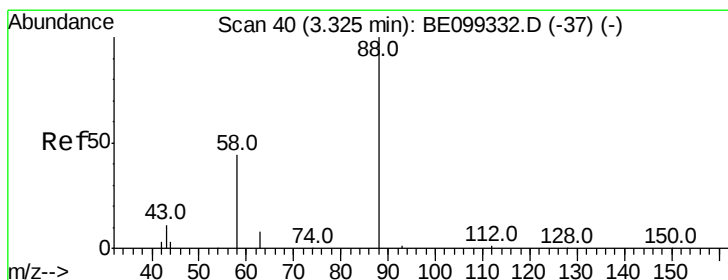
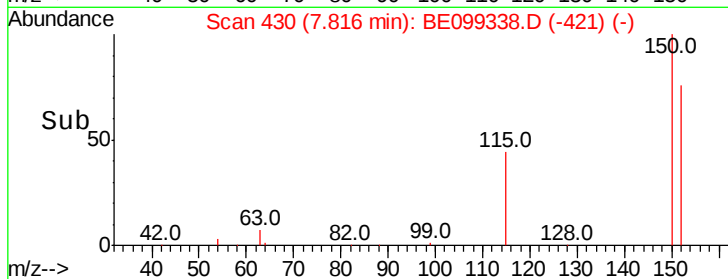
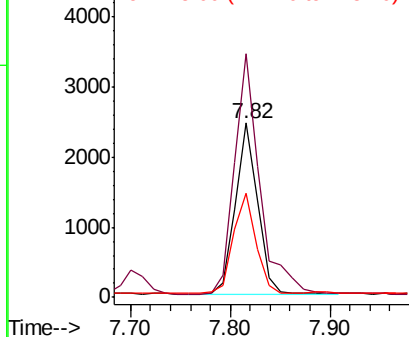


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

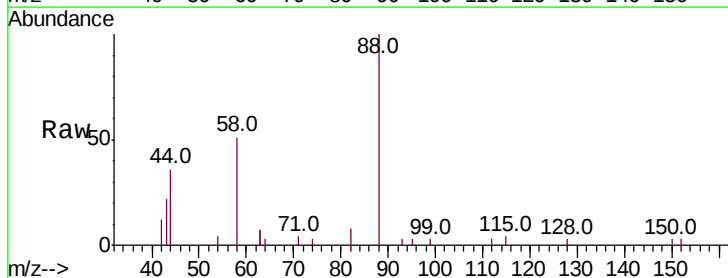
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.425 ng  
RT: 3.31 min Scan# 39  
Delta R.T. -0.01 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 55.9  | 49.1  | 73.7  |
| 43      | 20.8  | 17.9  | 26.9  |

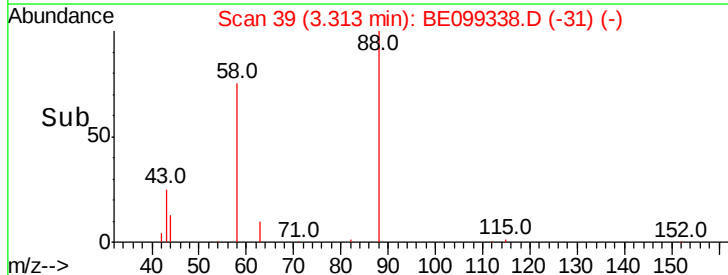
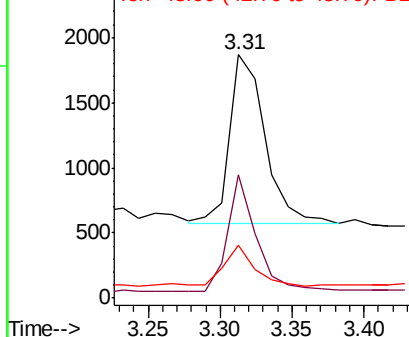


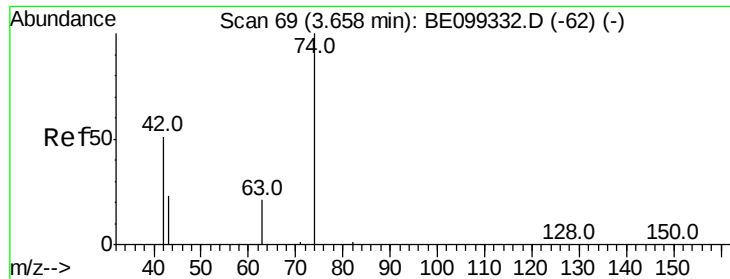
Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

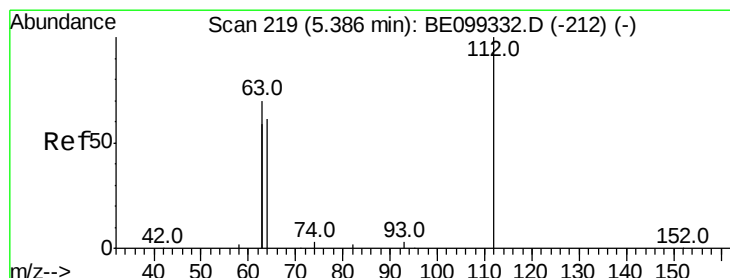
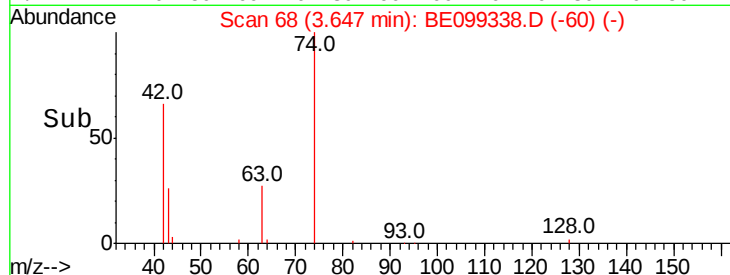
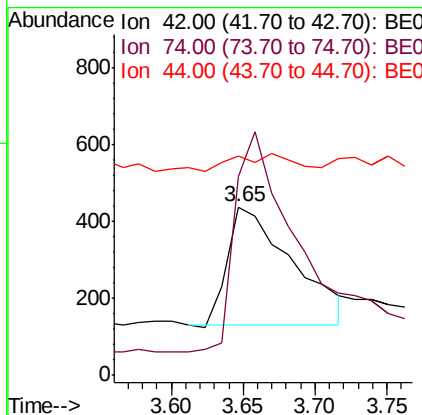
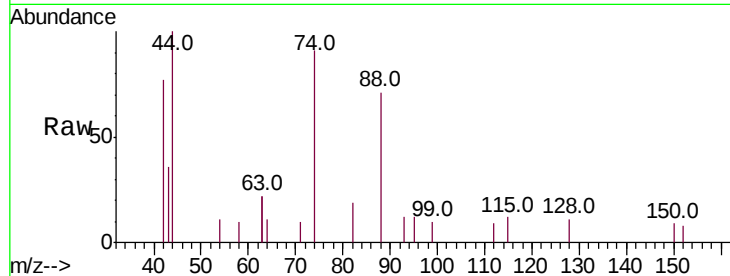
n-Nitrosodimethylamine  
Concen: 0.334 ng  
RT: 3.65 min Scan# 68  
Delta R.T. -0.01 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 0.0   | 145.8 | 218.8# |
| 44      | 0.0   | 9.0   | 13.4#  |

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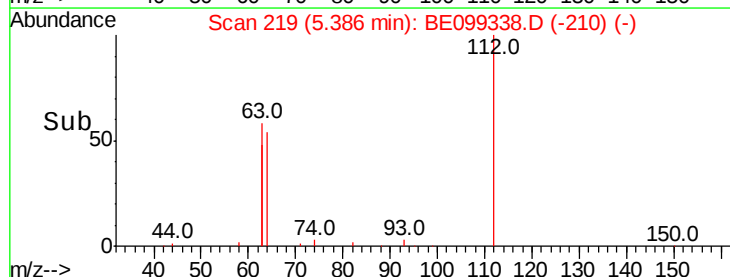
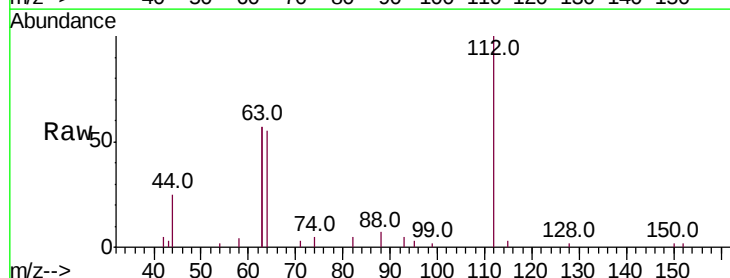
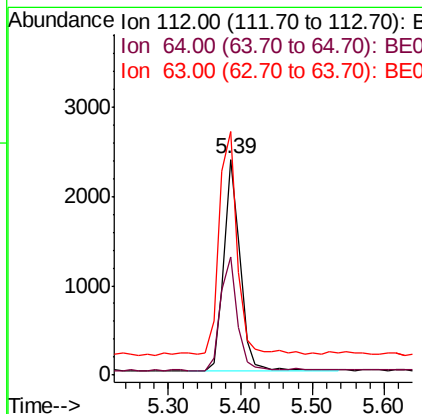
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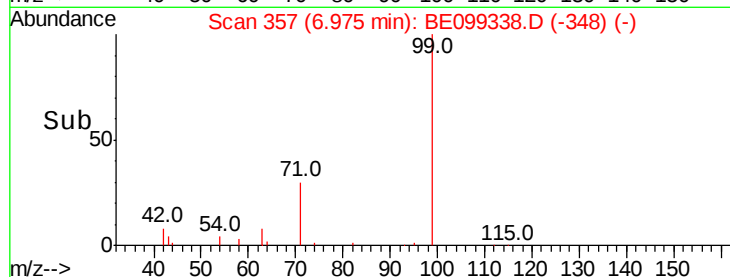
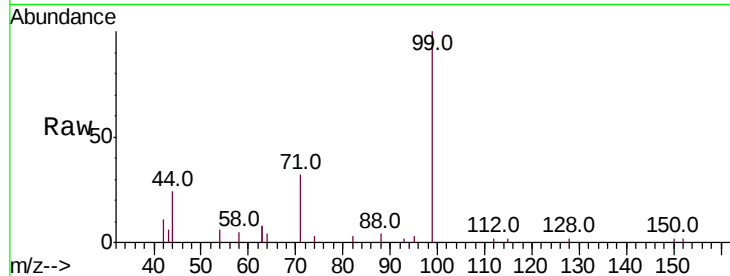
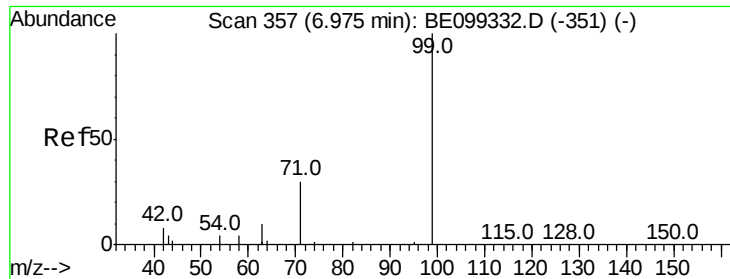


#4

2-Fluorophenol  
Concen: 0.404 ng  
RT: 5.39 min Scan# 219  
Delta R.T. -0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.4  | 44.9  | 67.3  |
| 63      | 116.4 | 97.4  | 146.0 |





#5

Phenol-d6

Concen: 0.405 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 5319  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 15.4  | 11.7  | 17.5  |
| 71       | 35.5  | 29.6  | 44.4  |

Instrument :

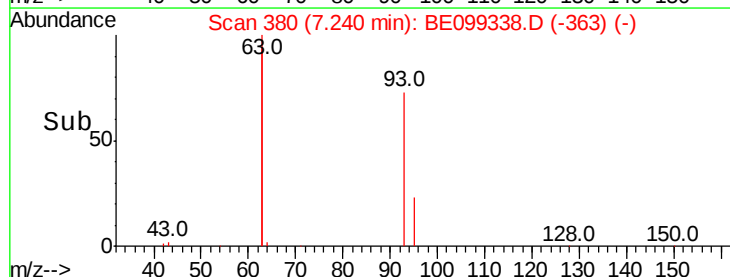
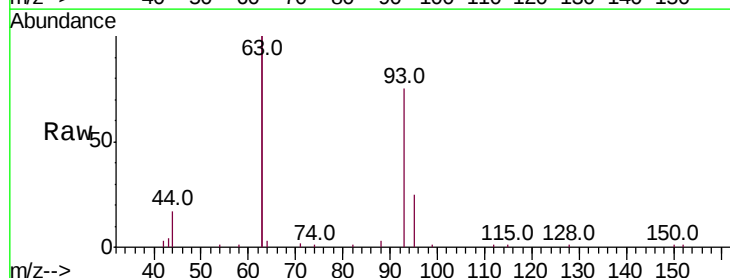
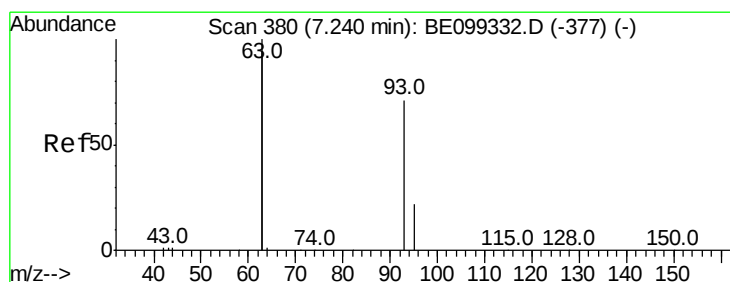
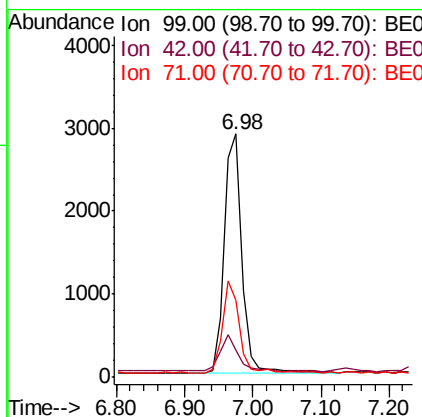
BNA\_E

ClientSampleId :

PB118927BS

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#6

bis(2-Chloroethyl)ether

Concen: 0.402 ng

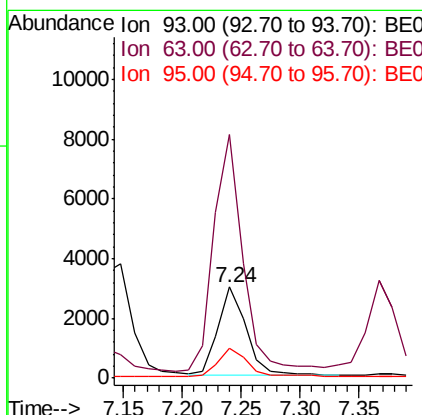
RT: 7.24 min Scan# 380

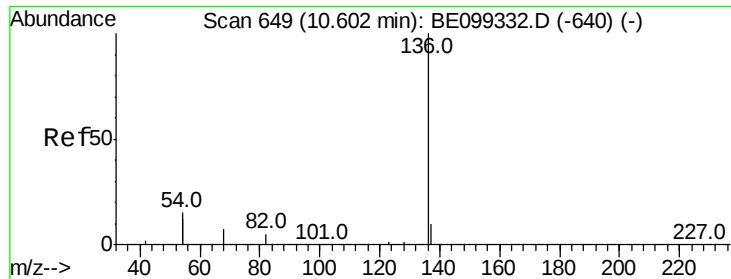
Delta R.T. -0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4928  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 272.3 | 216.6 | 324.8 |
| 95       | 32.8  | 25.8  | 38.6  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

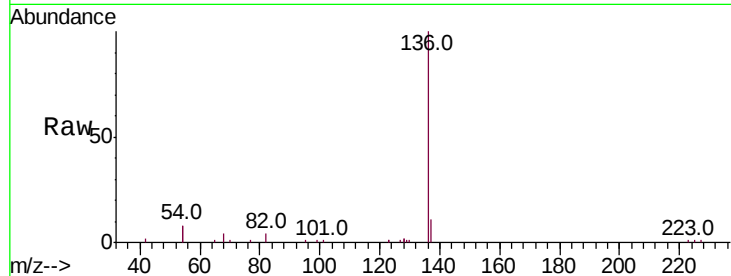
ClientSampleId :

PB118927BS

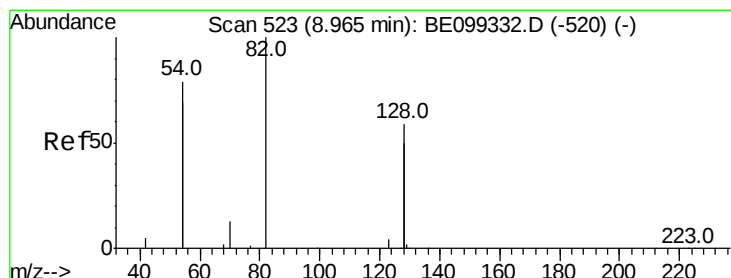
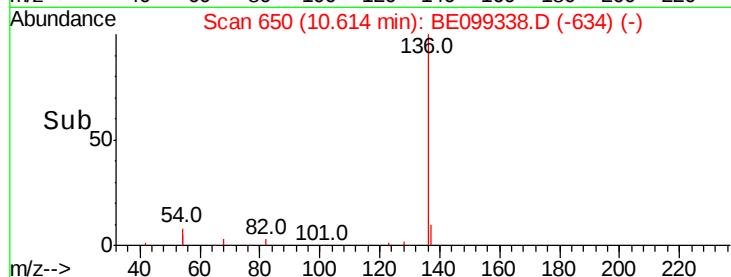
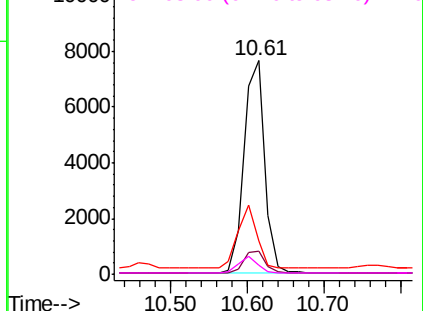
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.0  | 8.7  | 13.1  |       |
| 54      | 15.5  | 23.8 | 35.8  |       |
| 68      | 4.1   | 6.4  | 9.6   |       |

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Abundance Ion 136.00 (135.70 to 136.70): E  
12000  
Ion 137.00 (136.70 to 137.70): E  
10000  
Ion 54.00 (53.70 to 54.70): BE0  
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.404 ng

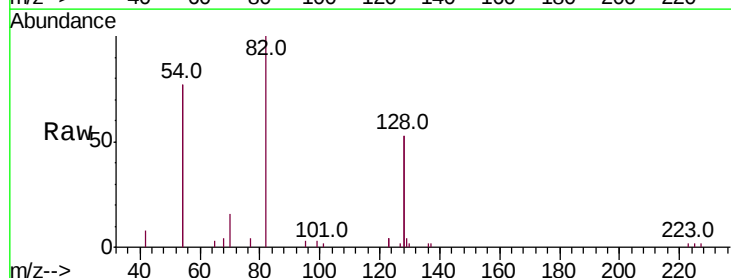
RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

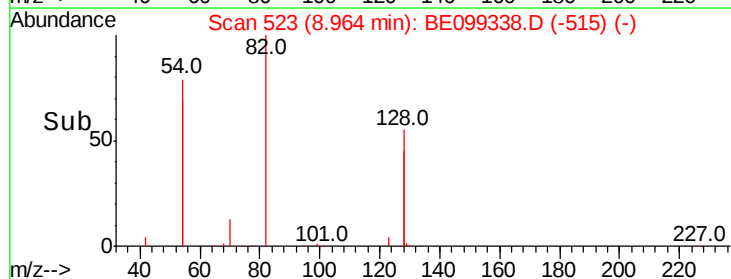
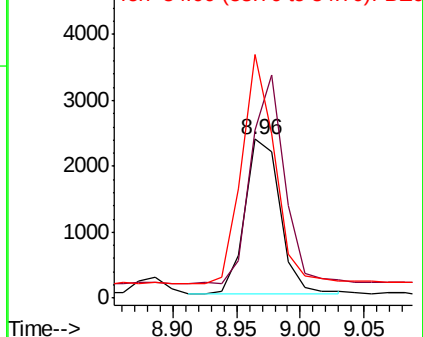
Lab File: BE099338.D

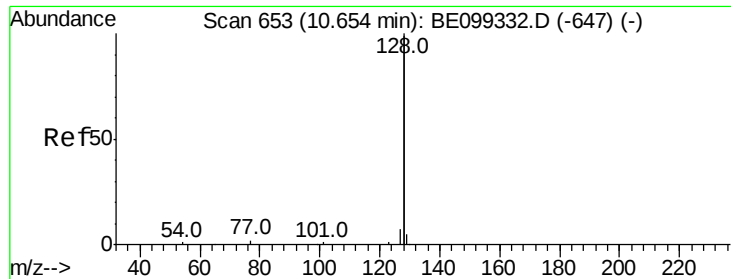
Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   |       |       |       |
| 128     | 105.7 | 91.7  | 137.5 |       |
| 54      | 153.1 | 122.8 | 184.2 |       |



Abundance Ion 82.00 (81.70 to 82.70): BE0  
5000  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.413 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

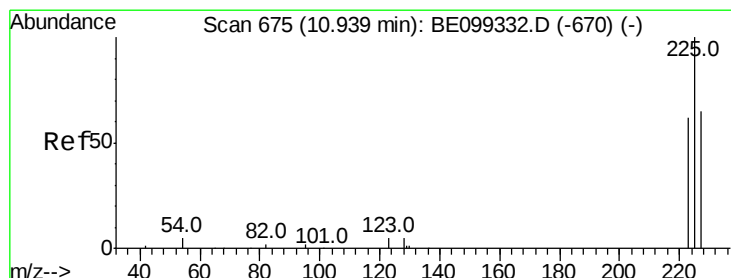
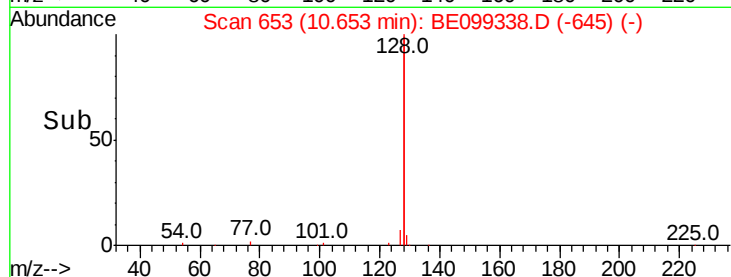
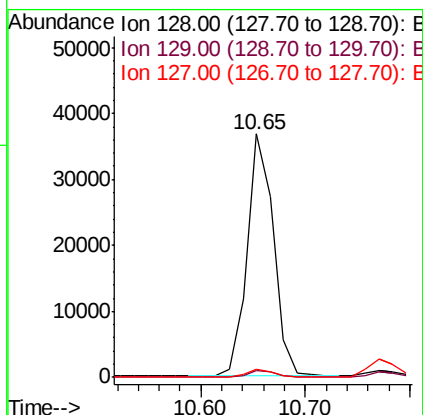
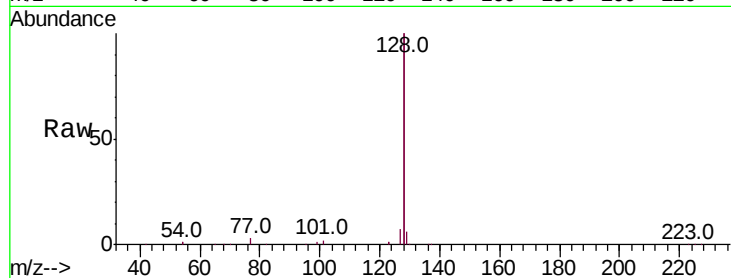
ClientSampleId :

PB118927BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 64542 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 2.8   | 2.3   | 3.5   |
| 127       | 3.4   | 2.8   | 4.2   |

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#10

Hexachlorobutadiene

Concen: 0.419 ng

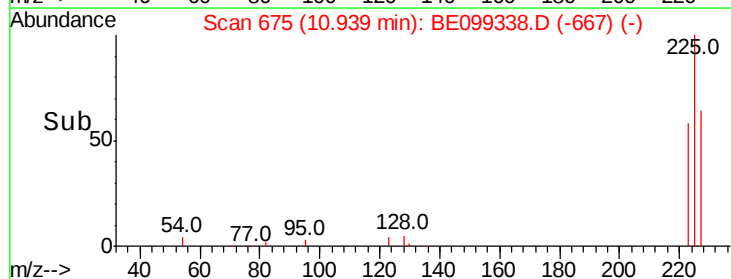
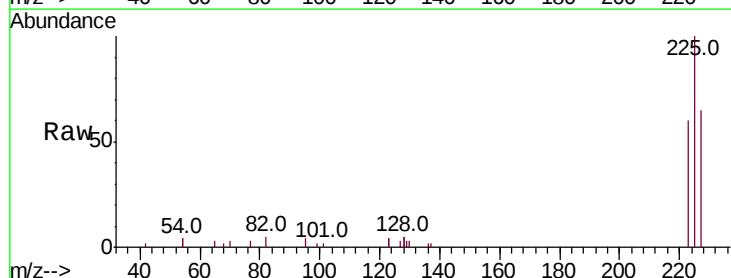
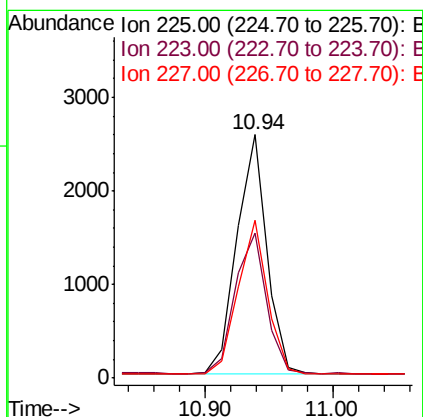
RT: 10.94 min Scan# 675

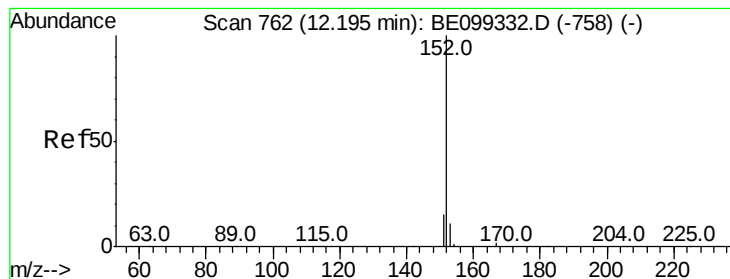
Delta R.T. -0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4152 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 61.3  | 50.3  | 75.5 |
| 227       | 63.1  | 49.4  | 74.0 |





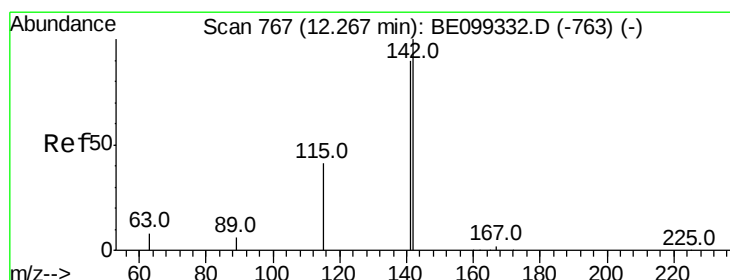
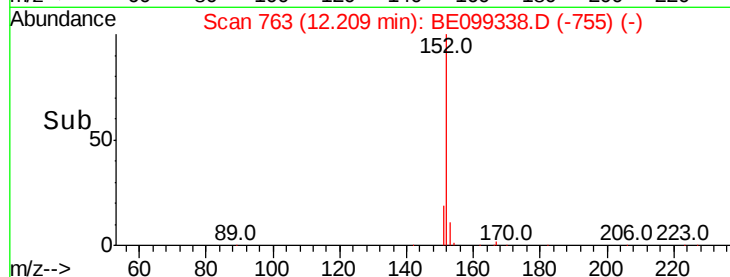
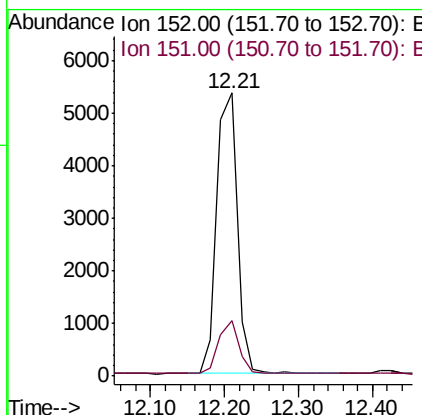
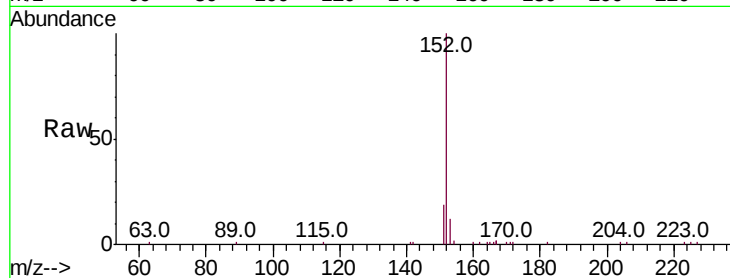
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.411 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. 0.01 min  
 Lab File: BE099338.D  
 Acq: 18 Apr 2019 15:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.9  | 14.9  | 22.3  |

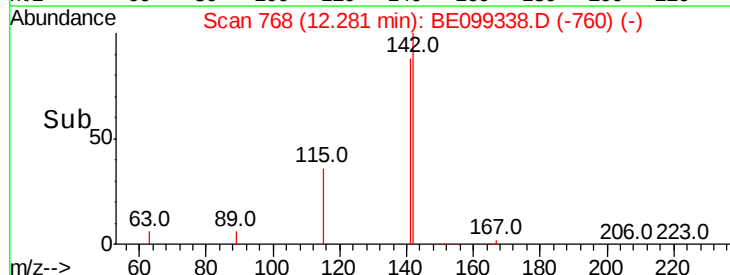
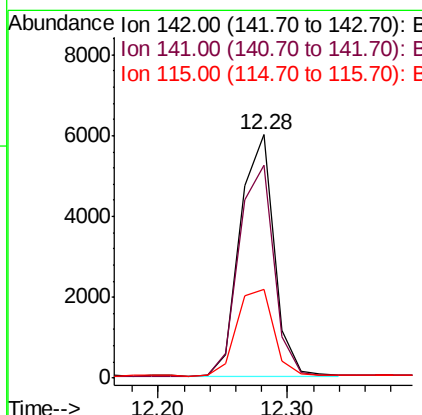
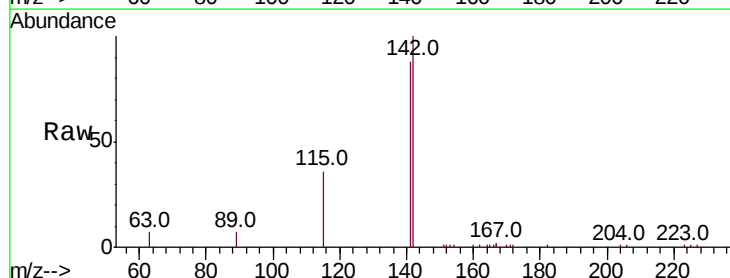
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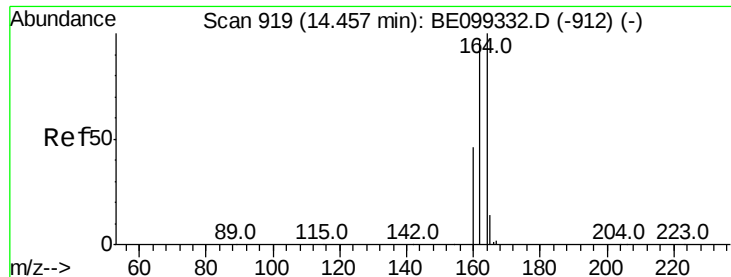
Sohil  
 4/23/2019 8:24:58 AM



#12  
 2-Methylnaphthalene  
 Concen: 0.407 ng  
 RT: 12.28 min Scan# 768  
 Delta R.T. 0.01 min  
 Lab File: BE099338.D  
 Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.5  | 72.0  | 108.0 |
| 115     | 36.3  | 33.4  | 50.0  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

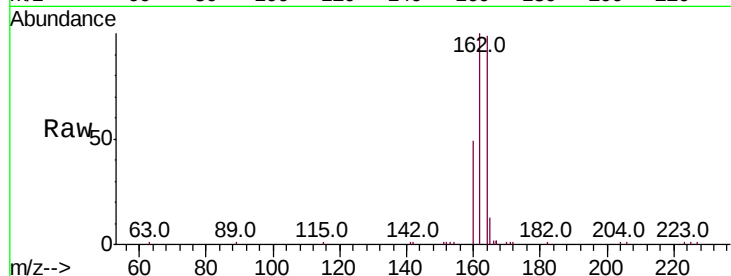
ClientSampleId :

PB118927BS

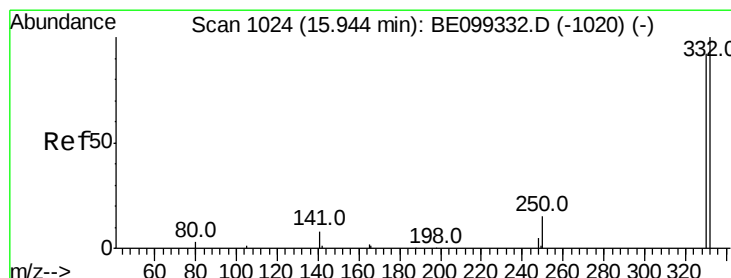
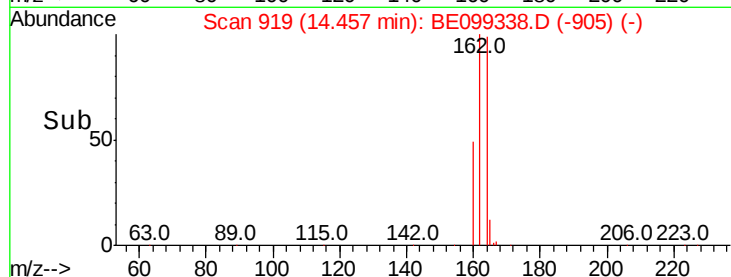
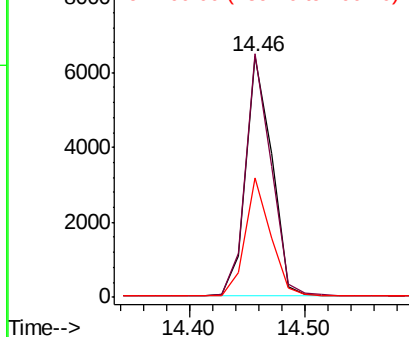
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 9926  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 101.0 | 77.8  | 116.6 |
| 160      | 49.3  | 37.1  | 55.7  |

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Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.406 ng

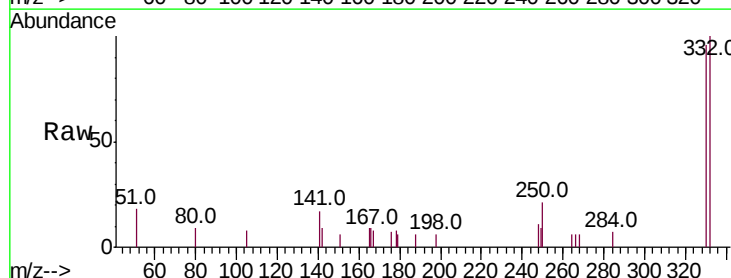
RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

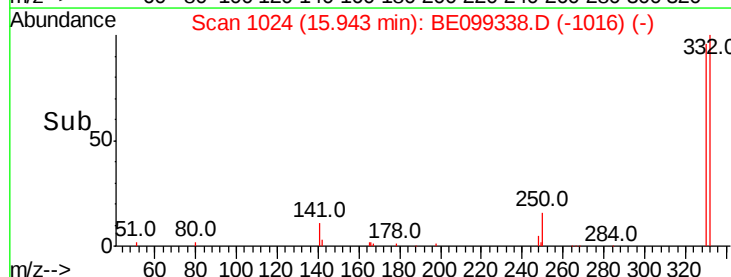
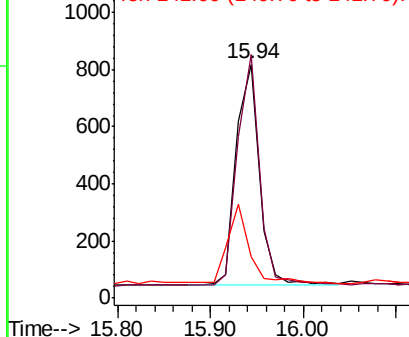
Lab File: BE099338.D

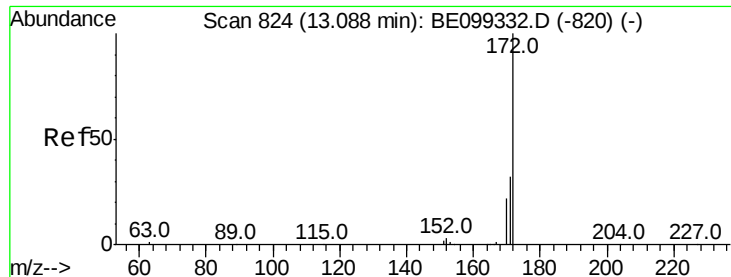
Acq: 18 Apr 2019 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 1339  |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 97.6  | 82.5  | 123.7 |
| 141      | 34.4  | 24.9  | 37.3  |



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





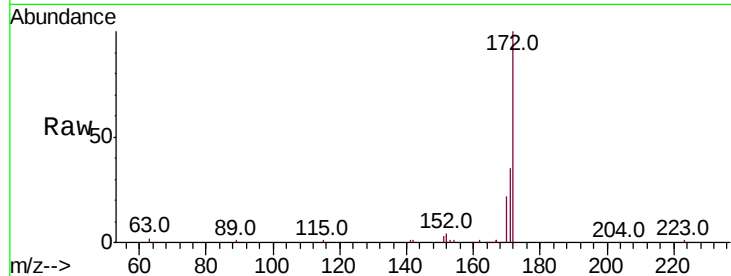
#15  
2-Fluorobiphenyl  
Concen: 0.415 ng  
RT: 13.09 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 26.2  | 39.2  |
| 170     | 22.1  | 18.1  | 27.1  |

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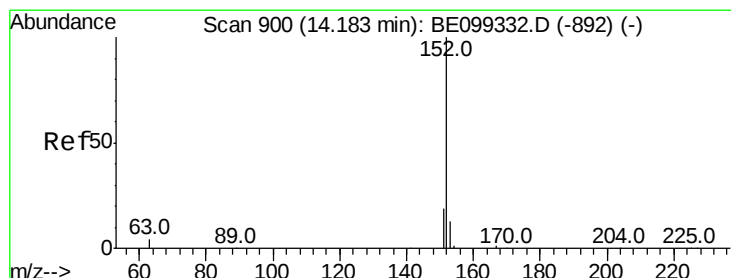
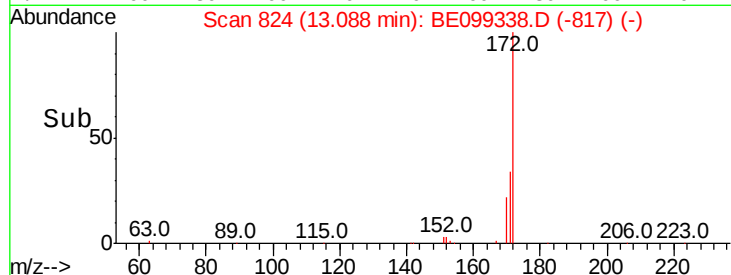
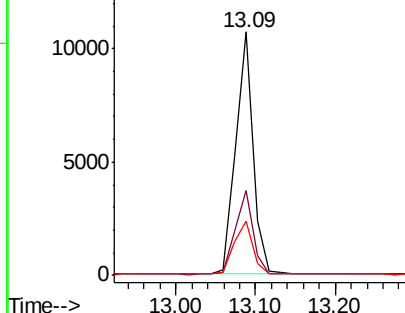


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16  
Acenaphthylene  
Concen: 0.392 ng  
RT: 14.18 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

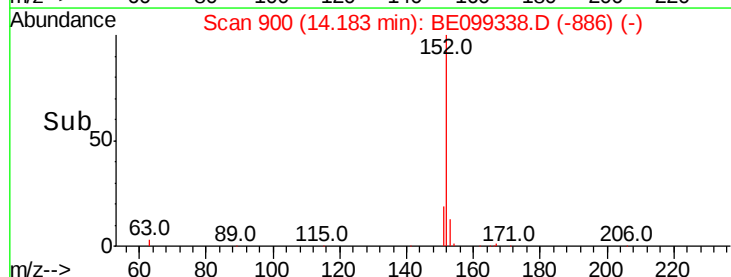
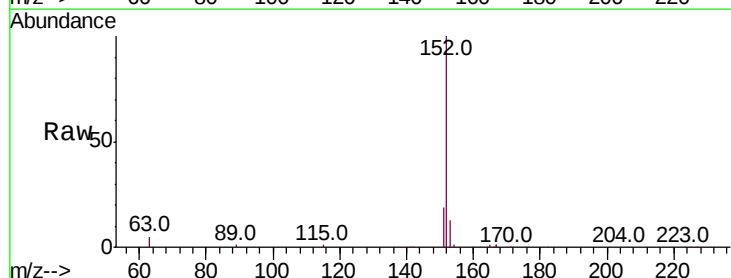
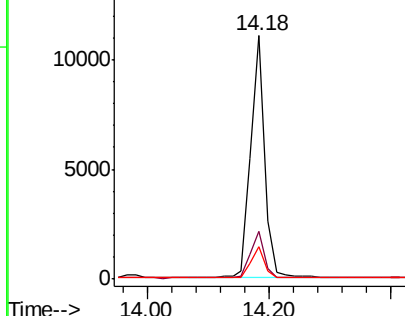
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.9  | 15.5  | 23.3  |
| 153     | 12.7  | 10.2  | 15.4  |

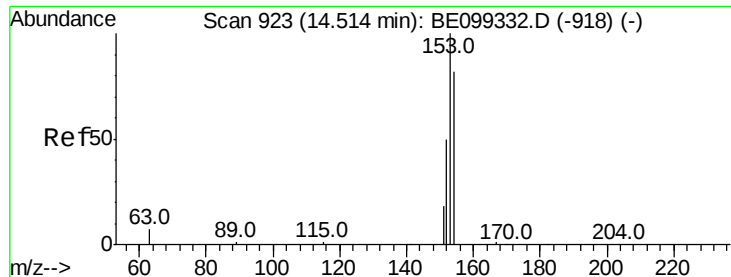
Abundance

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





#17

Acenaphthene

Concen: 0.417 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

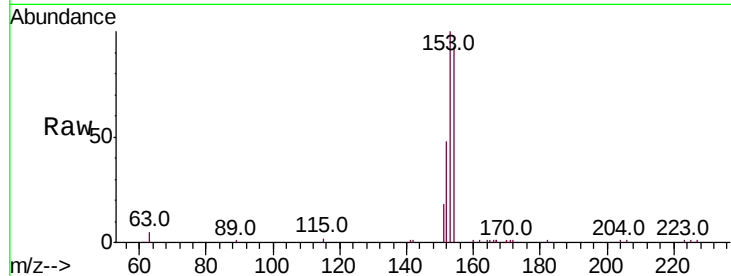
ClientSampleId :

PB118927BS

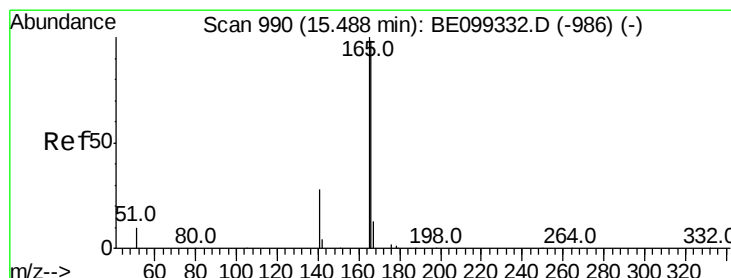
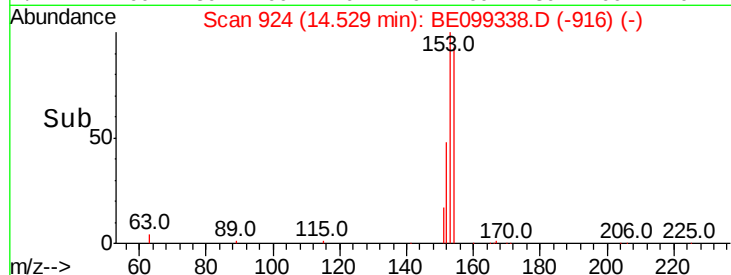
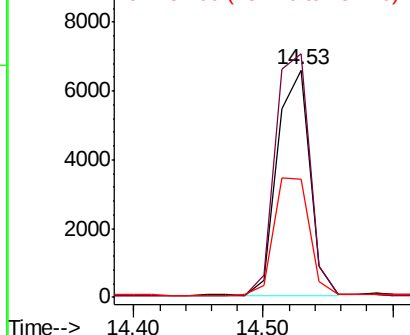
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.2 | 94.7  | 142.1 |
| 152     | 56.2  | 46.4  | 69.6  |

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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: 0.408 ng

RT: 15.49 min Scan# 990

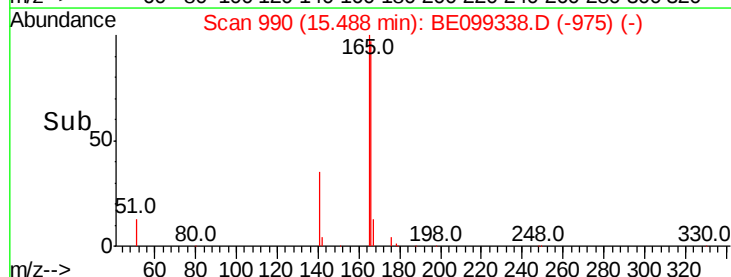
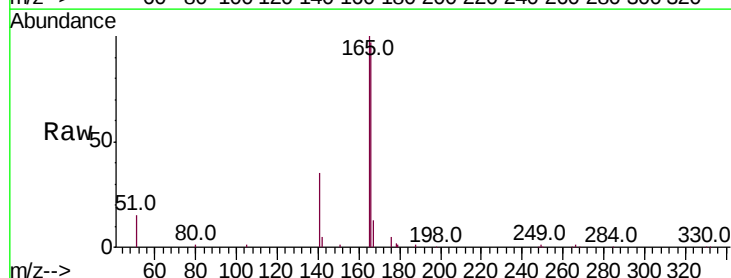
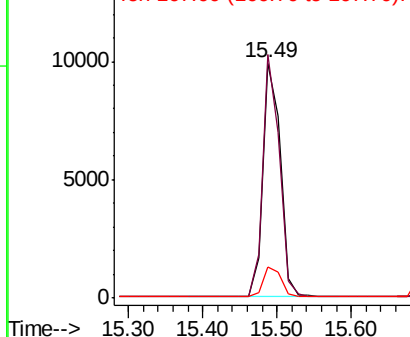
Delta R.T. -0.00 min

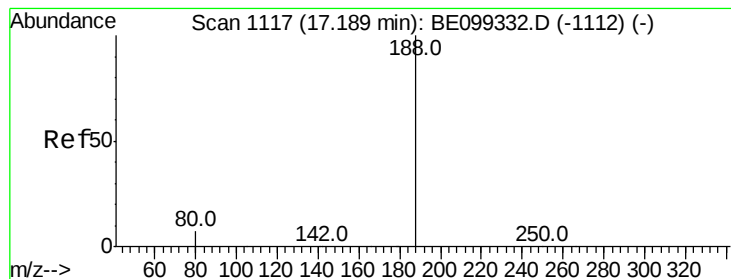
Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.5  | 79.7  | 119.5 |
| 167     | 13.5  | 11.0  | 16.4  |

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: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

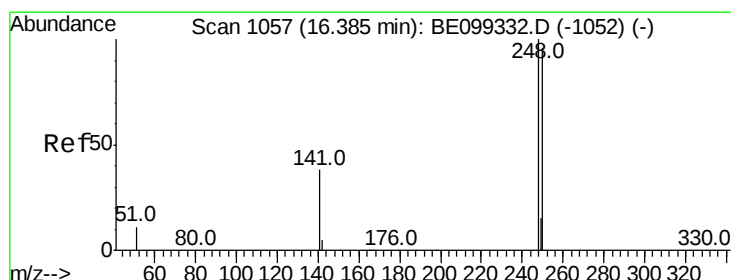
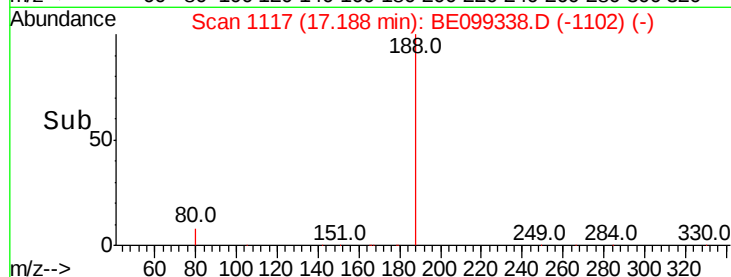
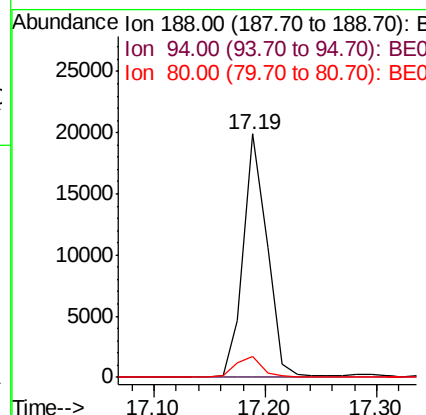
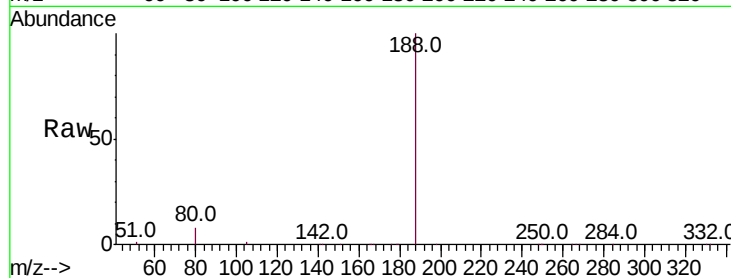
ClientSampled :

PB118927BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 29472 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 8.5   | 6.2   | 9.4   |

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#20

4-Bromophenyl-phenylether

Concen: 0.402 ng

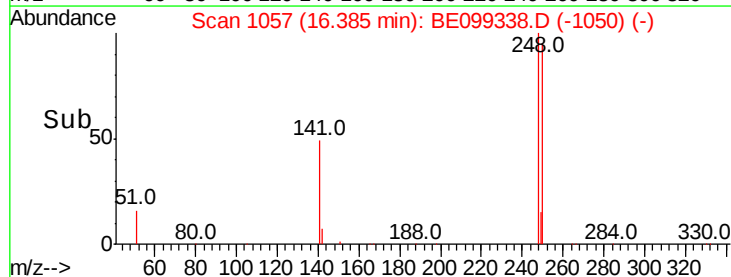
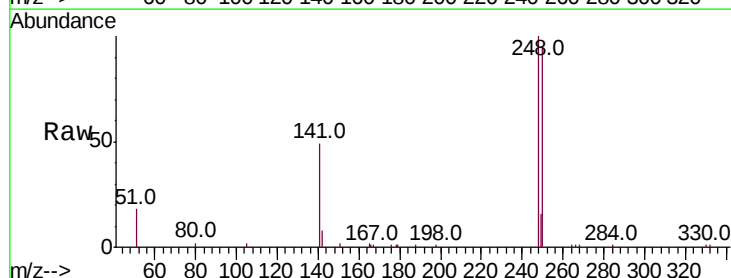
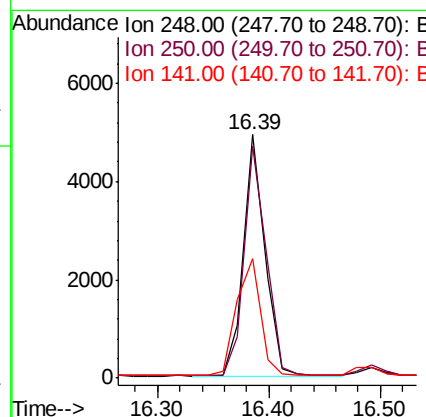
RT: 16.39 min Scan# 1057

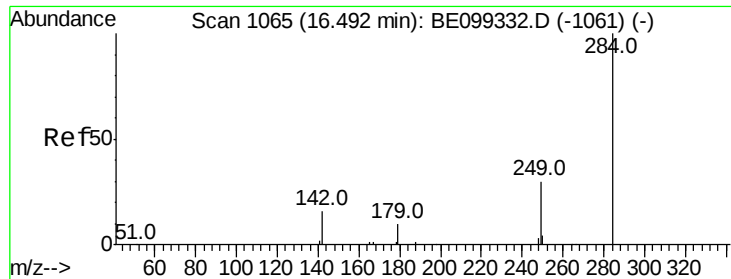
Delta R.T. -0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 6565  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 95.4  | 77.0  | 115.6 |
| 141       | 49.3  | 31.1  | 46.7# |





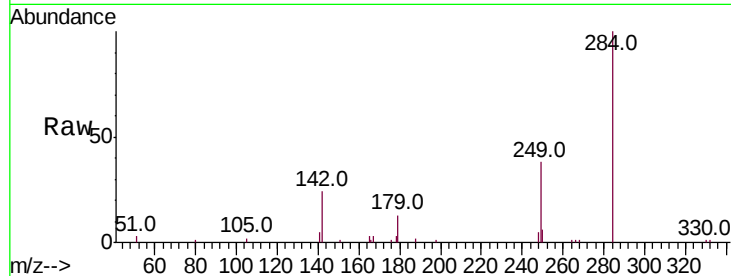
#21  
Hexachlorobenzene  
Concen: 0.406 ng  
RT: 16.49 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 28.4  | 21.8  | 32.6  |
| 249     | 34.7  | 26.2  | 39.4  |

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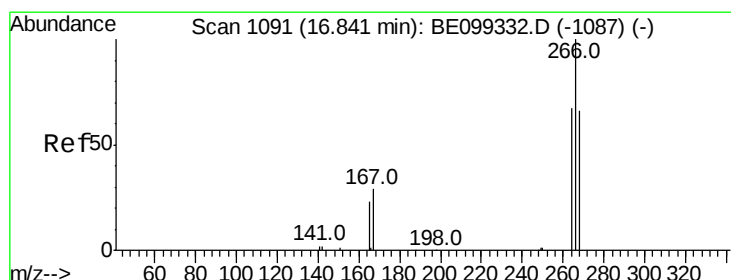
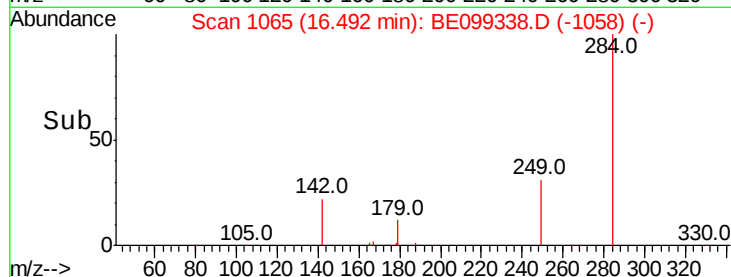
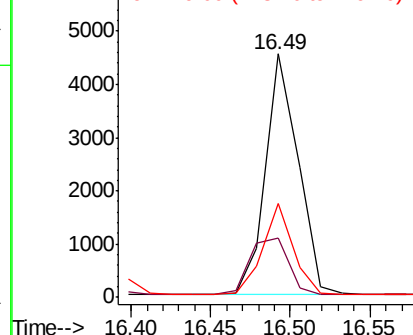


Abundance

Ion 283.80 (283.50 to 284.50): E

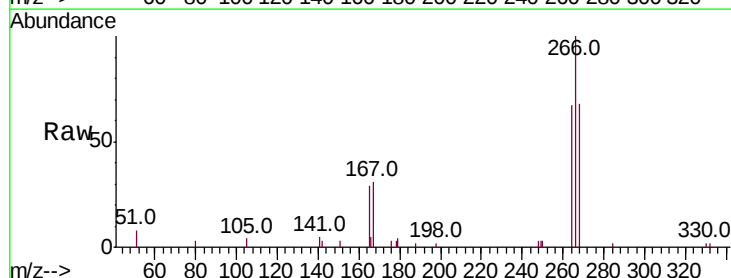
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22  
Pentachlorophenol  
Concen: 0.781 ng  
RT: 16.84 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 66.7  | 54.5  | 81.7  |
| 268     | 68.0  | 54.3  | 81.5  |

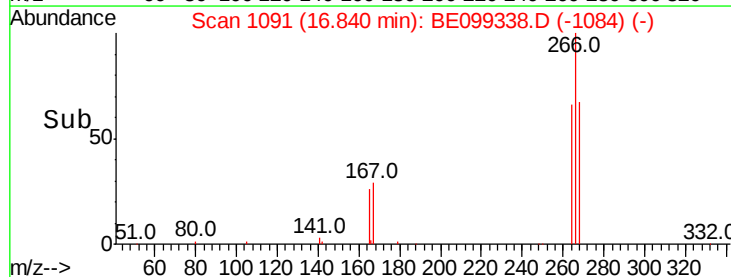
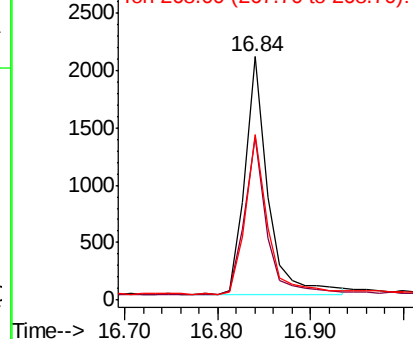


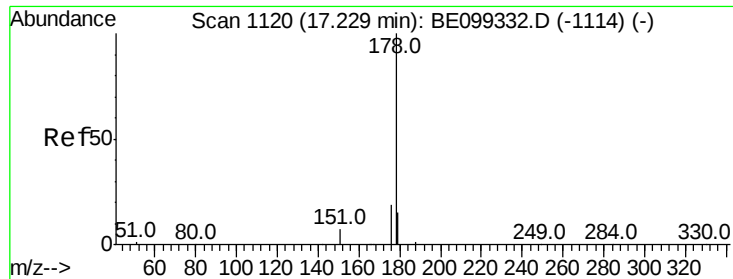
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





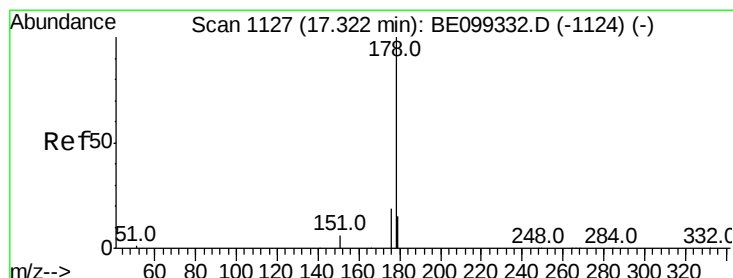
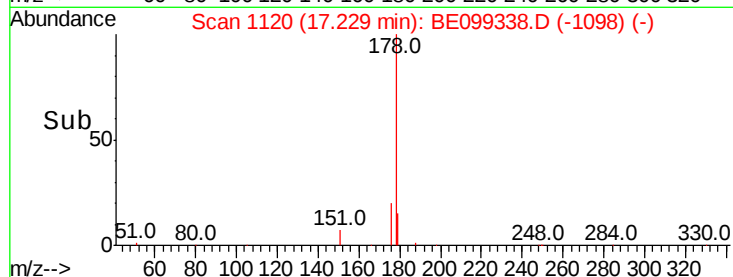
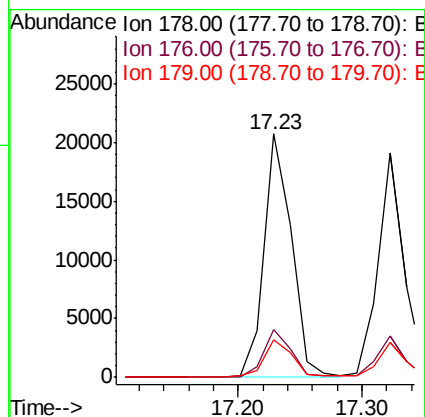
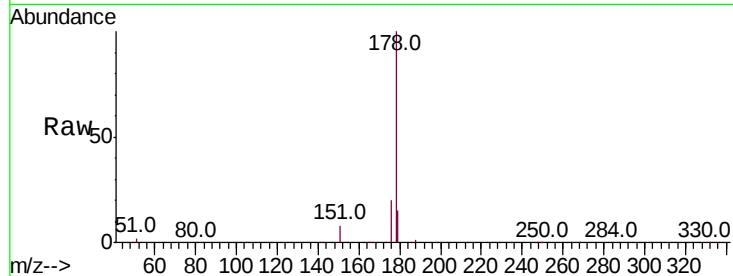
#23  
Phenanthrene  
Concen: 0.404 ng  
RT: 17.23 min Scan# 1120  
Delta R.T. -0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampled :  
PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.3  | 22.9  |
| 179     | 15.4  | 12.4  | 18.6  |

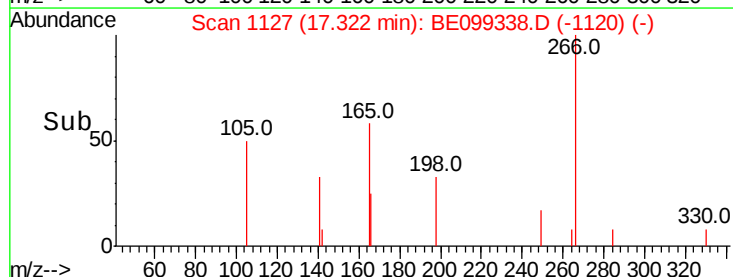
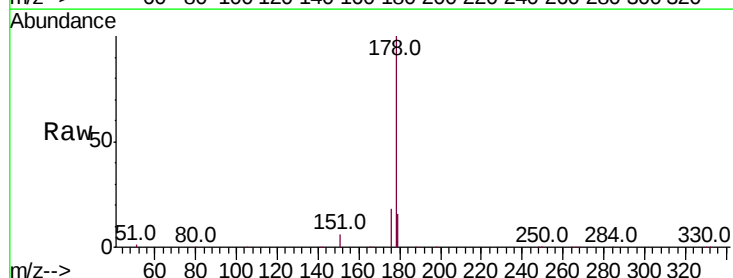
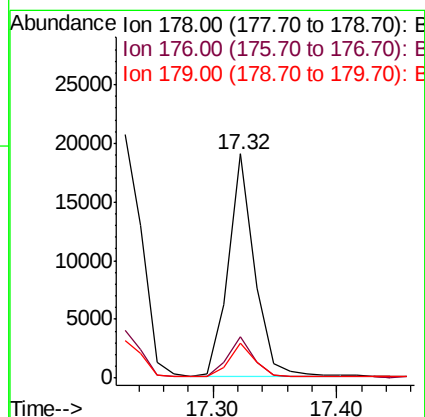
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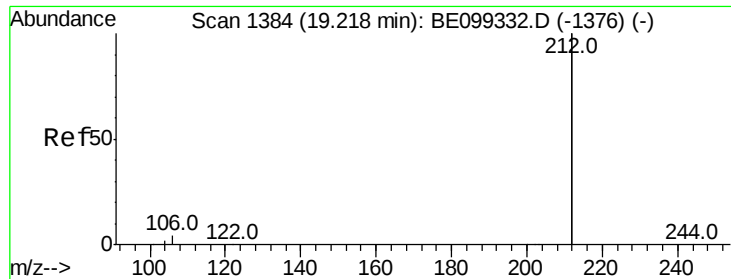
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#24  
Anthracene  
Concen: 0.398 ng  
RT: 17.32 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.7  | 15.1  | 22.7  |
| 179     | 15.3  | 11.9  | 17.9  |





#25

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

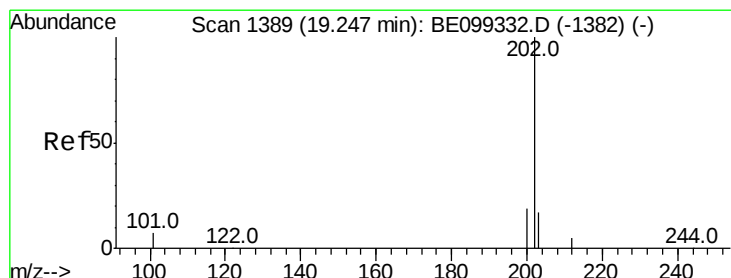
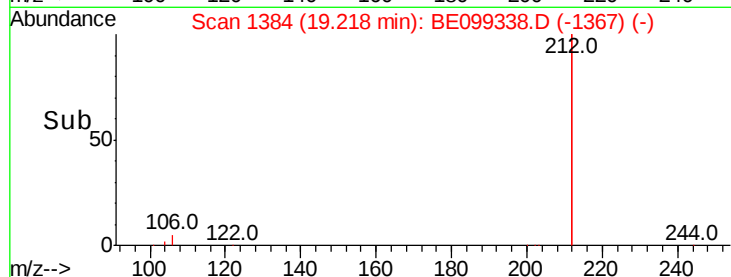
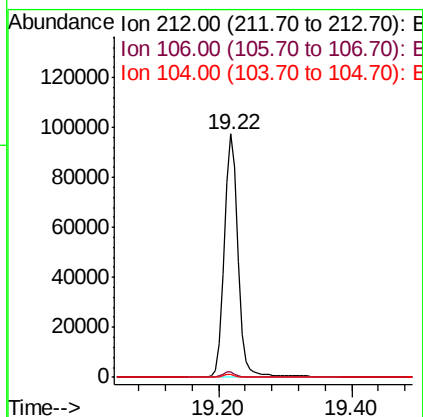
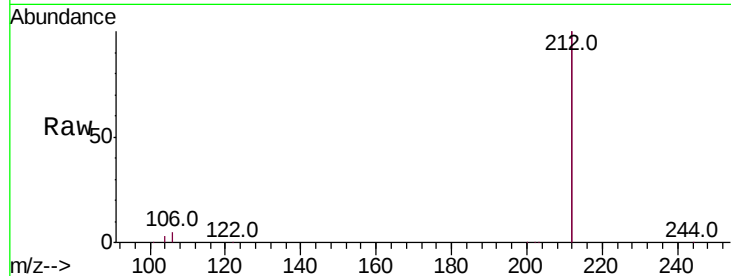
ClientSampleId :

PB118927BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 212   | Resp: | 137837 |
| Ion Ratio | Lower | Upper |        |
| 212       | 100   |       |        |
| 106       | 2.2   | 1.8   | 2.6    |
| 104       | 1.3   | 1.0   | 1.4    |

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#26

Fluoranthene

Concen: 0.394 ng

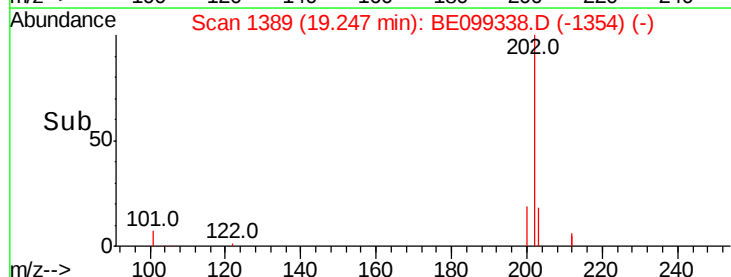
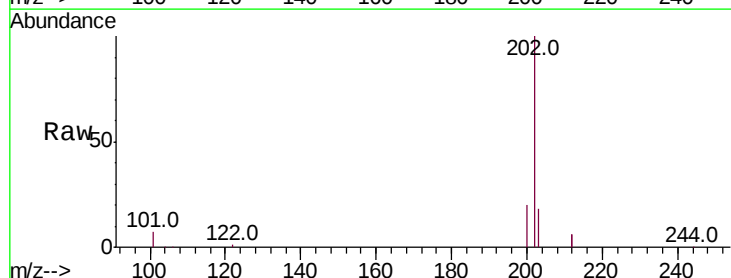
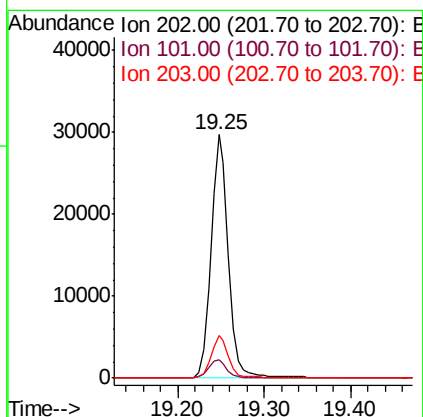
RT: 19.25 min Scan# 1389

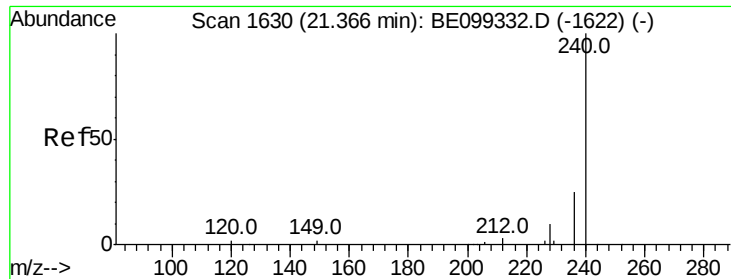
Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 41161 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.8   | 6.4   | 9.6   |
| 203       | 17.0  | 13.5  | 20.3  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

ClientSampleId :

PB118927BS

Tot Ion:240 Resp: 34795

Ion Ratio Lower Upper

240 100

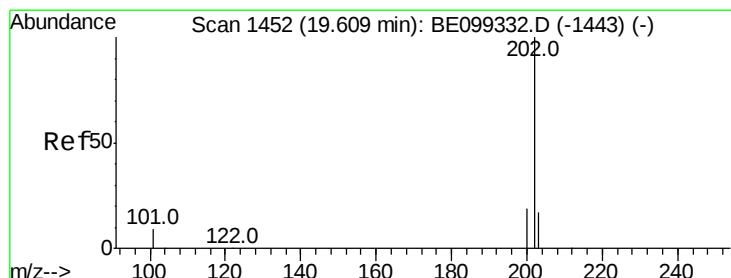
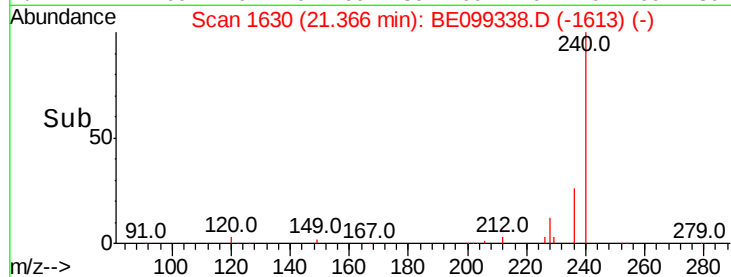
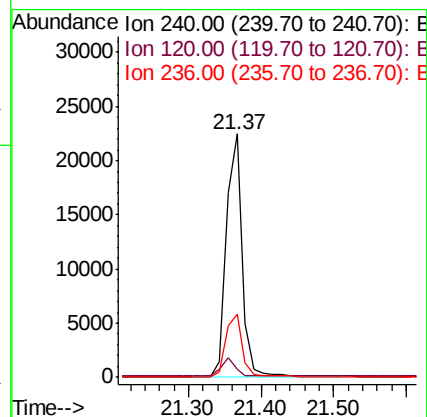
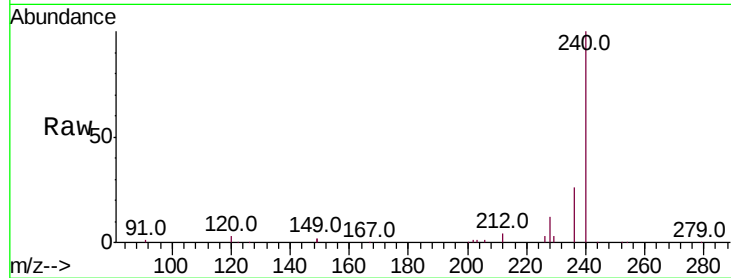
120 3.2 2.2 3.2

236 26.2 20.2 30.4

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Sohil

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#28

Pyrene

Concen: 0.406 ng

RT: 19.61 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

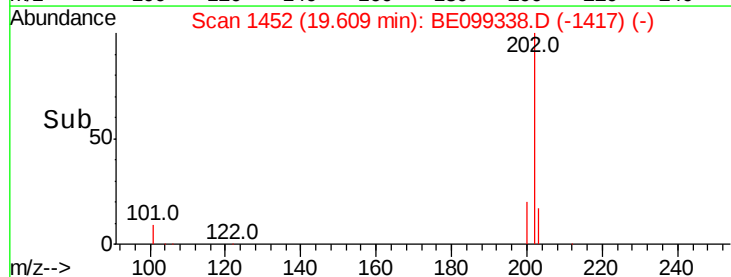
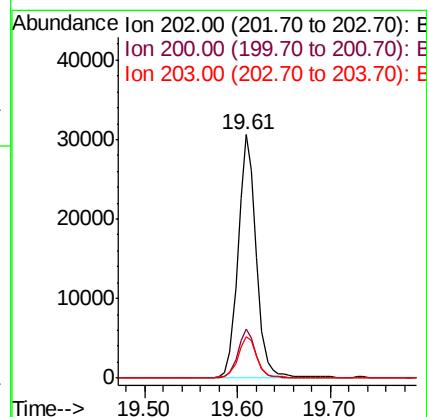
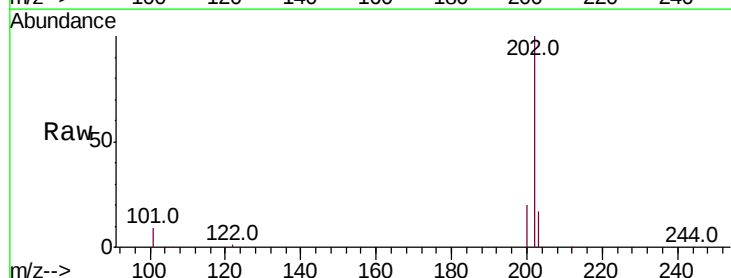
Tgt Ion:202 Resp: 41606

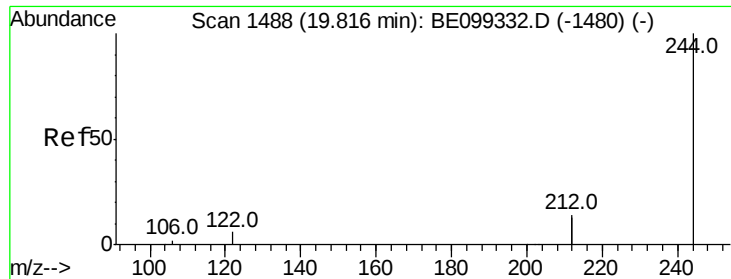
Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 17.6 13.7 20.5





#29

Terphenyl-d14

Concen: 0.406 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

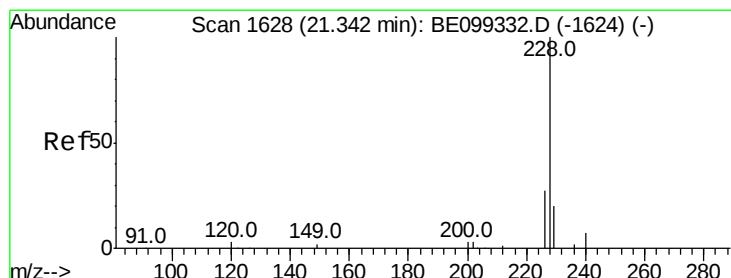
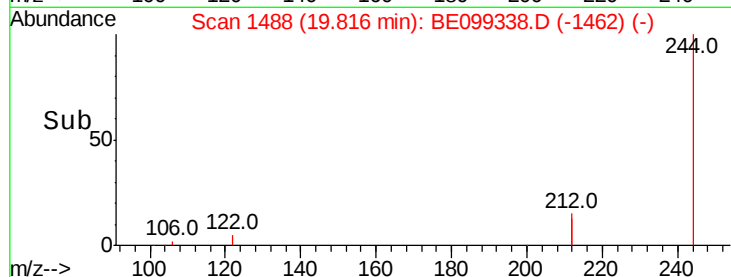
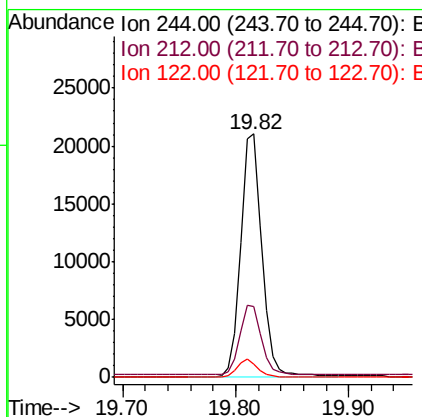
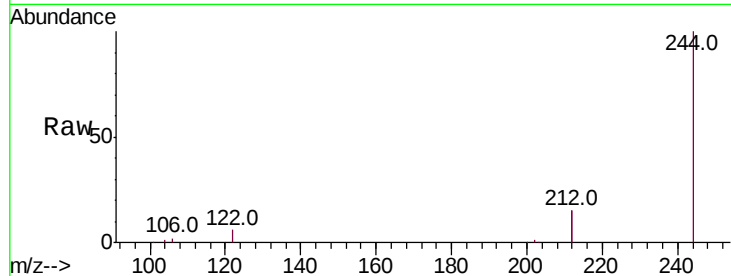
ClientSampled :

PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 29.1  | 22.6  | 33.8  |
| 122     | 5.6   | 4.6   | 7.0   |

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#30

Benzo(a)anthracene

Concen: 0.405 ng

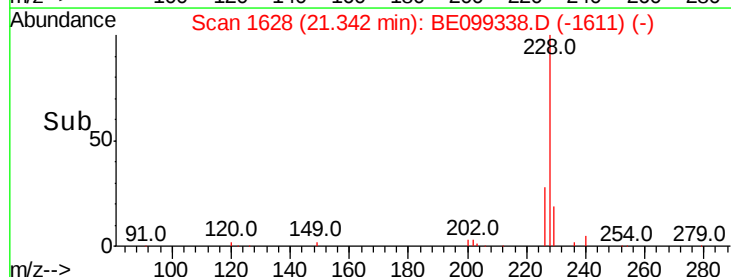
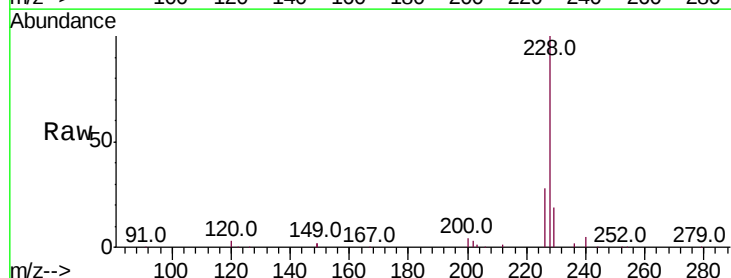
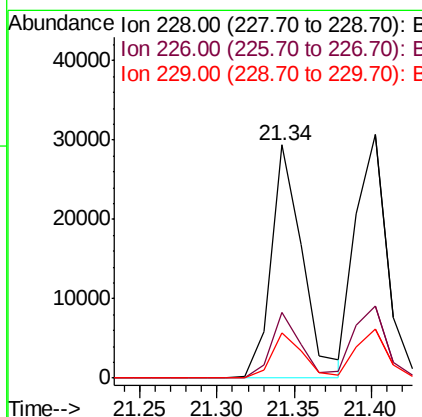
RT: 21.34 min Scan# 1628

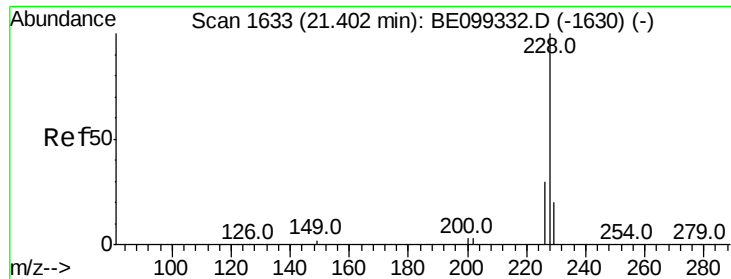
Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.0  | 22.0  | 33.0  |
| 229     | 19.3  | 15.8  | 23.8  |





#31

Chrysene

Concen: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

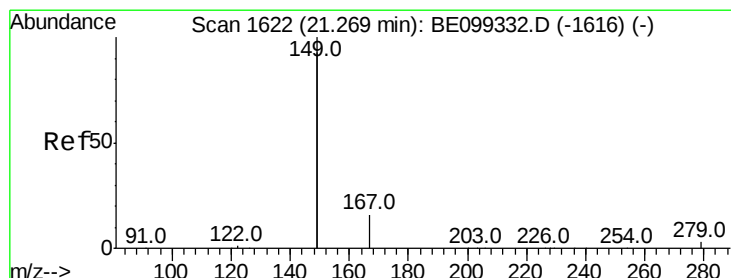
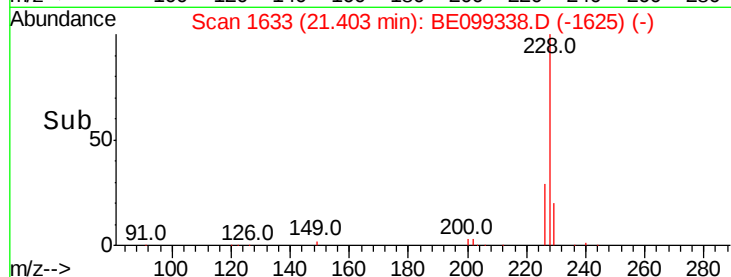
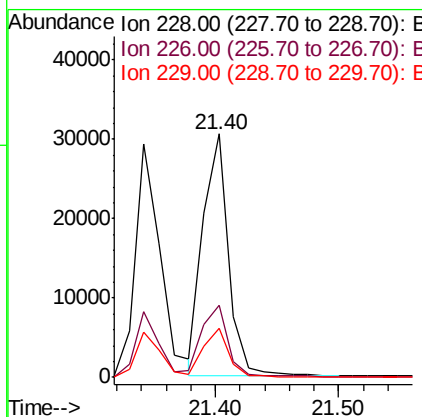
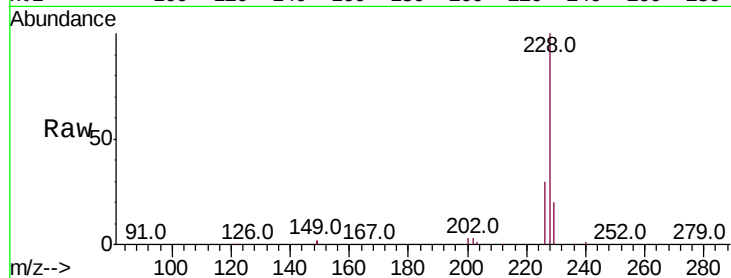
ClientSampled :

PB118927BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 43552 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.6  | 23.4  | 35.2  |
| 229       | 20.2  | 16.2  | 24.2  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.354 ng

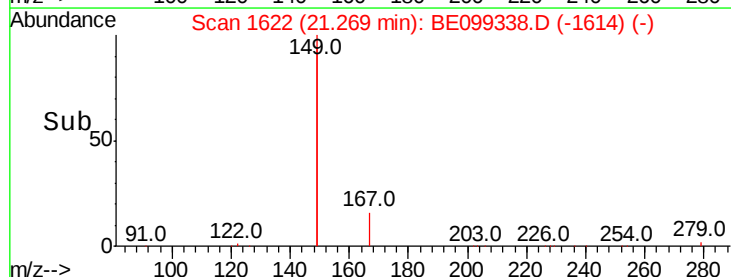
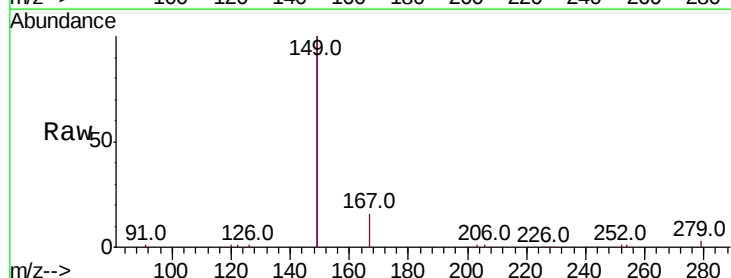
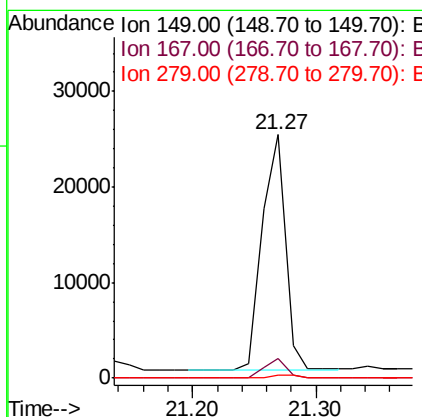
RT: 21.27 min Scan# 1622

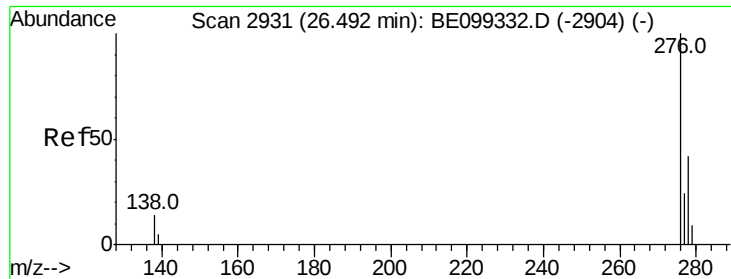
Delta R.T. 0.00 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 32920 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.6   | 6.0   | 9.0   |
| 279       | 1.3   | 1.1   | 1.7   |





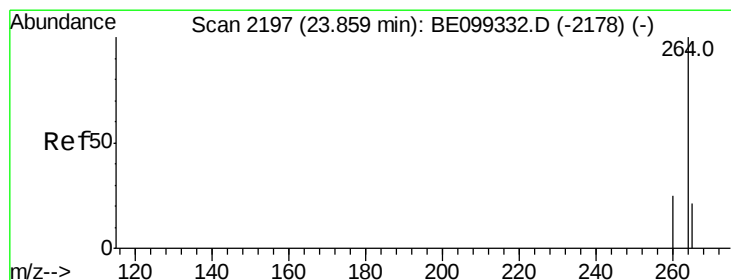
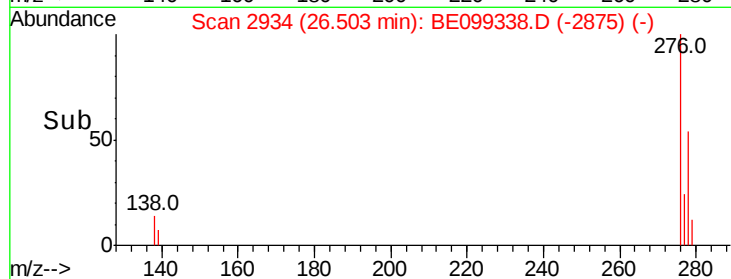
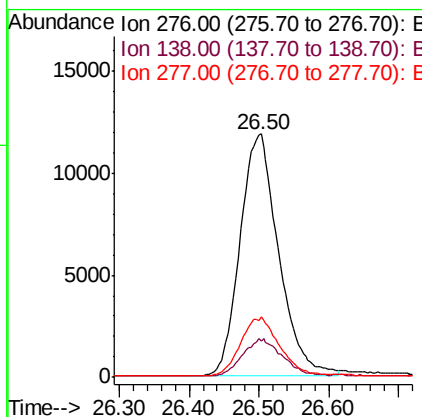
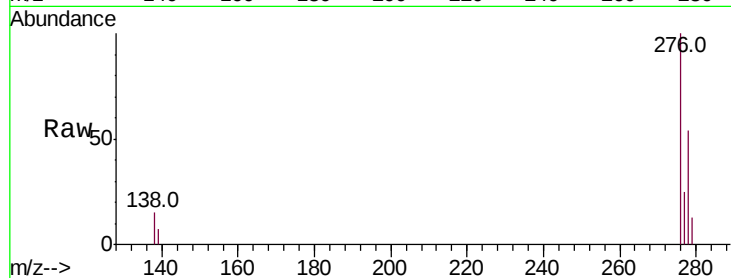
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.424 ng  
RT: 26.50 min Scan# 2934  
Delta R.T. 0.01 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.8  | 12.7  | 19.1  |
| 277     | 24.5  | 19.6  | 29.4  |

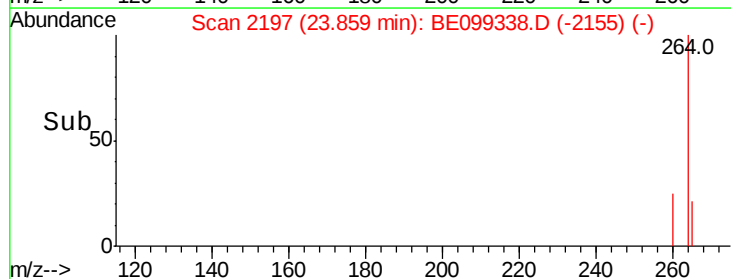
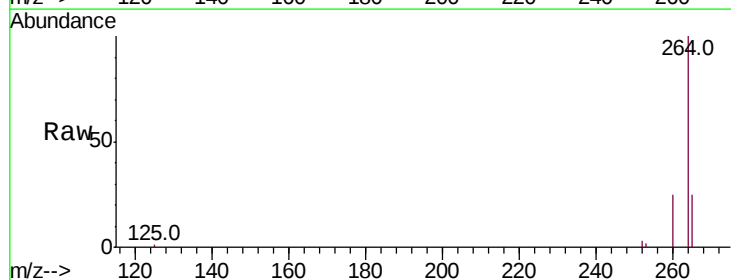
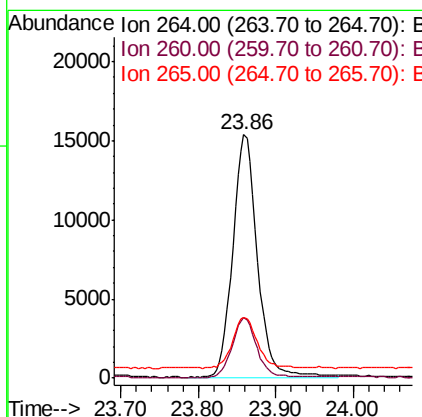
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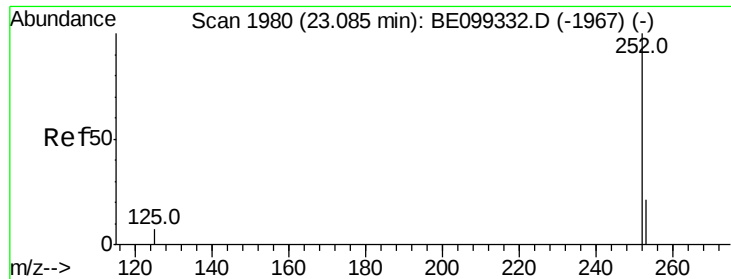
Sohil  
4/23/2019 8:24:58 AM



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.86 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 20.1  | 30.1  |
| 265     | 25.1  | 19.9  | 29.9  |





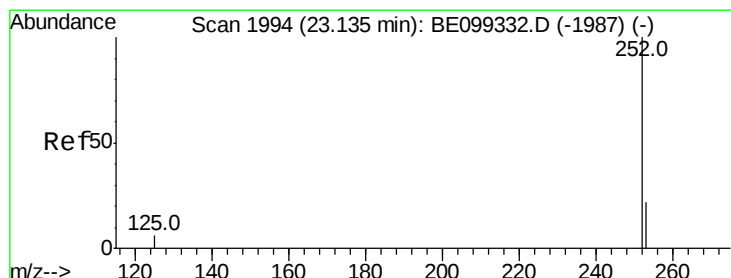
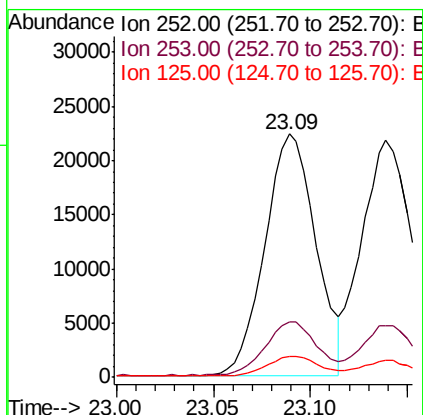
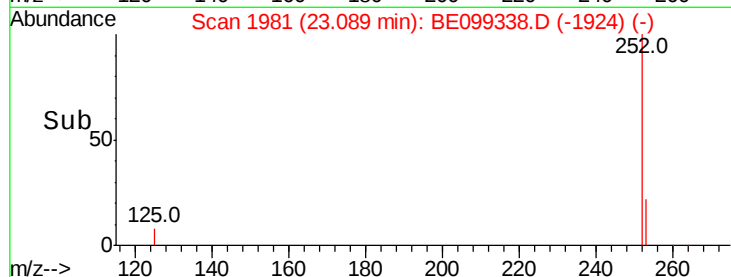
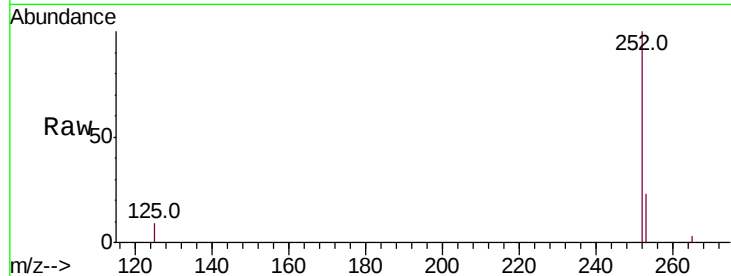
#35  
Benzo(b)fluoranthene  
Concen: 0.397 ng m  
RT: 23.09 min Scan# 1981  
Delta R.T. 0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

Tot Ion:252 Resp: 40833  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.3 25.9  
125 8.6 5.8 8.6#

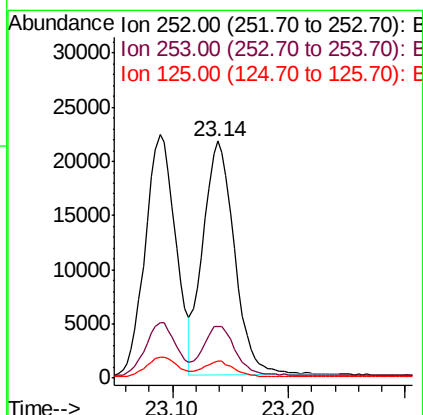
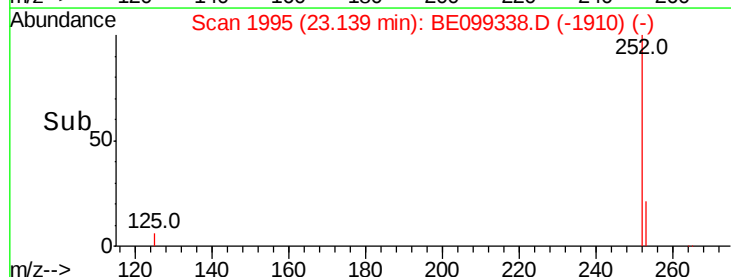
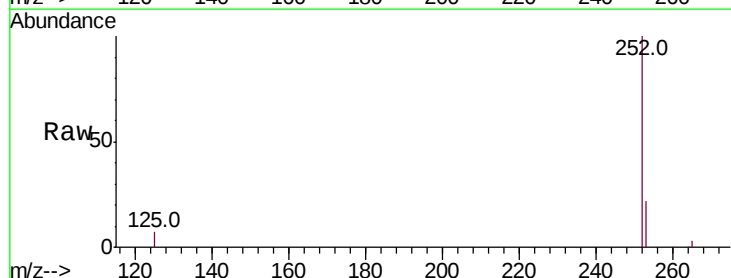
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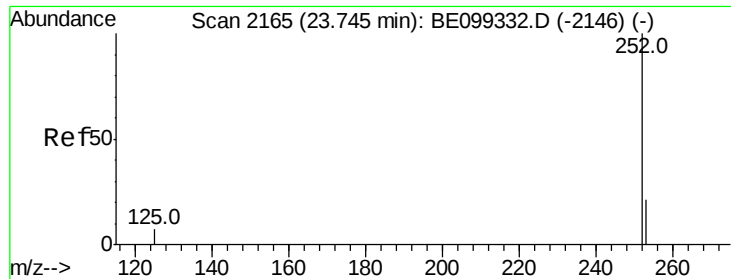
Sohil  
4/23/2019 8:24:58 AM



#36  
Benzo(k)fluoranthene  
Concen: 0.399 ng  
RT: 23.14 min Scan# 1995  
Delta R.T. 0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Tgt Ion:252 Resp: 40898  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.4 27.6  
125 7.0 5.4 8.0





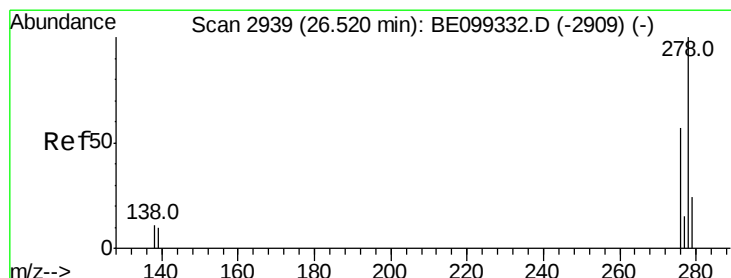
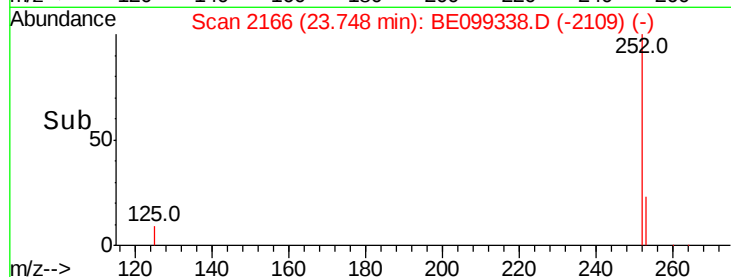
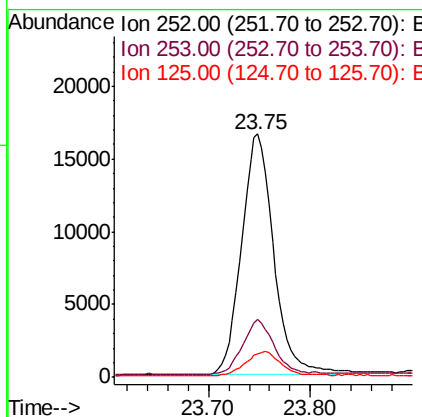
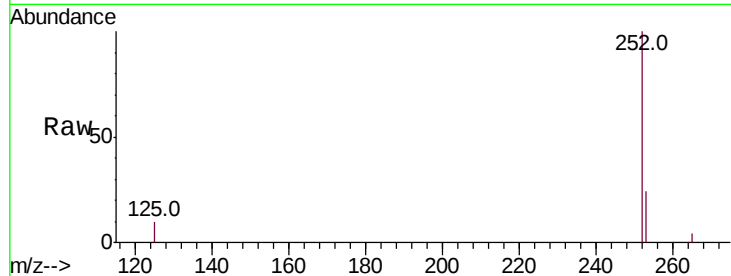
#37  
Benzo(a)pyrene  
Concen: 0.395 ng  
RT: 23.75 min Scan# 2166  
Delta R.T. 0.00 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
PB118927BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.6  | 26.4  |
| 125     | 9.7   | 6.5   | 9.7#  |

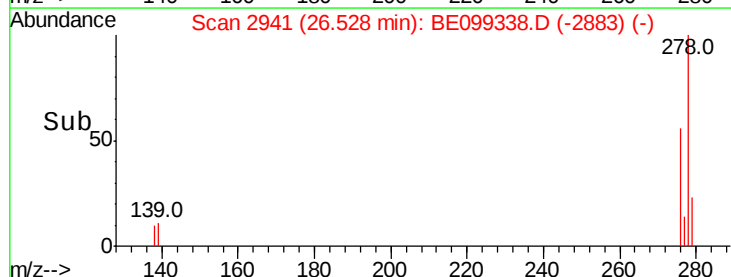
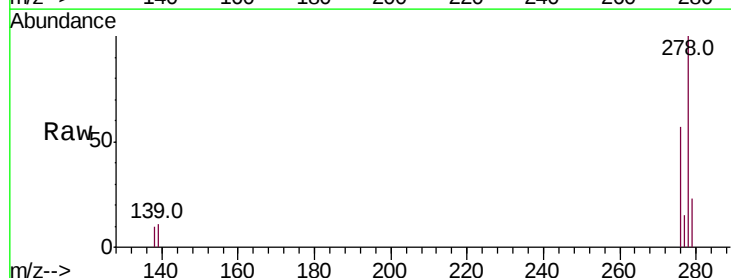
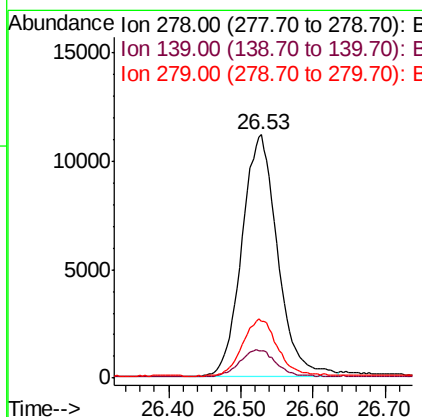
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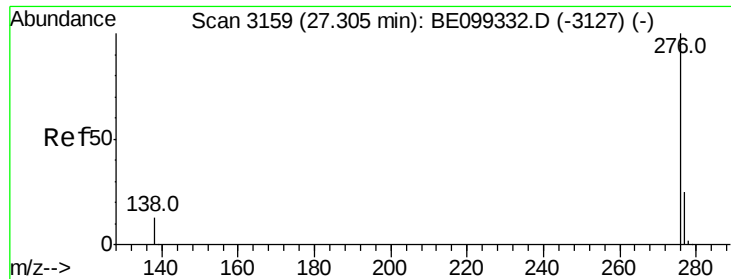
Sohil  
4/23/2019 8:24:58 AM



#38  
Dibenzo(a,h)anthracene  
Concen: 0.399 ng  
RT: 26.53 min Scan# 2941  
Delta R.T. 0.01 min  
Lab File: BE099338.D  
Acq: 18 Apr 2019 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.2  | 8.5   | 12.7  |
| 279     | 23.5  | 19.8  | 29.8  |





#39

Benzo(a,h,i)perylene

Concen: 0.399 ng

RT: 27.31 min Scan# 3161

Delta R.T. 0.01 min

Lab File: BE099338.D

Acq: 18 Apr 2019 15:34

Instrument :

BNA\_E

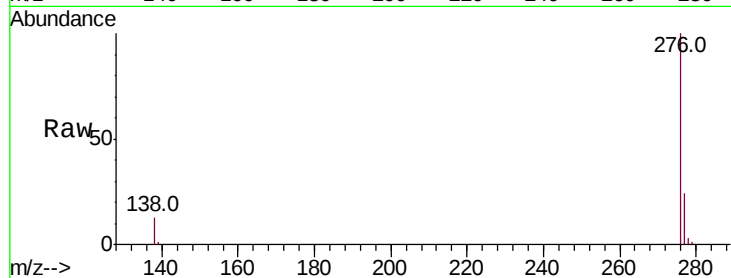
ClientSampleId :

PB118927BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 38080 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 23.8  | 20.0  | 30.0  |
| 138       | 13.3  | 11.1  | 16.7  |

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

