

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\  
 Data File : BE099801.D  
 Acq On : 5 Jun 2019 11:36  
 Operator : JU/SJ  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

Manual Integrations  
 APPROVED

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 6/6/2019 3:42:55 PM

Quant Time: Jun 05 13:45:55 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 05 13:28:25 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 972      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 3490     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2461     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.22 | 188  | 8059     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.40 | 240  | 17359    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.94 | 264  | 18462    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| 4) 2-Fluorophenol           | 5.37  | 112 | 4036   | 1.64 | ng | 0.00  |
| 5) Phenol-d6                | 6.97  | 99  | 5224   | 1.61 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 5333   | 1.77 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 9635   | 1.60 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 2545   | 1.75 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 15005  | 1.61 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.25 | 212 | 209106 | 1.90 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.86 | 244 | 43373  | 1.40 | ng | 0.00  |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 2231   | 1.551 | ng | 98     |
| 3) n-Nitrosodimethylamine      | 3.60  | 42  | 1206   | 1.518 | ng | # 89   |
| 6) bis(2-Chloroethyl)ether     | 7.22  | 93  | 4635   | 1.603 | ng | 97     |
| 9) Naphthalene                 | 10.65 | 128 | 61032  | 1.635 | ng | 98     |
| 10) Hexachlorobutadiene        | 10.93 | 225 | 4462   | 1.624 | ng | 97     |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 9574   | 1.573 | ng | 98     |
| 16) Acenaphthylene             | 14.20 | 152 | 19229  | 1.676 | ng | 99     |
| 17) Acenaphthene               | 14.54 | 154 | 10664  | 1.656 | ng | 99     |
| 18) Fluorene                   | 15.51 | 166 | 15737  | 1.660 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248 | 7360   | 1.584 | ng | # 90   |
| 21) Hexachlorobenzene          | 16.52 | 284 | 7694   | 1.618 | ng | 96     |
| 22) Pentachlorophenol          | 16.89 | 266 | 1863m  | 1.361 | ng |        |
| 23) Phenanthrene               | 17.27 | 178 | 32224  | 1.636 | ng | 100    |
| 24) Anthracene                 | 17.35 | 178 | 29652  | 1.660 | ng | 100    |
| 26) Fluoranthene               | 19.29 | 202 | 59645  | 1.916 | ng | 100    |
| 28) Pyrene                     | 19.65 | 202 | 62171  | 1.426 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 78552  | 1.592 | ng | 99     |
| 31) Chrysene                   | 21.44 | 228 | 85424  | 1.620 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 83781  | 1.474 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.63 | 276 | 105031 | 1.650 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 23.16 | 252 | 83632  | 1.653 | ng | # 95   |
| 36) Benzo(k)fluoranthene       | 23.21 | 252 | 89076  | 1.689 | ng | 98     |
| 37) Benzo(a)pyrene             | 23.82 | 252 | 81031  | 1.664 | ng | # 92   |
| 38) Dibenzo(a,h)anthracene     | 26.65 | 278 | 85229  | 1.667 | ng | 97     |
| 39) Benzo(g,h,i)perylene       | 27.45 | 276 | 87883  | 1.702 | ng | 99     |

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

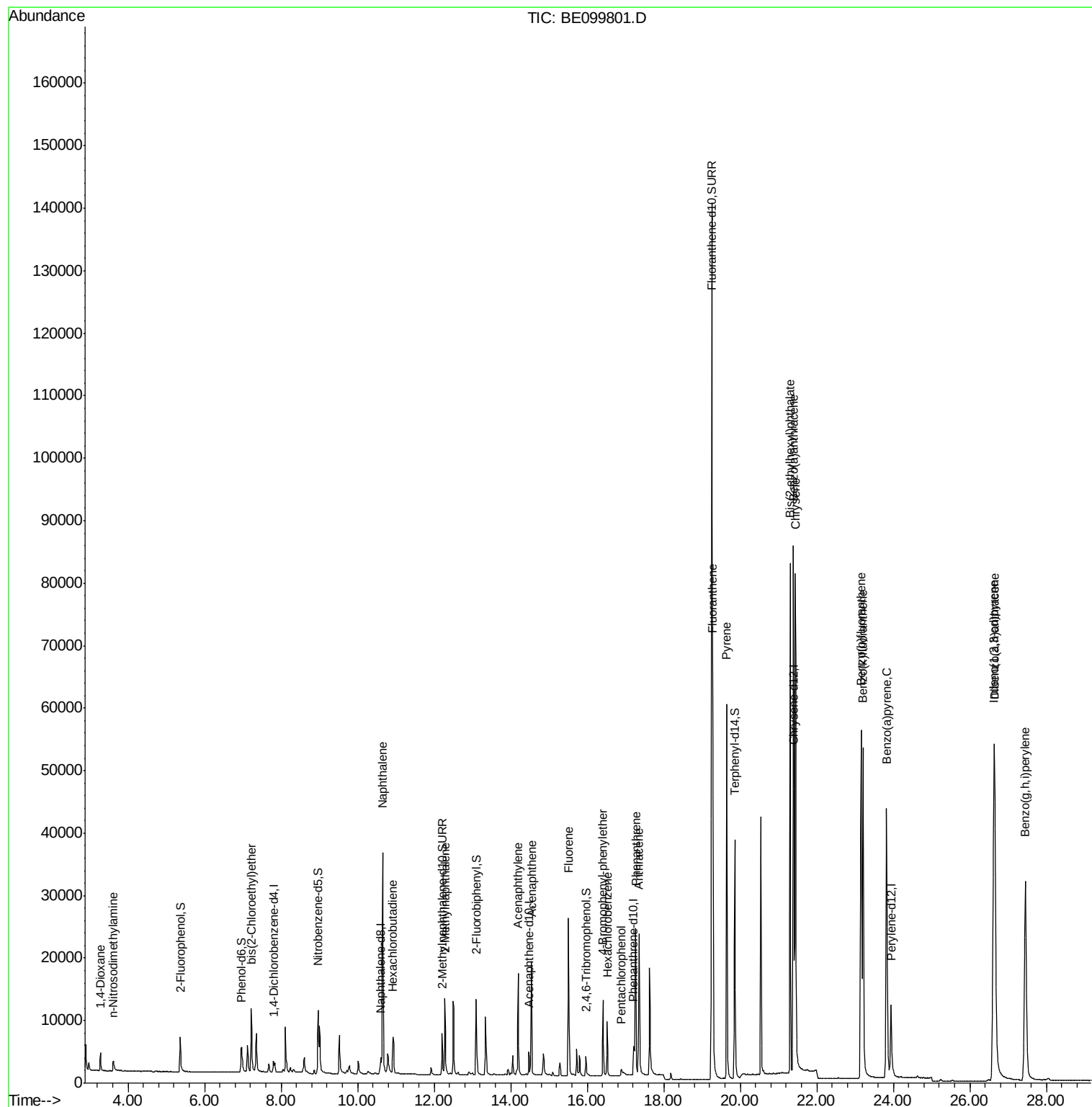
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\  
Data File : BE099801.D  
Acq On : 5 Jun 2019 11:36  
Operator : JU/SJ  
Sample : SSTDICC1.6  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

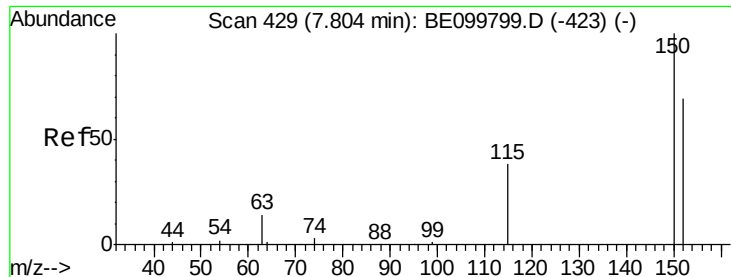
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

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Quant Time: Jun 05 13:45:55 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 05 13:28:25 2019  
Response via : Initial Calibration





#1

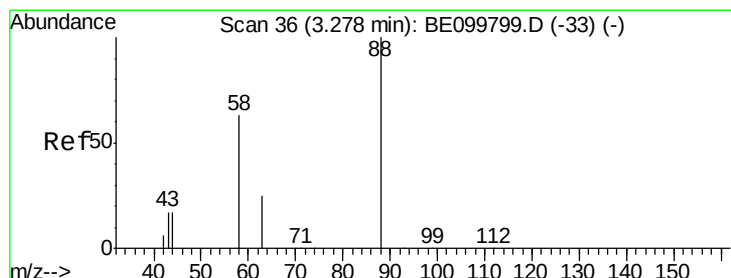
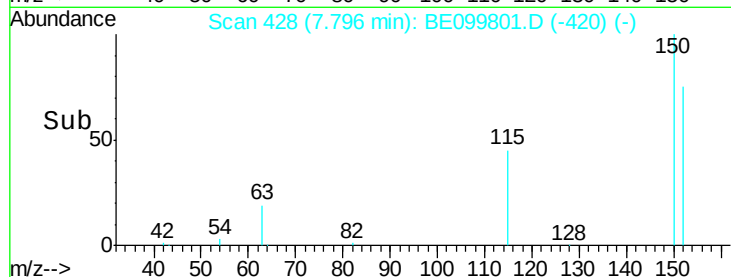
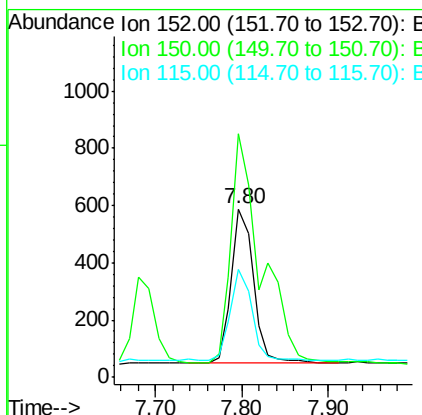
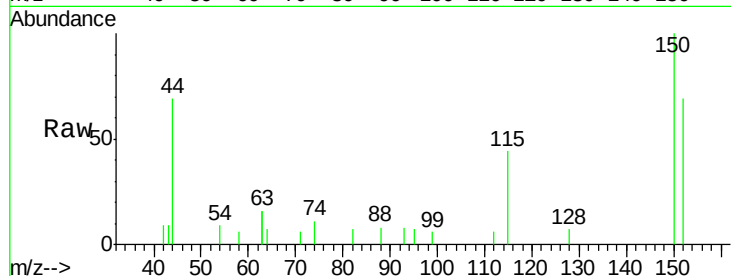
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 428  
Delta R.T. -0.01 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.7 | 112.8 | 169.2 |
| 115     | 64.3  | 47.6  | 71.4  |

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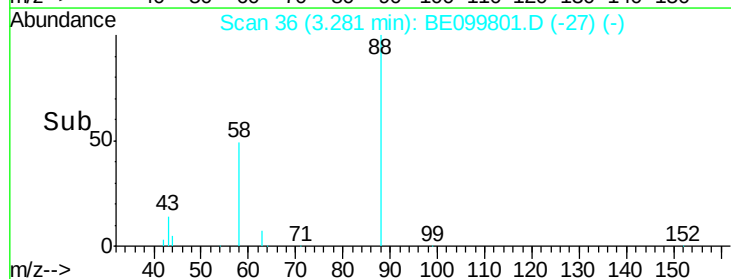
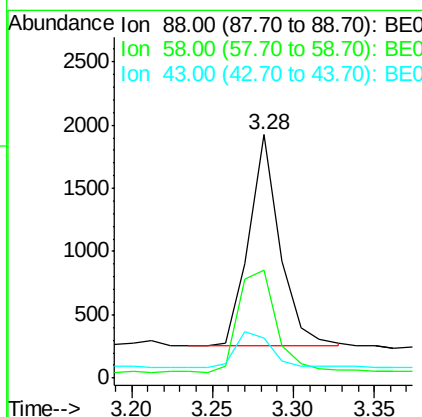
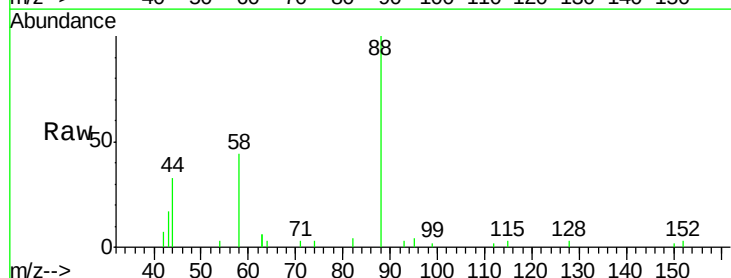
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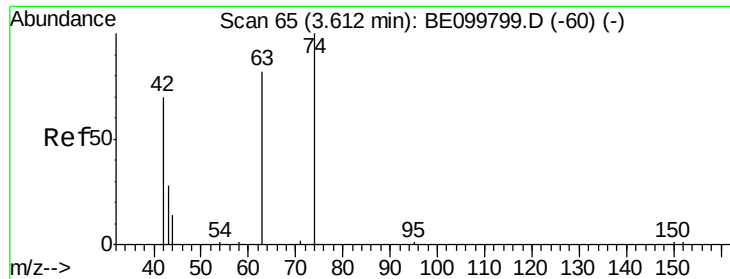


#2

1,4-Dioxane  
Concen: 1.551 ng  
RT: 3.28 min Scan# 36  
Delta R.T. 0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 59.2  | 47.5  | 71.3  |
| 43      | 20.0  | 18.2  | 27.4  |





#3

n-Nitrosodimethylamine

Concen: 1.518 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

Instrument :

BNA\_E

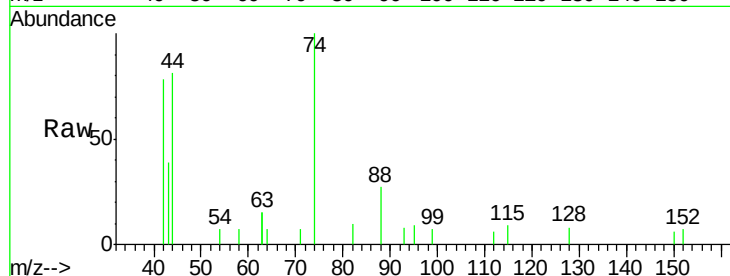
ClientSampled :

SSTDICC1.6

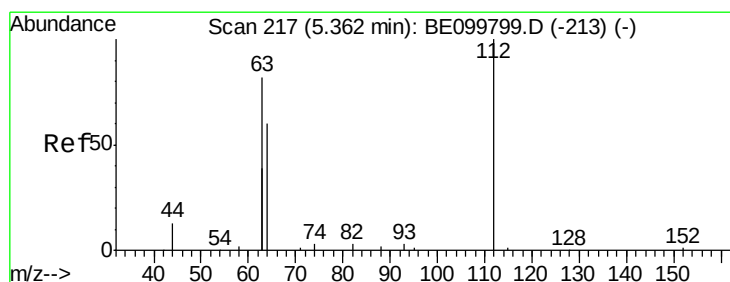
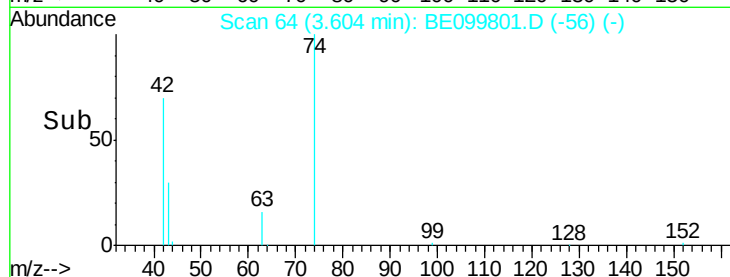
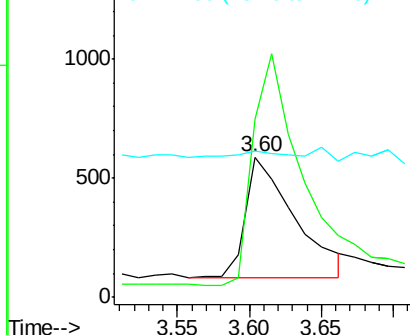
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 1206  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 186.4 | 137.8 | 206.6 |
| 44       | 2.7   | 10.8  | 16.2# |

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Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 1.643 ng

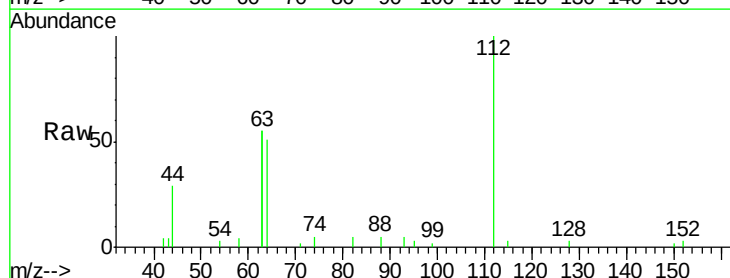
RT: 5.37 min Scan# 217

Delta R.T. 0.00 min

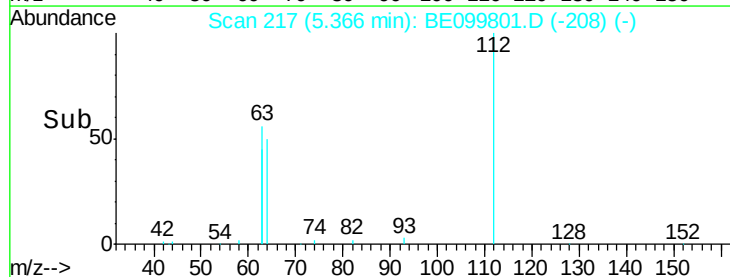
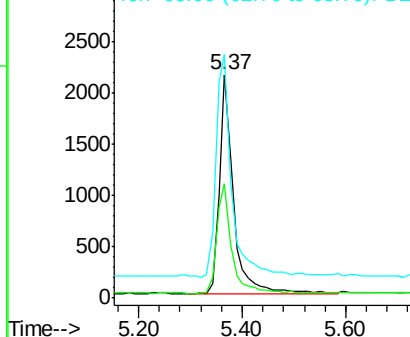
Lab File: BE099801.D

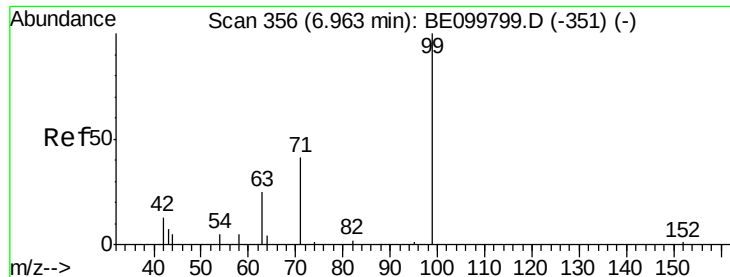
Acq: 5 Jun 2019 11:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 4036  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 52.1  | 47.2  | 70.8  |
| 63       | 114.2 | 90.7  | 136.1 |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.607 ng

RT: 6.97 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

Instrument :

BNA\_E

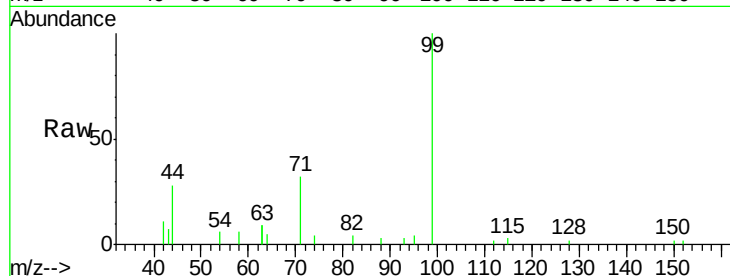
ClientSampleId :

SSTDICC1.6

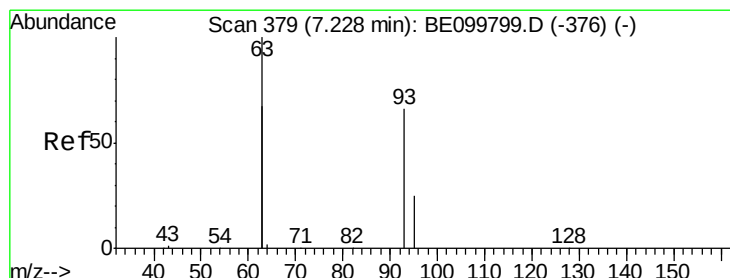
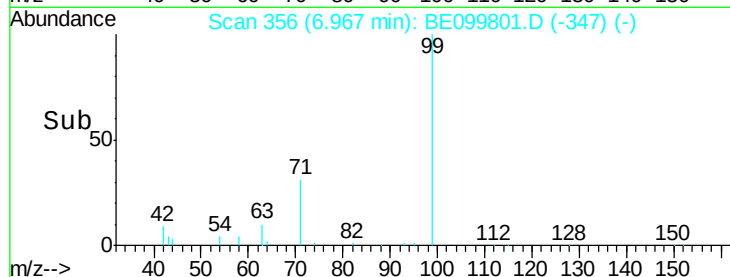
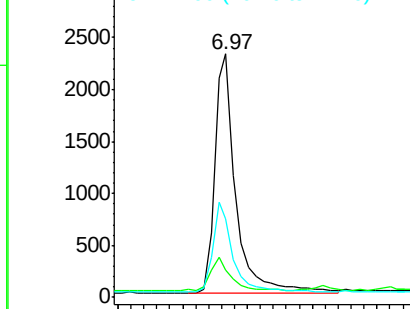
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 5224  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 13.6  | 11.0  | 16.4  |
| 71       | 36.2  | 26.1  | 39.1  |

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Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 1.603 ng

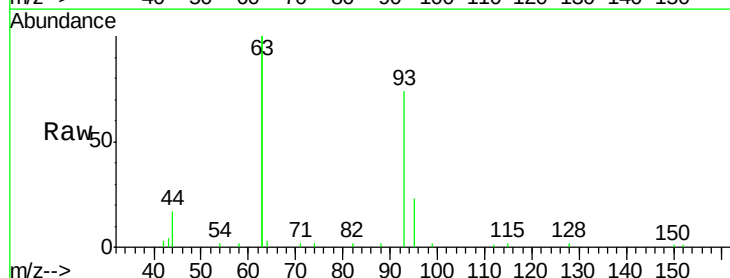
RT: 7.22 min Scan# 378

Delta R.T. -0.01 min

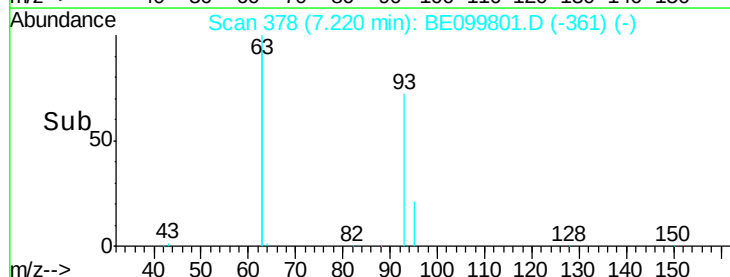
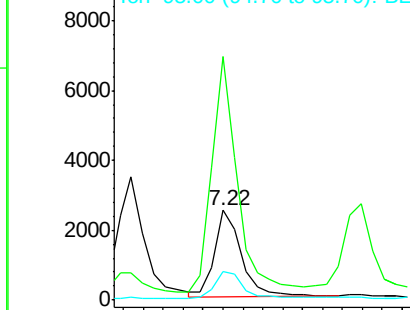
Lab File: BE099801.D

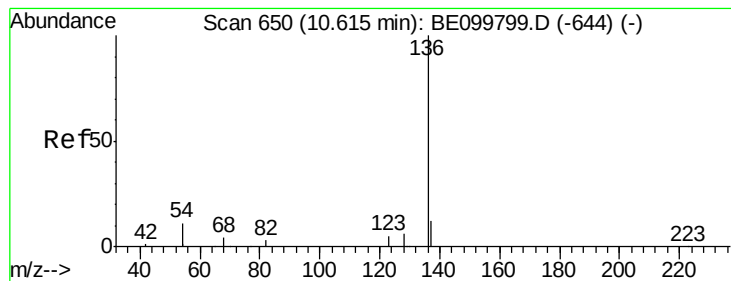
Acq: 5 Jun 2019 11:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4635  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 255.9 | 208.8 | 313.2 |
| 95       | 32.0  | 27.6  | 41.4  |



Abundance Ion 93.00 (92.70 to 93.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0  
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

Instrument :

BNA\_E

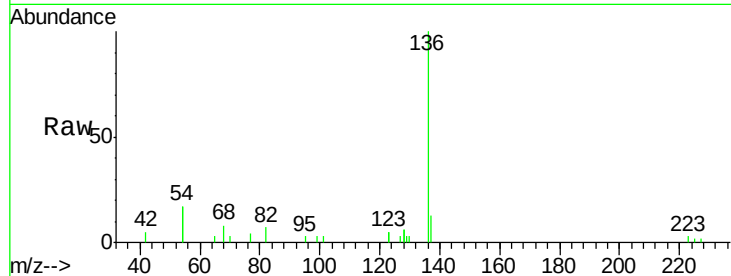
ClientSampleId :

SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 13.3  | 11.1  | 16.7  |
| 54      | 34.7  | 17.9  | 26.9  |
| 68      | 8.3   | 5.4   | 8.0   |

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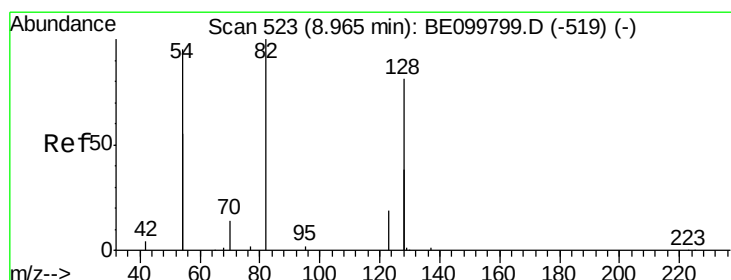
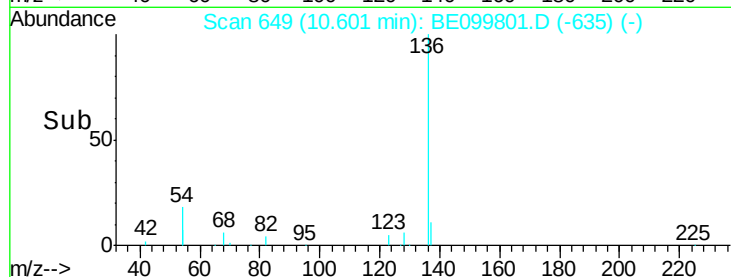
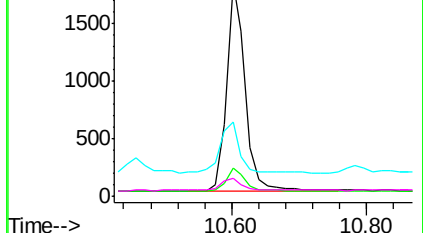


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 1.765 ng

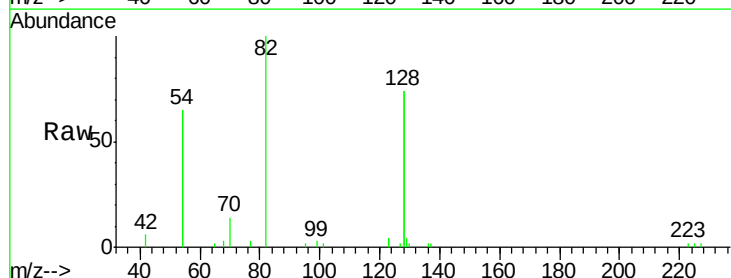
RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

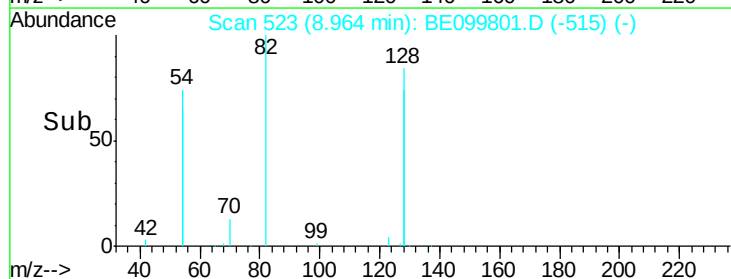
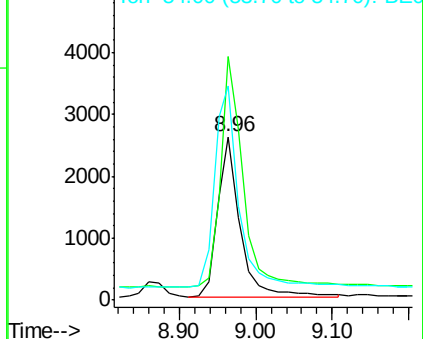
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 148.8 | 116.6 | 175.0 |
| 54      | 130.5 | 136.2 | 204.4 |

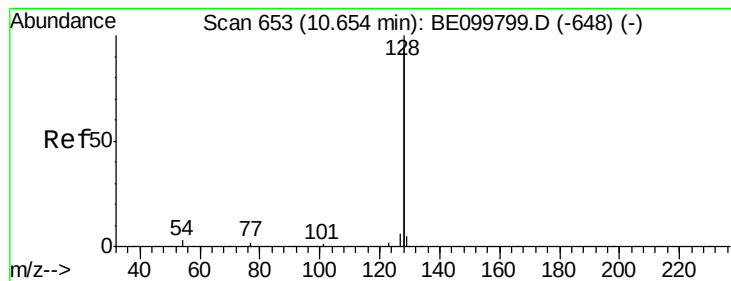


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.635 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

Instrument :

BNA\_E

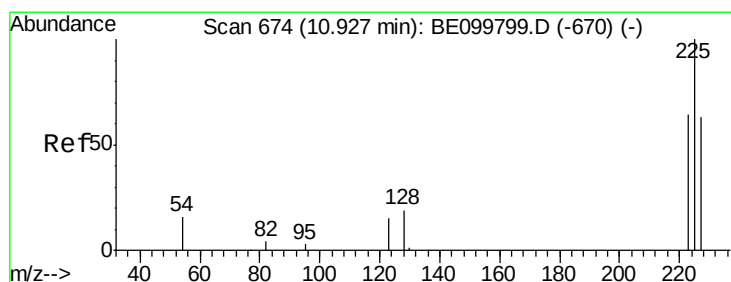
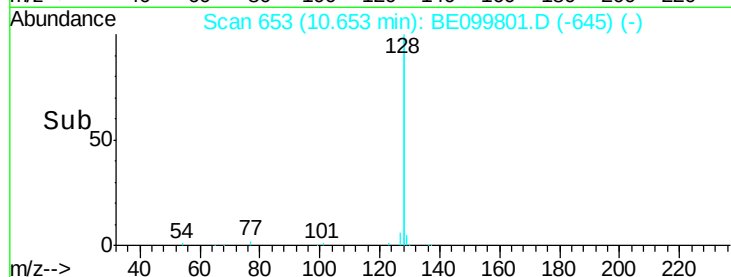
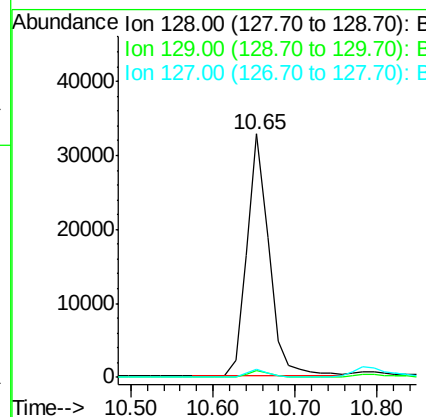
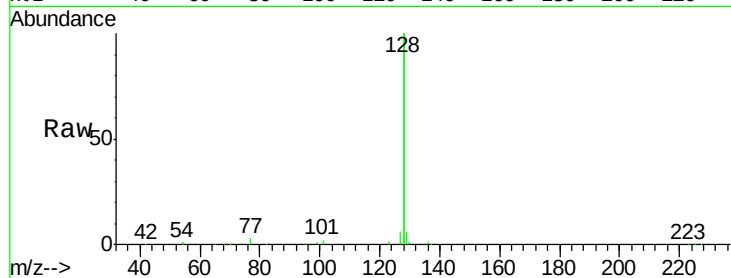
ClientSampleId :

SSTDICC1.6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 61032 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 2.8   | 2.6   | 4.0   |
| 127       | 3.2   | 3.0   | 4.6   |

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#10

Hexachlorobutadiene

Concen: 1.624 ng

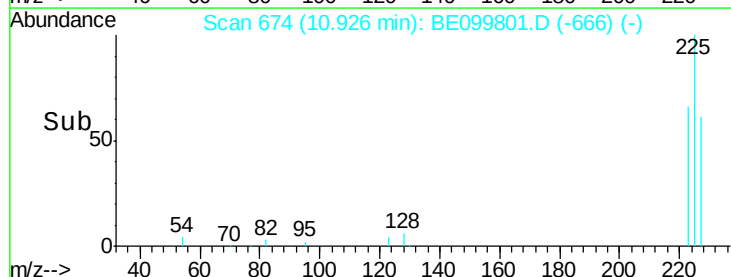
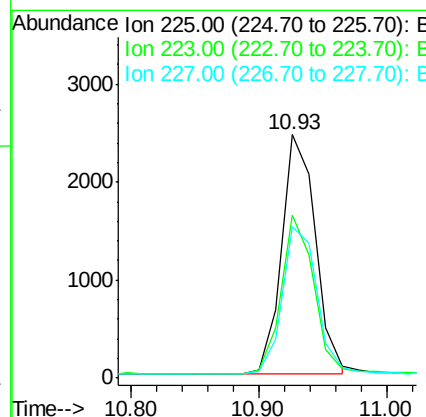
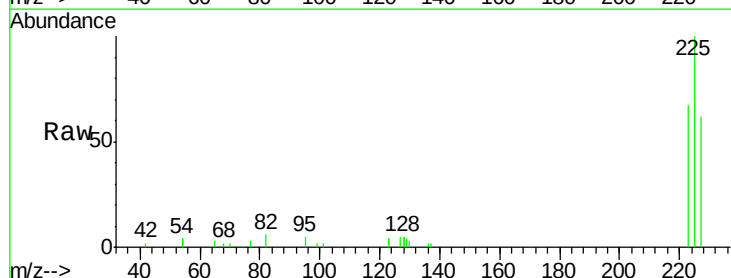
RT: 10.93 min Scan# 674

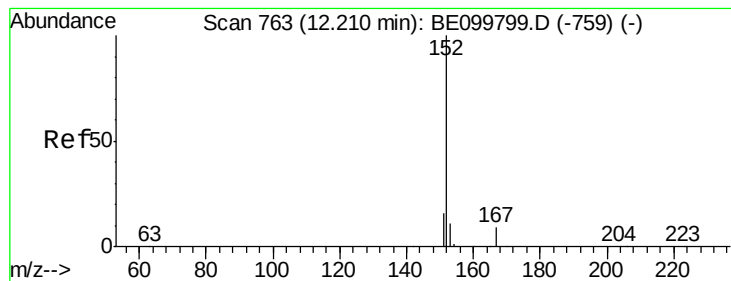
Delta R.T. -0.00 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4462 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.4  | 48.6  | 72.8 |
| 227       | 62.4  | 51.8  | 77.6 |





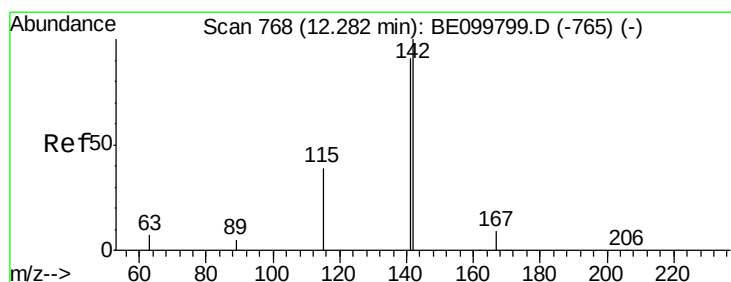
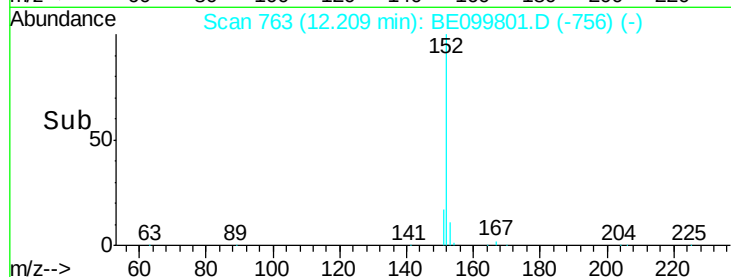
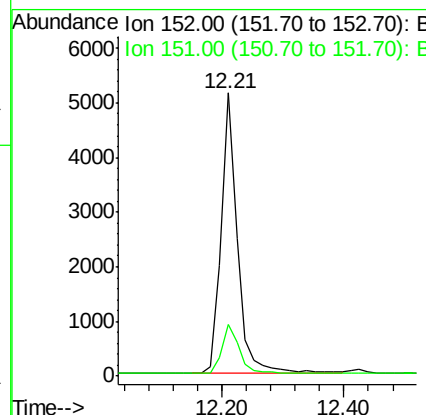
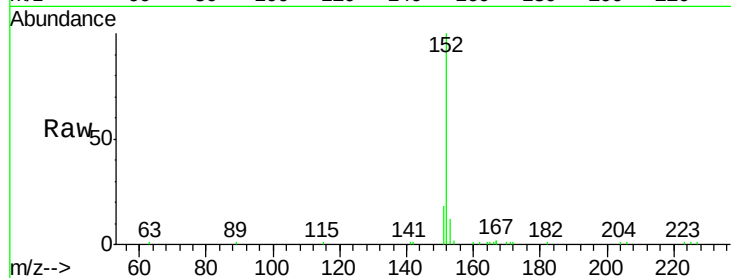
#11  
 2-Methylnaphthalene-d10  
 Concen: 1.600 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. -0.00 min  
 Lab File: BE099801.D  
 Acq: 5 Jun 2019 11:36

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 15.5  | 23.3  |

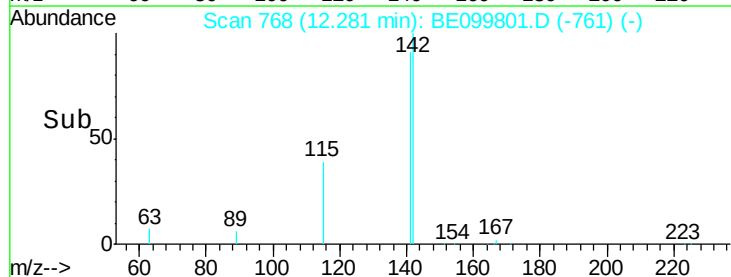
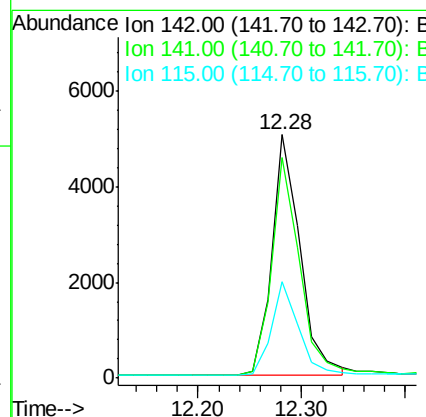
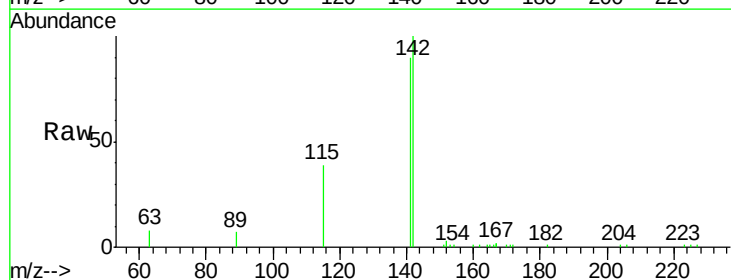
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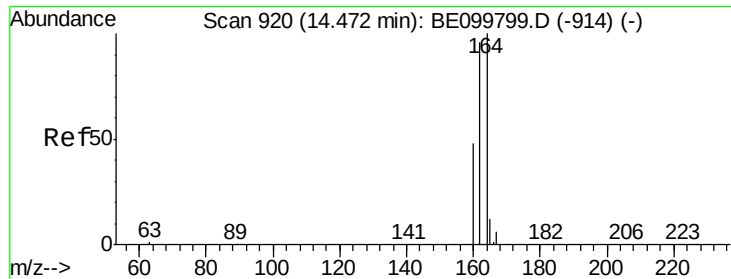


#12  
 2-Methylnaphthalene  
 Concen: 1.573 ng  
 RT: 12.28 min Scan# 768  
 Delta R.T. -0.00 min  
 Lab File: BE099801.D  
 Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.5  | 73.3  | 109.9 |
| 115     | 39.4  | 33.4  | 50.2  |







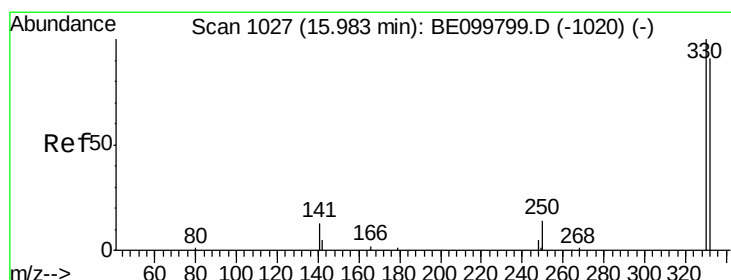
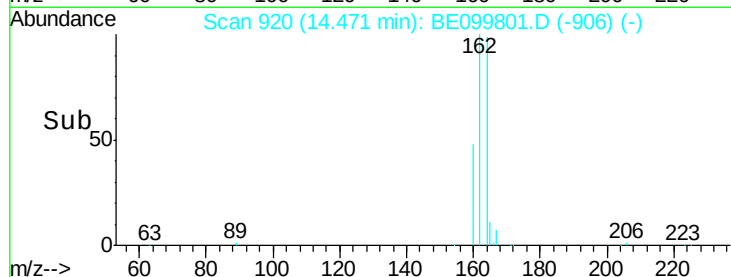
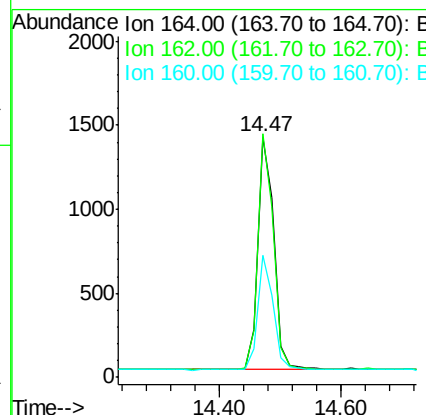
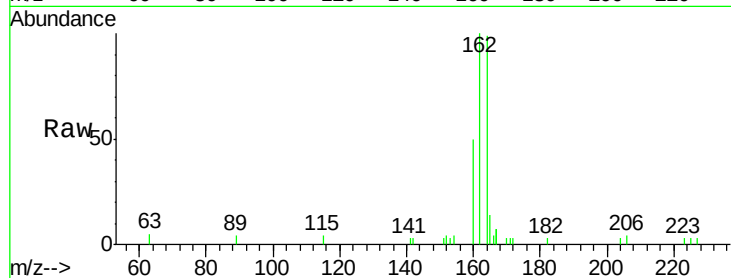
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 77.2  | 115.8 |
| 160     | 50.6  | 39.4  | 59.2  |

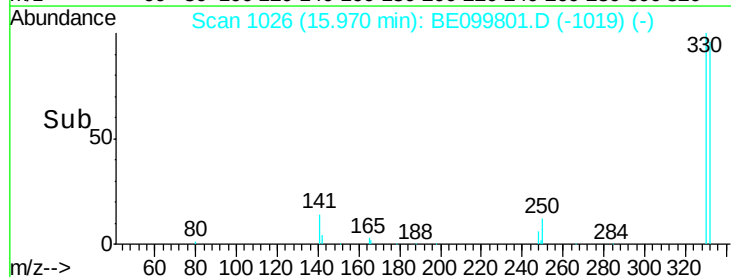
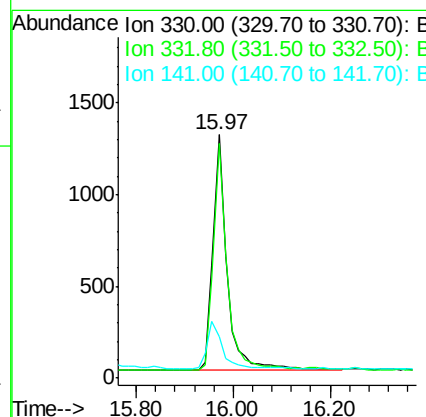
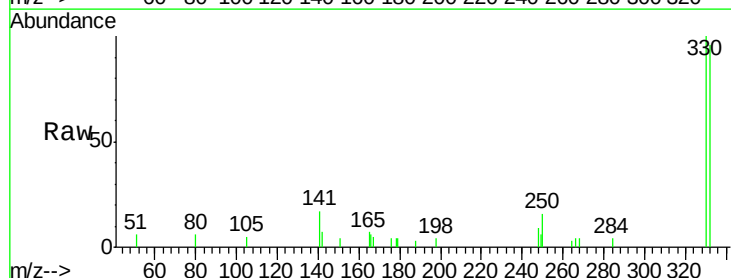
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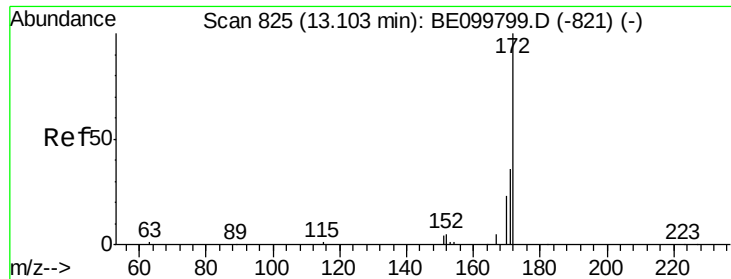
mohammad  
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#14  
2,4,6-Tribromophenol  
Concen: 1.746 ng  
RT: 15.97 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.0  | 72.9  | 109.3 |
| 141     | 21.8  | 15.6  | 23.4  |





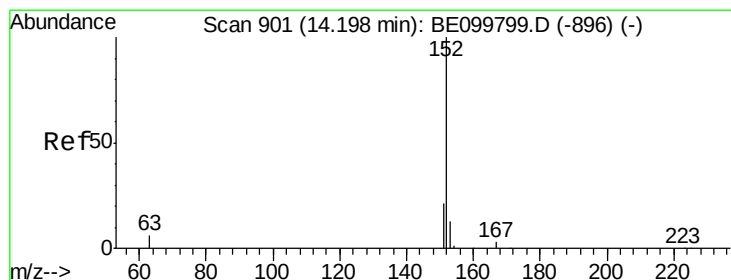
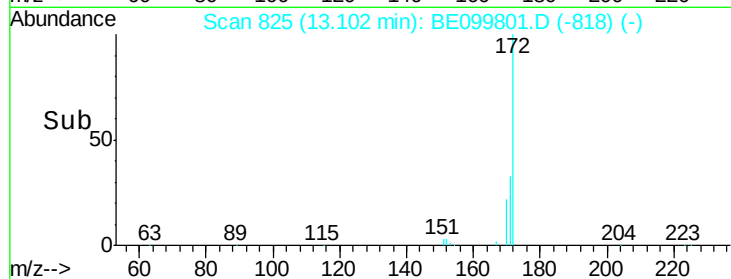
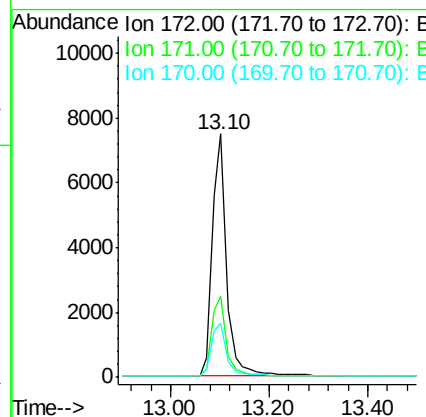
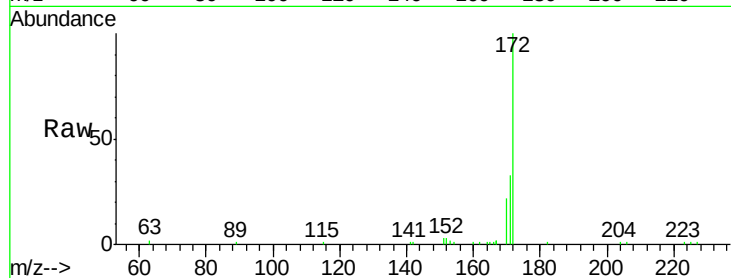
#15  
2-Fluorobiphenyl  
Concen: 1.607 ng  
RT: 13.10 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.1  | 30.2  | 45.4  |
| 170     | 22.1  | 20.1  | 30.1  |

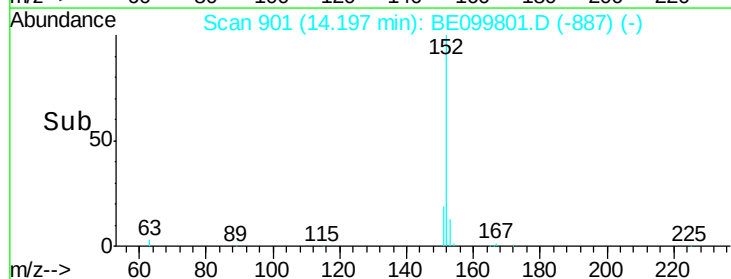
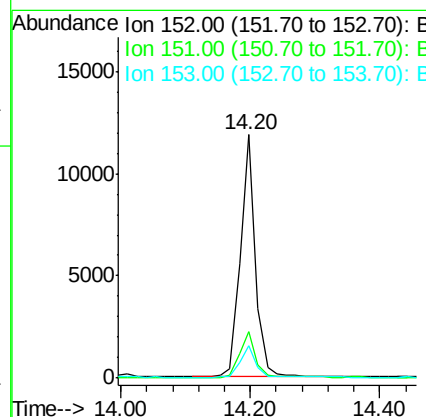
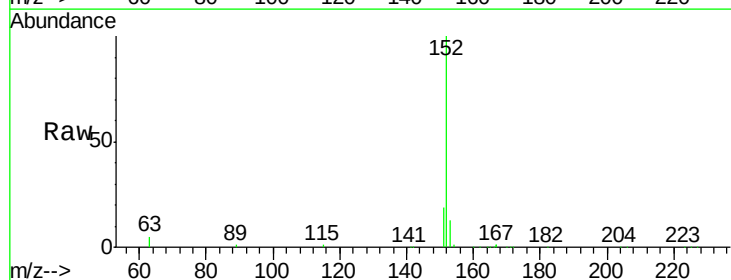
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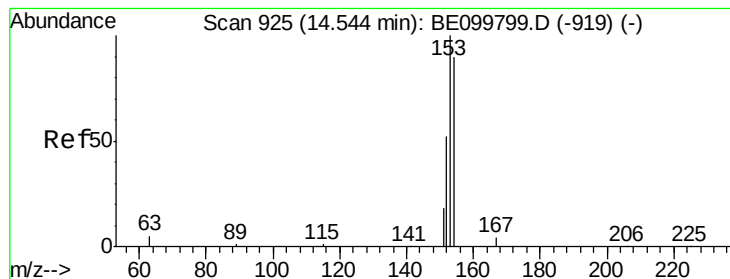
mohammad  
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#16  
Acenaphthylene  
Concen: 1.676 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.2  | 15.9  | 23.9  |
| 153     | 13.2  | 10.8  | 16.2  |





#17

Acenaphthene

Concen: 1.656 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

Instrument :

BNA\_E

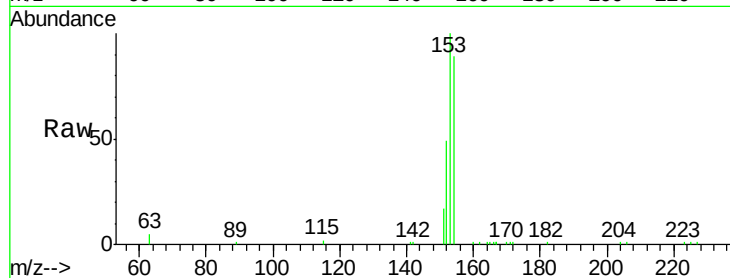
ClientSampleId :

SSTDICC1.6

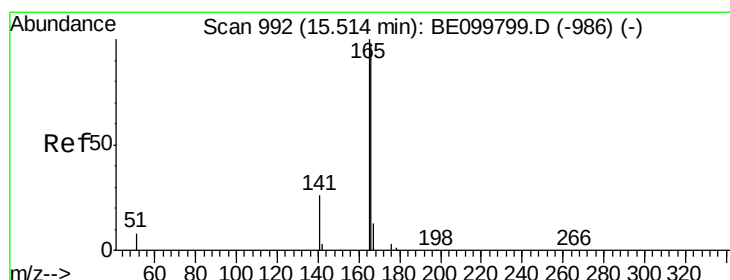
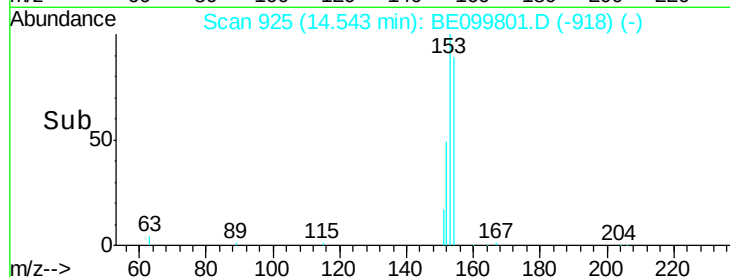
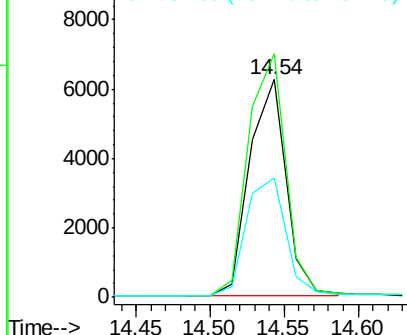
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 10664 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 115.1 | 92.8  | 139.2 |
| 152       | 59.3  | 47.7  | 71.5  |

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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: 1.660 ng

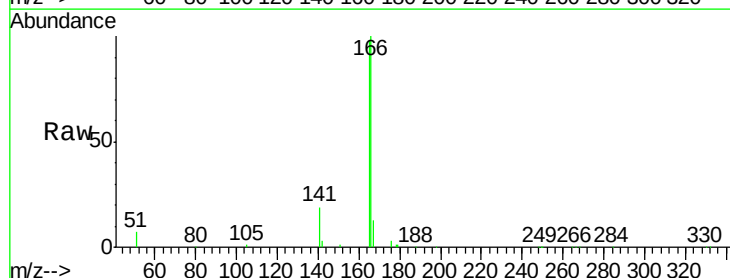
RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

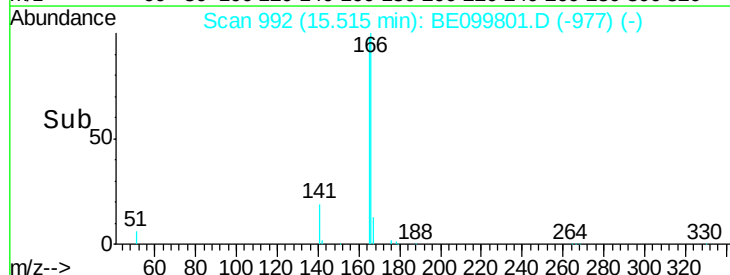
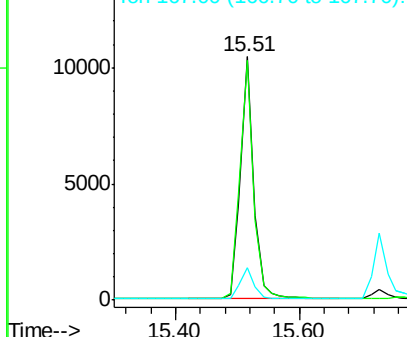
Lab File: BE099801.D

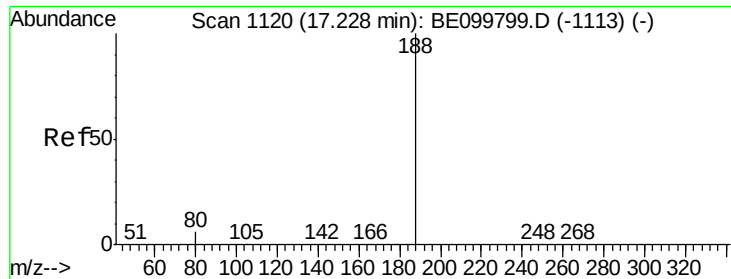
Acq: 5 Jun 2019 11:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 15737 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 100.6 | 80.4  | 120.6 |
| 167       | 13.4  | 10.7  | 16.1  |



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: 17.22 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

Instrument :

BNA\_E

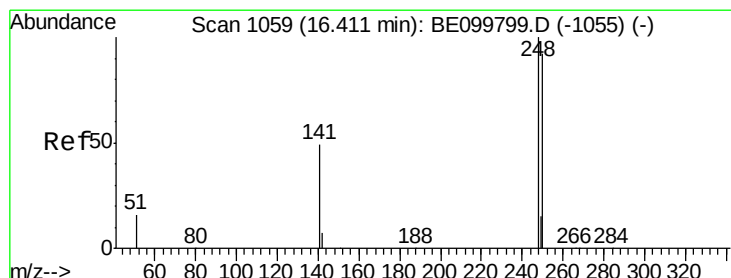
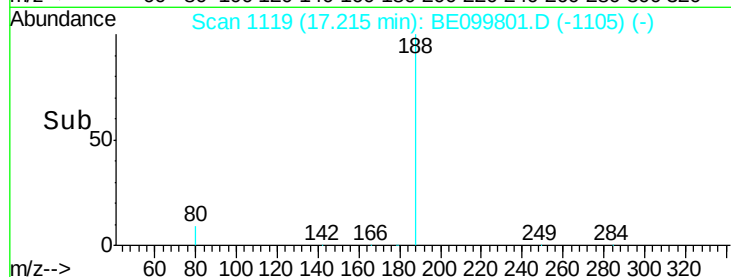
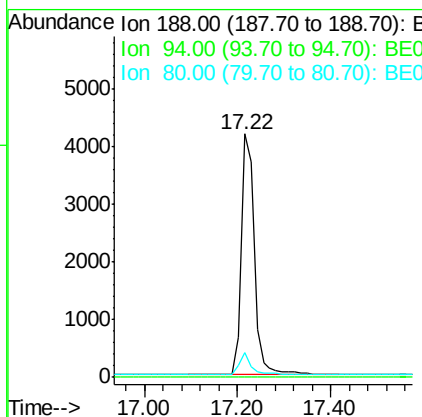
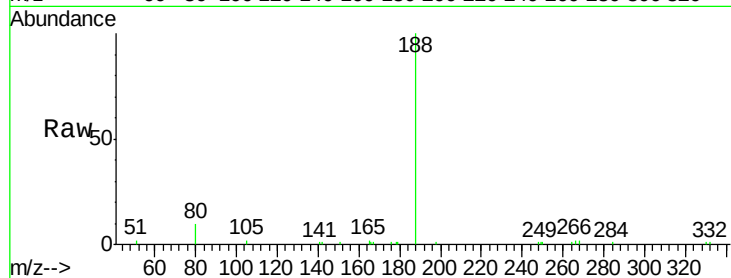
ClientSampleId :

SSTDICC1.6

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 188   | Resp: | 8059 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 10.3  | 5.2   | 7.8# |

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#20

4-Bromophenyl-phenylether

Concen: 1.584 ng

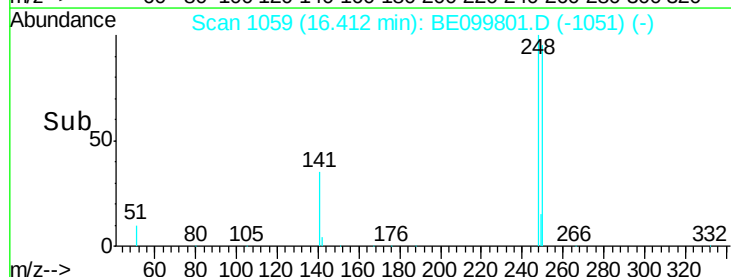
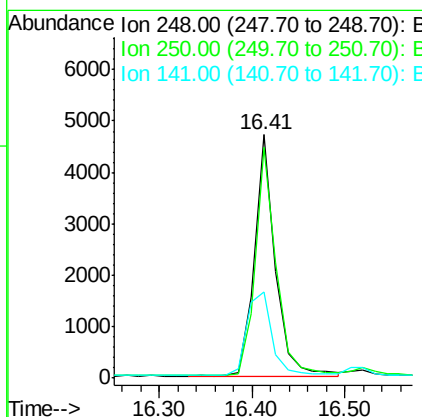
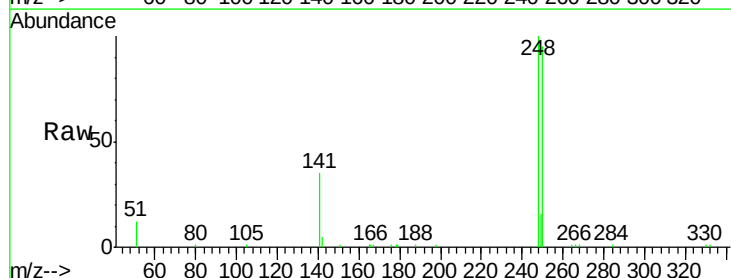
RT: 16.41 min Scan# 1059

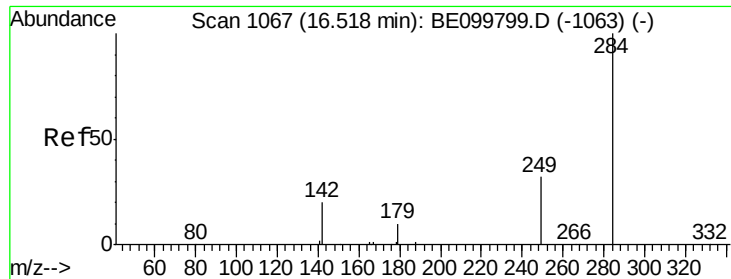
Delta R.T. 0.00 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 7360  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 95.1  | 73.7  | 110.5 |
| 141       | 35.4  | 40.9  | 61.3# |





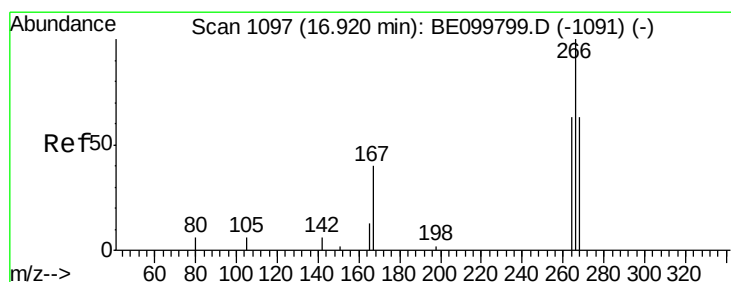
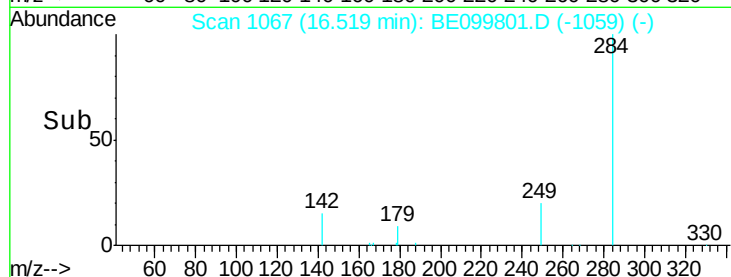
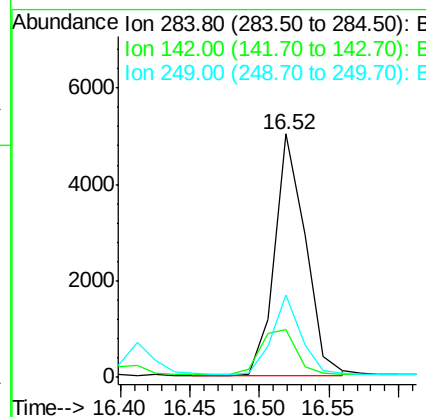
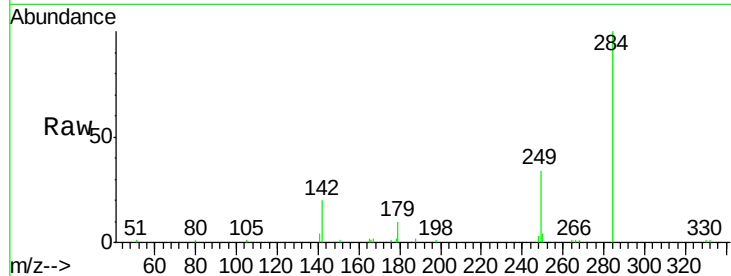
#21  
Hexachlorobenzene  
Concen: 1.618 ng  
RT: 16.52 min Scan# 1067  
Delta R.T. 0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 21.9  | 16.2  | 24.4  |
| 249     | 31.4  | 23.0  | 34.6  |

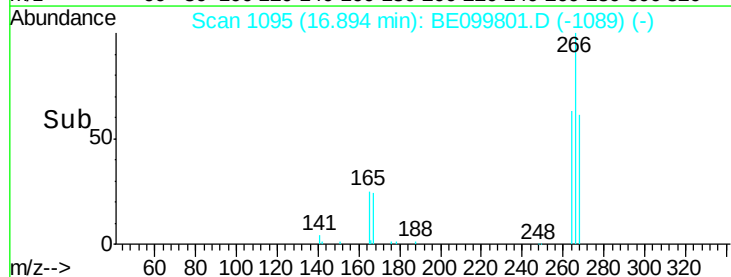
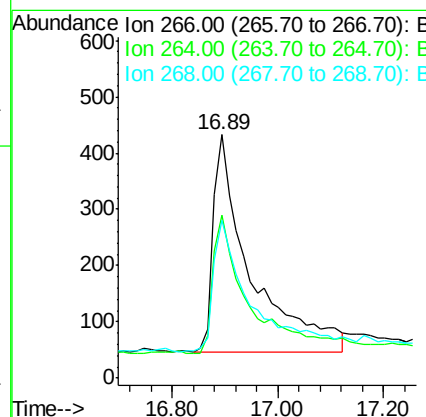
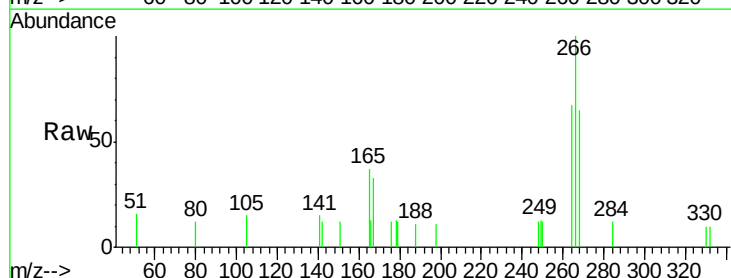
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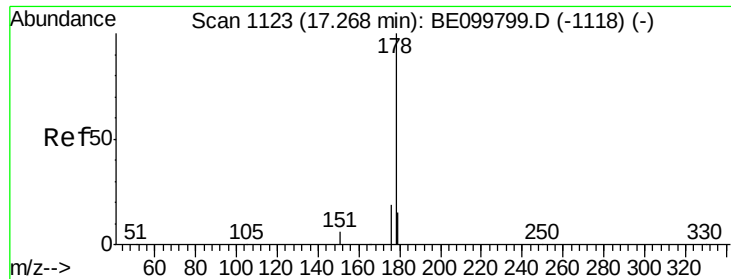
mohammad  
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#22  
Pentachlorophenol  
Concen: 1.361 ng m  
RT: 16.89 min Scan# 1095  
Delta R.T. -0.03 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 67.0  | 64.9  | 97.3  |
| 268     | 64.7  | 64.0  | 96.0  |





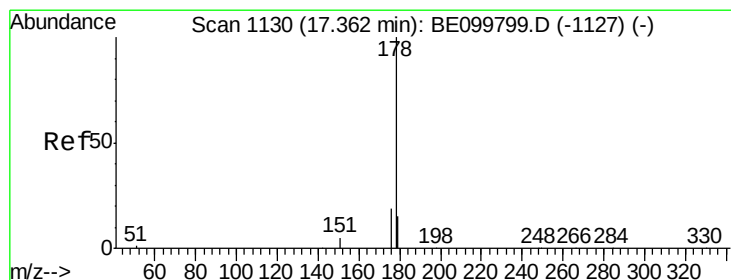
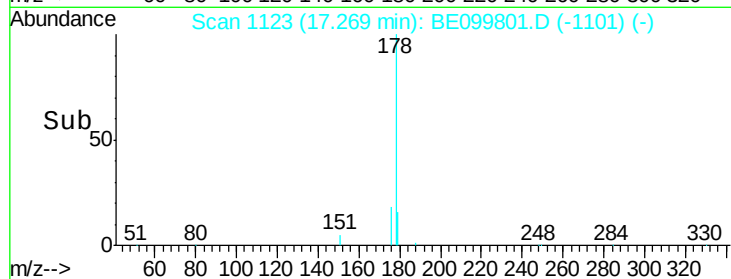
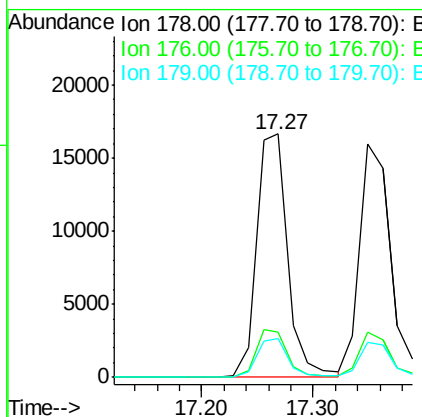
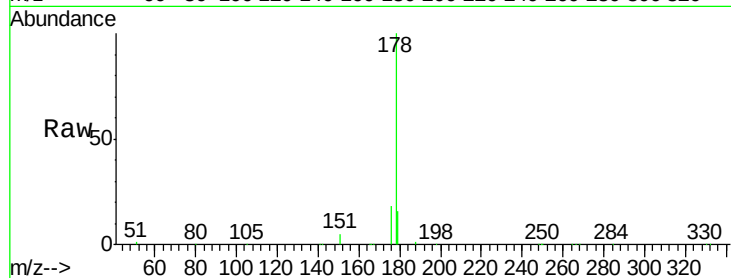
#23  
Phenanthrene  
Concen: 1.636 ng  
RT: 17.27 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.4  | 23.0  |
| 179     | 15.5  | 12.5  | 18.7  |

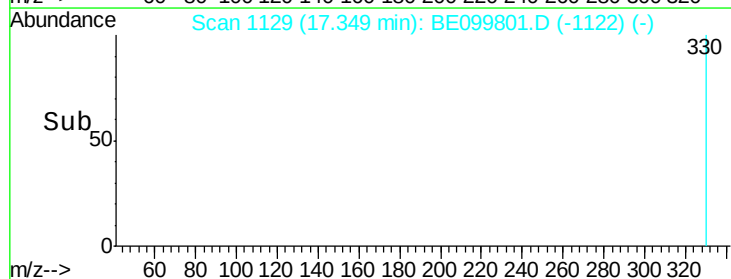
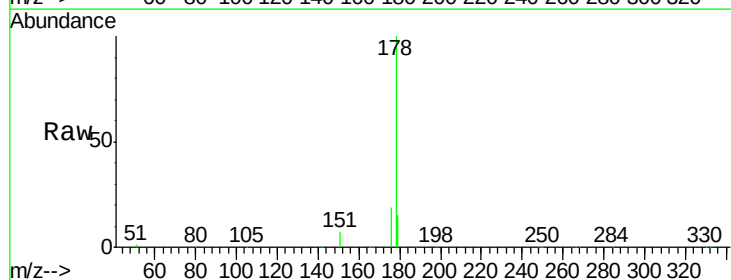
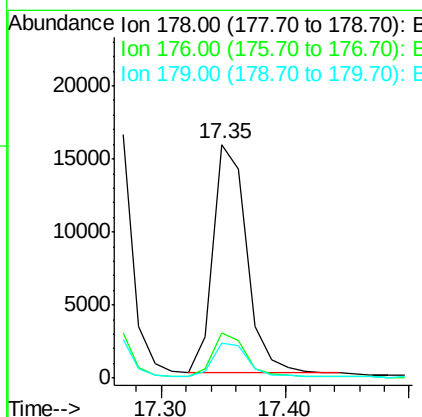
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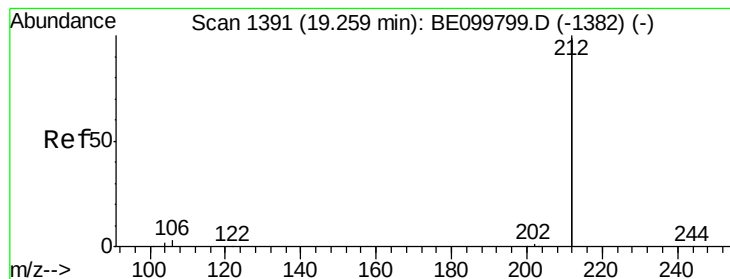
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#24  
Anthracene  
Concen: 1.660 ng  
RT: 17.35 min Scan# 1129  
Delta R.T. -0.01 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 15.1  | 22.7  |
| 179     | 15.2  | 12.1  | 18.1  |





#25

Fluoranthene-d10

Concen: 1.899 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

Instrument :

BNA\_E

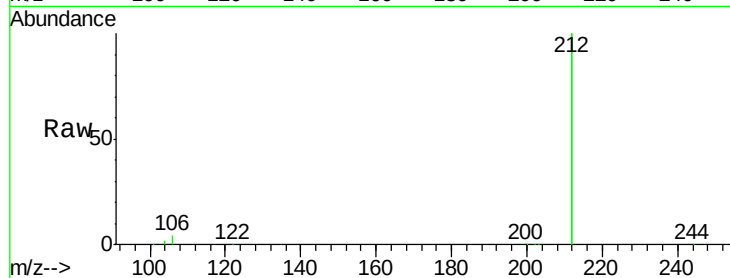
ClientSampleId :

SSTDICC1.6

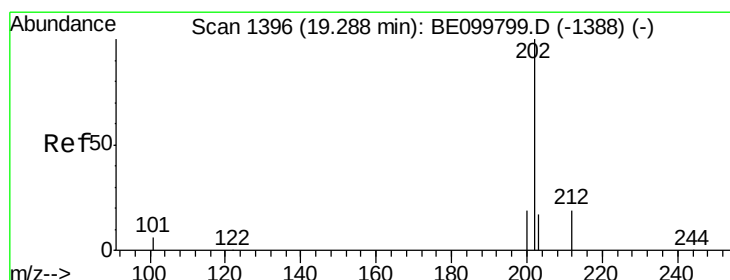
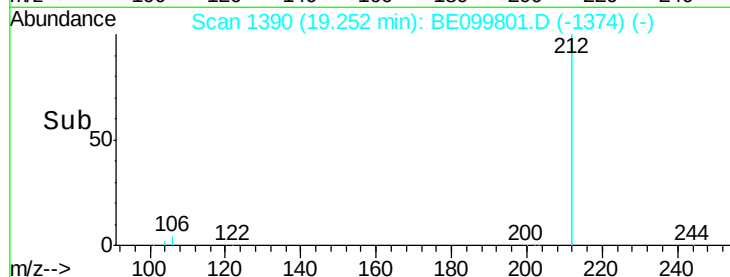
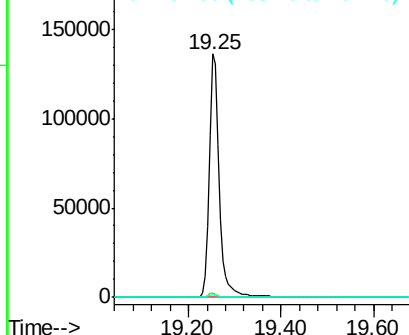
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 212   | Resp: | 209106 |
| Ion Ratio | Lower | Upper |        |
| 212       | 100   |       |        |
| 106       | 1.8   | 1.4   | 2.0    |
| 104       | 1.0   | 0.8   | 1.2    |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.916 ng

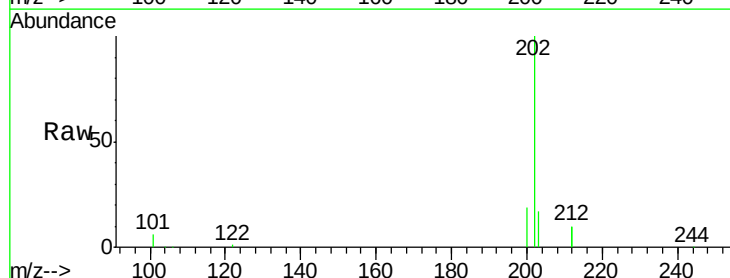
RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

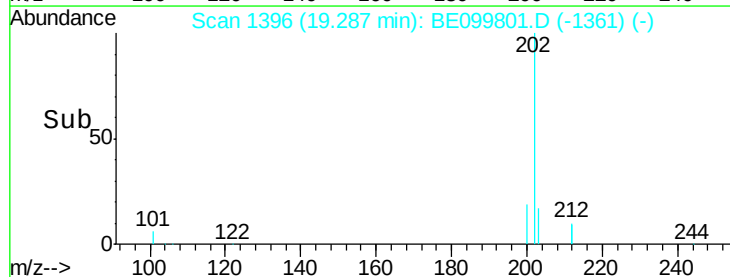
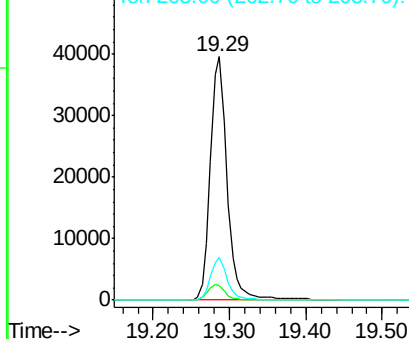
Lab File: BE099801.D

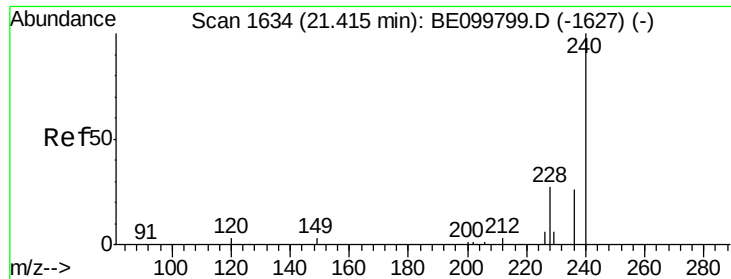
Acq: 5 Jun 2019 11:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 59645 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.6   | 5.2   | 7.8   |
| 203       | 17.1  | 13.6  | 20.4  |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





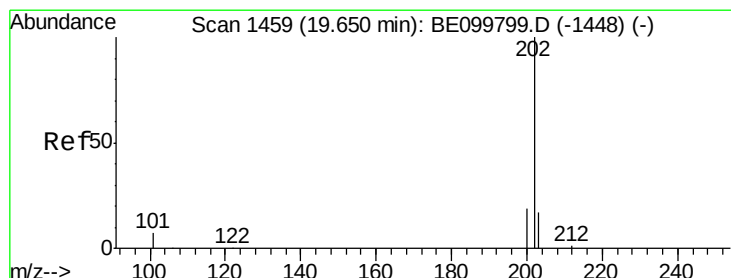
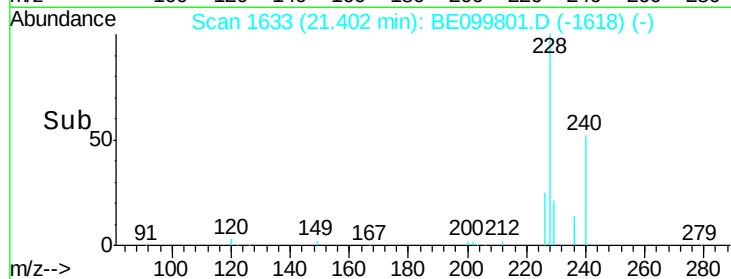
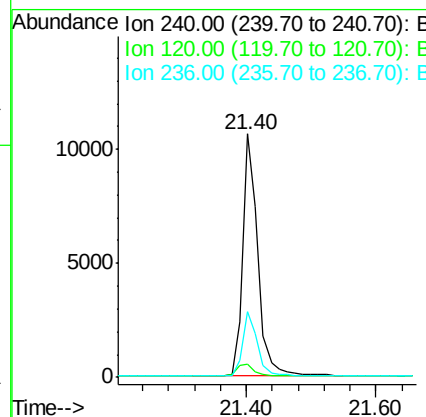
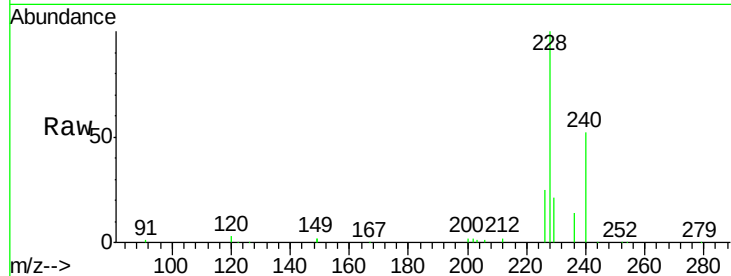
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.40 min Scan# 1633  
Delta R.T. -0.01 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

Tot Ion:240 Resp: 17359  
Ion Ratio Lower Upper  
240 100  
120 5.6 2.8 4.2#  
236 26.9 20.9 31.3

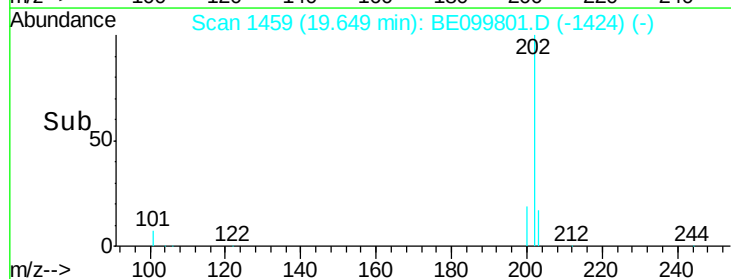
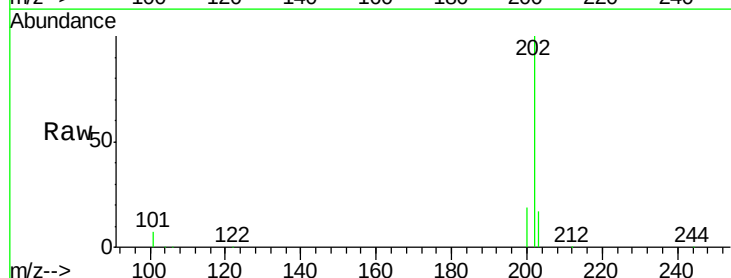
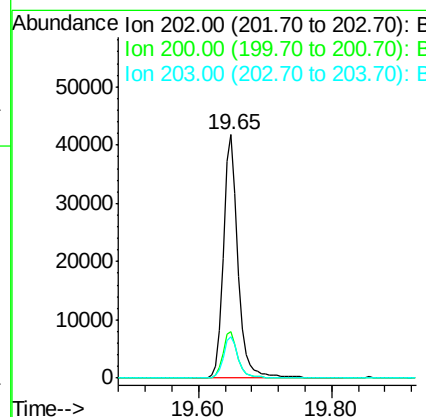
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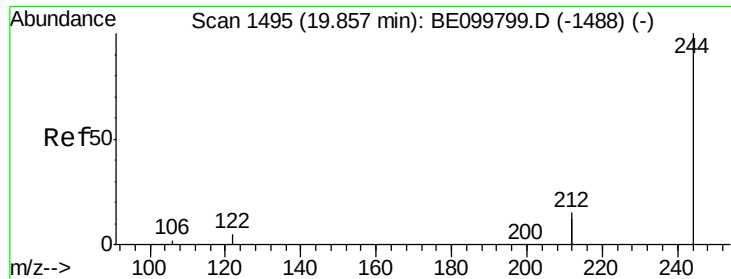


#28  
Pyrene  
Concen: 1.426 ng  
RT: 19.65 min Scan# 1459  
Delta R.T. -0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Tgt Ion:202 Resp: 62171  
Ion Ratio Lower Upper  
202 100  
200 19.3 15.6 23.4  
203 17.4 14.1 21.1







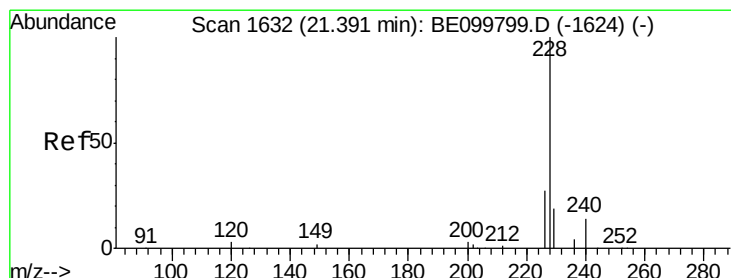
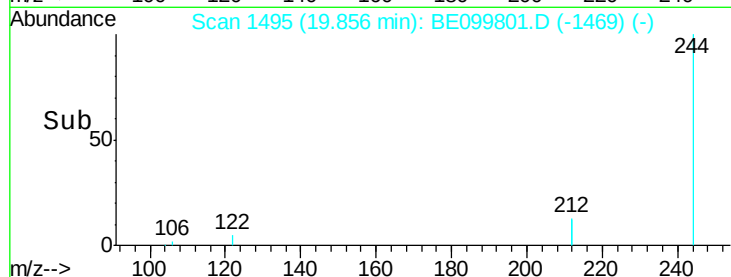
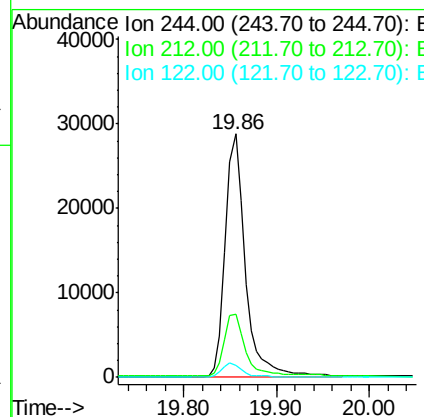
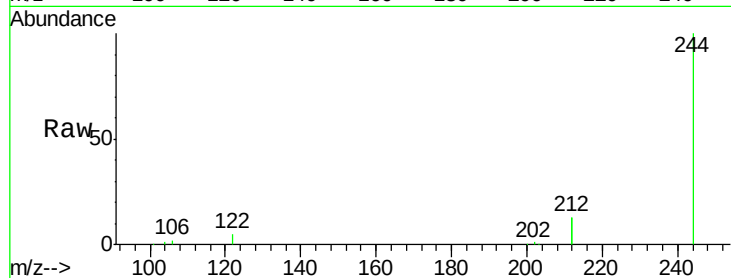
#29  
 Terphenyl-d14  
 Concen: 1.400 ng  
 RT: 19.86 min Scan# 1495  
 Delta R.T. -0.00 min  
 Lab File: BE099801.D  
 Acq: 5 Jun 2019 11:36

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 25.9  | 23.7  | 35.5  |
| 122     | 5.1   | 4.8   | 7.2   |

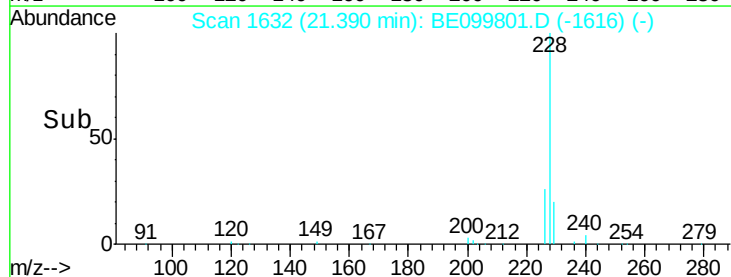
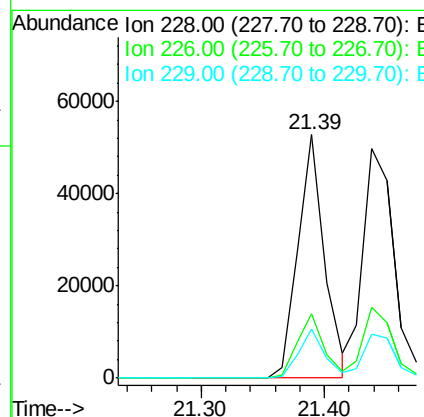
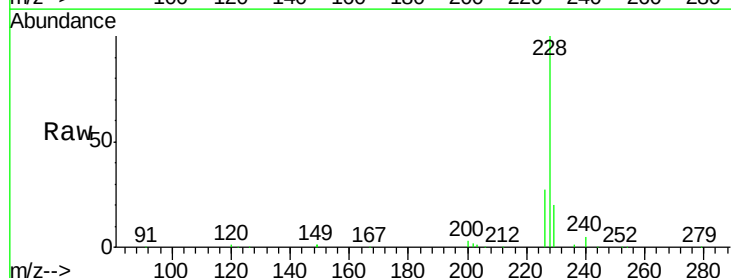
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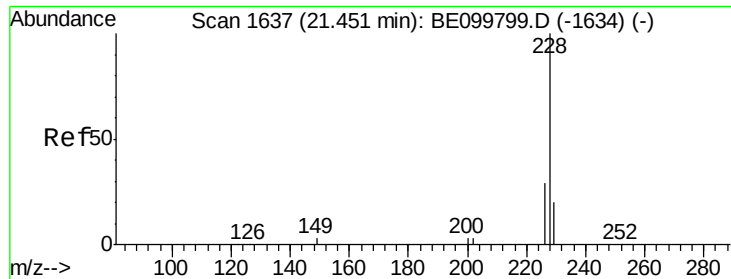
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#30  
 Benzo(a)anthracene  
 Concen: 1.592 ng  
 RT: 21.39 min Scan# 1632  
 Delta R.T. -0.00 min  
 Lab File: BE099801.D  
 Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.5  | 21.6  | 32.4  |
| 229     | 20.1  | 15.8  | 23.6  |





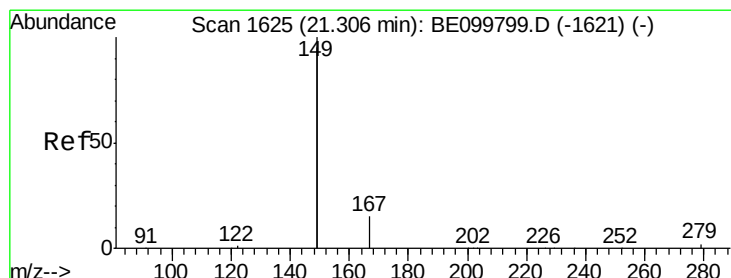
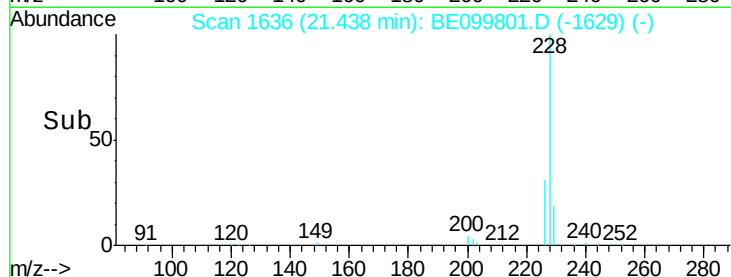
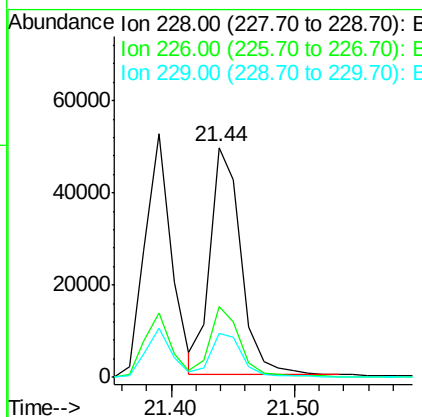
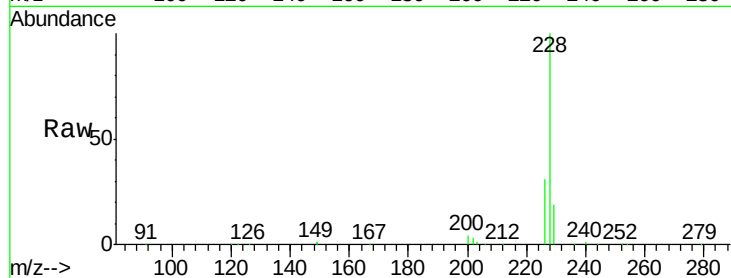
#31  
Chrysene  
Concen: 1.620 ng  
RT: 21.44 min Scan# 1636  
Delta R.T. -0.01 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 22.9  | 34.3  |
| 229     | 19.3  | 16.4  | 24.6  |

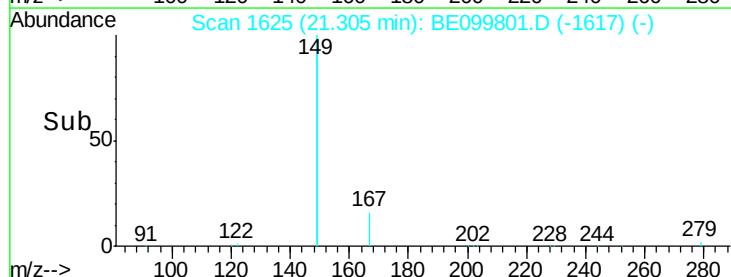
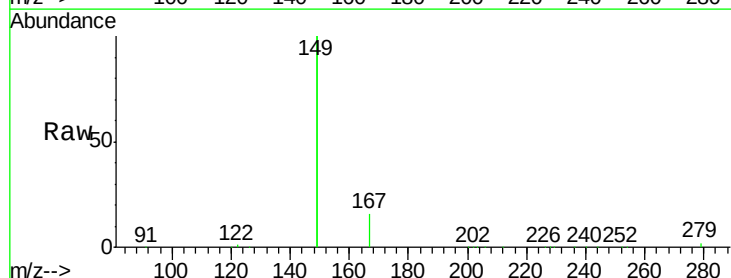
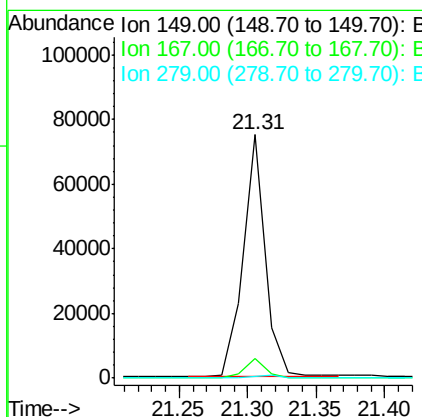
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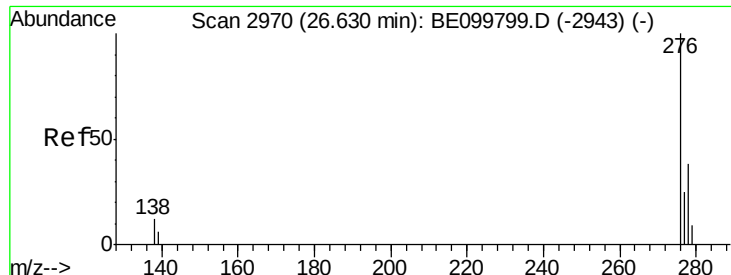
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 1.474 ng  
RT: 21.31 min Scan# 1625  
Delta R.T. -0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.7   | 6.0   | 9.0   |
| 279     | 1.5   | 1.2   | 1.8   |





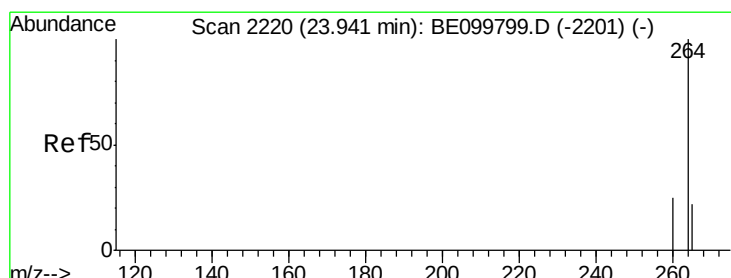
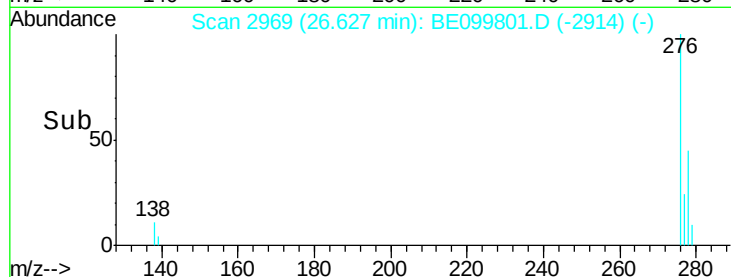
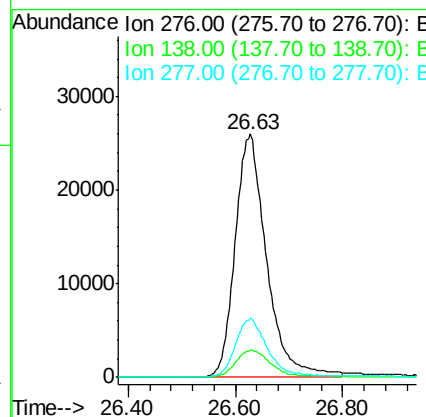
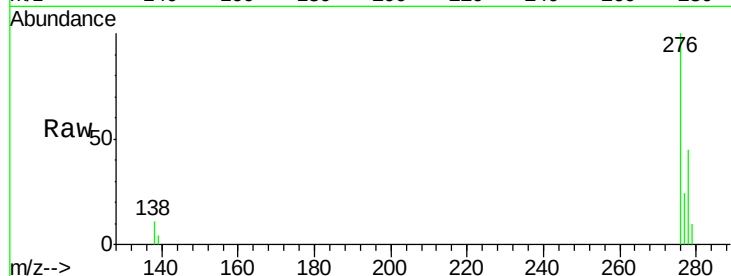
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.650 ng  
 RT: 26.63 min Scan# 2969  
 Delta R.T. -0.00 min  
 Lab File: BE099801.D  
 Acq: 5 Jun 2019 11:36

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 12.1  | 10.3  | 15.5  |
| 277     | 24.6  | 19.4  | 29.2  |

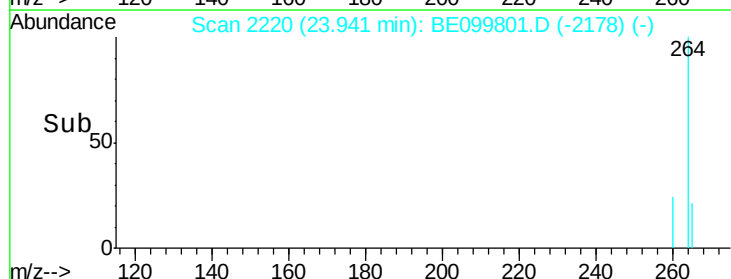
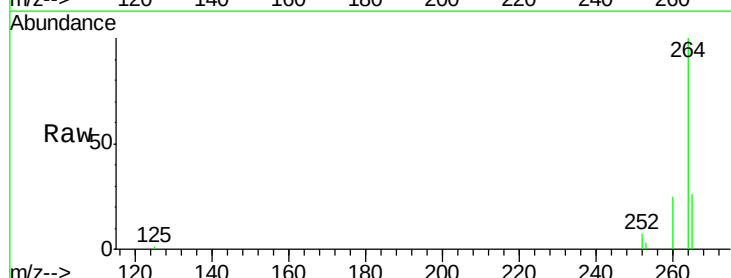
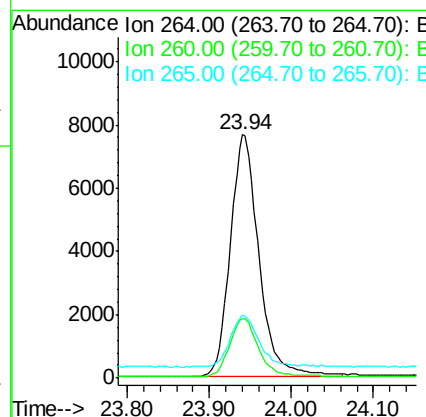
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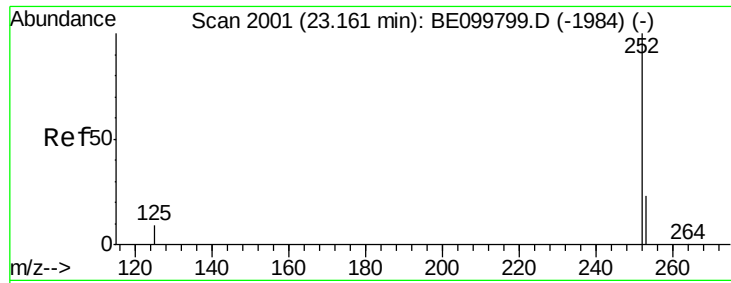
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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.94 min Scan# 2220  
 Delta R.T. -0.00 min  
 Lab File: BE099801.D  
 Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 20.0  | 30.0  |
| 265     | 25.9  | 20.7  | 31.1  |





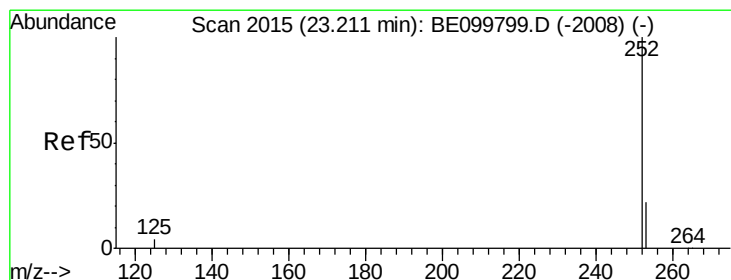
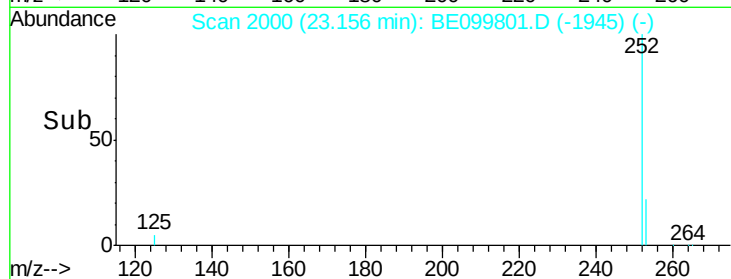
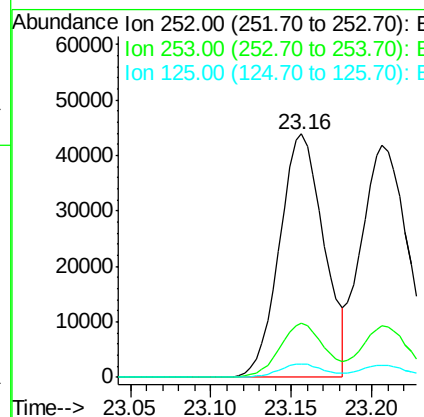
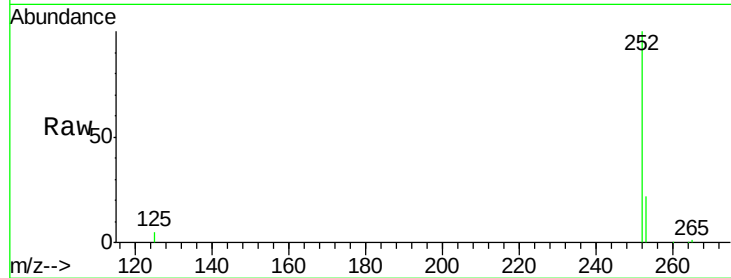
#35  
Benzo(b)fluoranthene  
Concen: 1.653 ng  
RT: 23.16 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.9  | 28.3  |
| 125     | 5.4   | 7.6   | 11.4  |

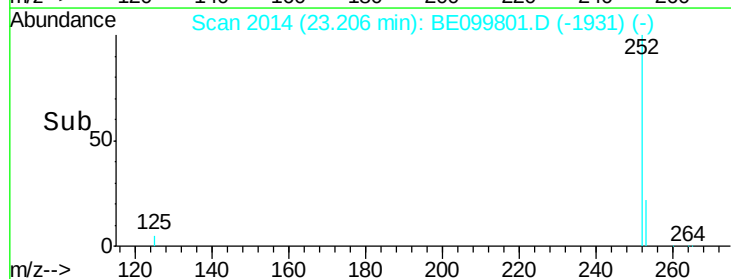
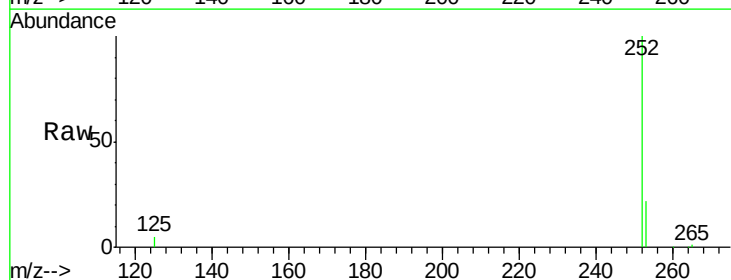
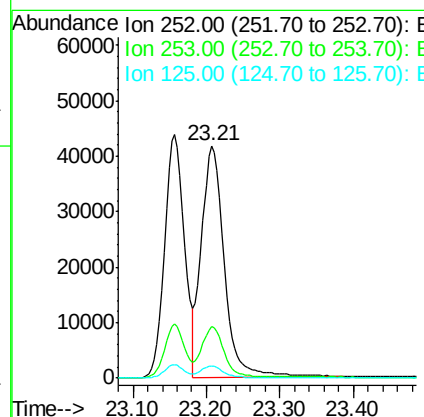
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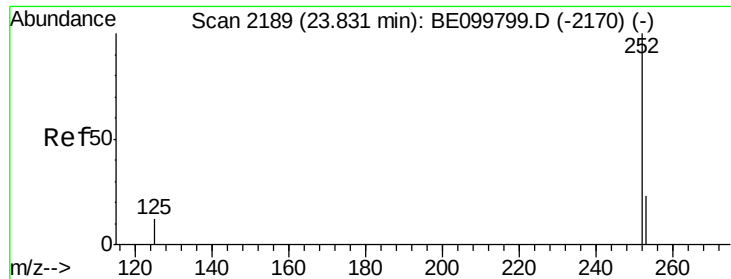
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#36  
Benzo(k)fluoranthene  
Concen: 1.689 ng  
RT: 23.21 min Scan# 2014  
Delta R.T. -0.00 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 18.4  | 27.6  |
| 125     | 5.1   | 4.6   | 7.0   |





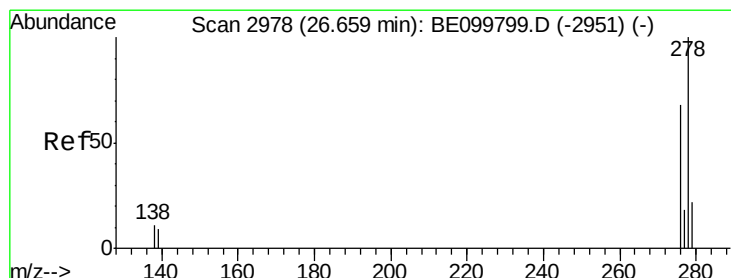
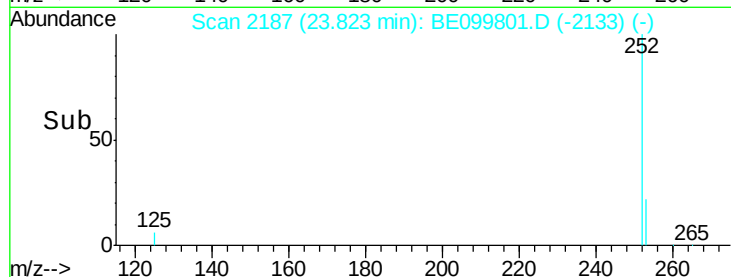
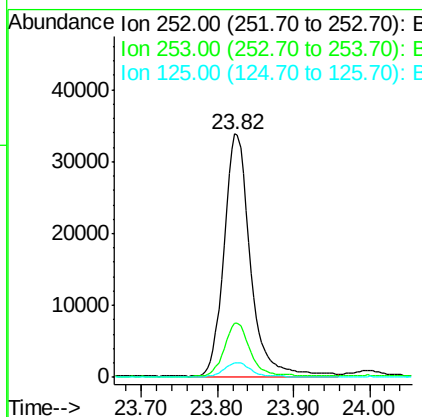
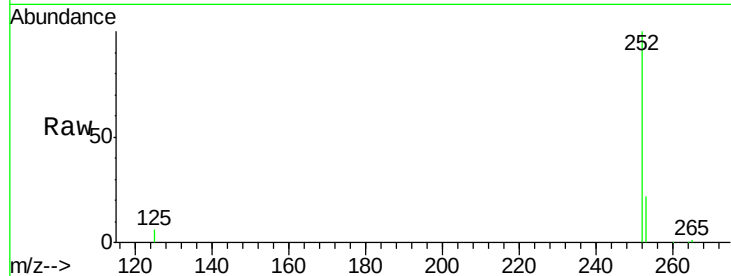
#37  
Benzo(a)pyrene  
Concen: 1.664 ng  
RT: 23.82 min Scan# 2187  
Delta R.T. -0.01 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 19.3  | 28.9  |
| 125     | 6.1   | 10.2  | 15.4  |

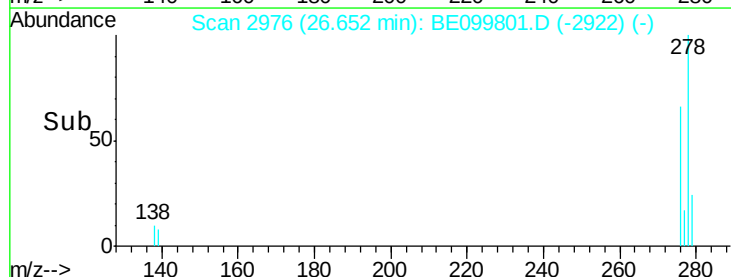
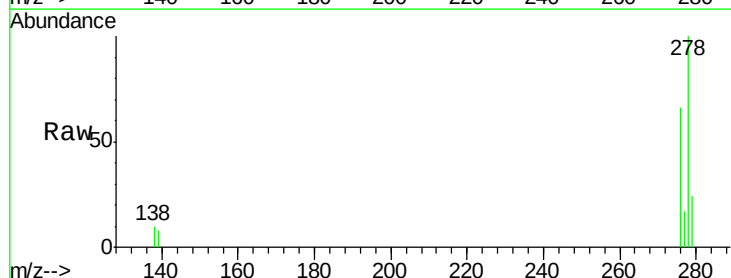
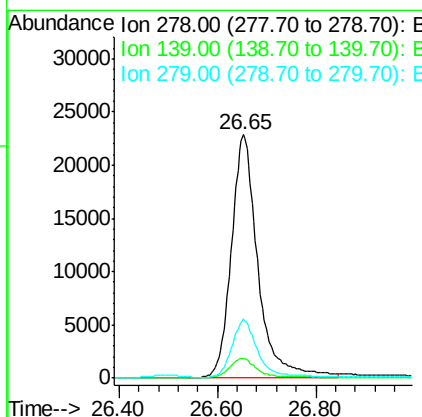
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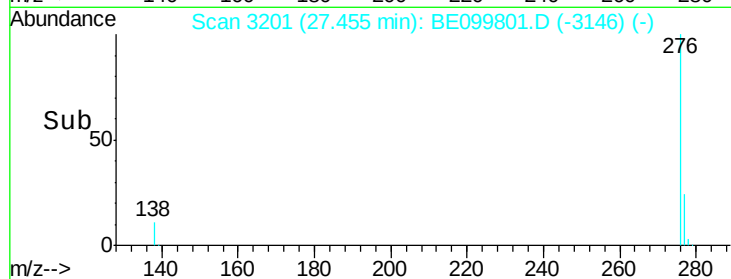
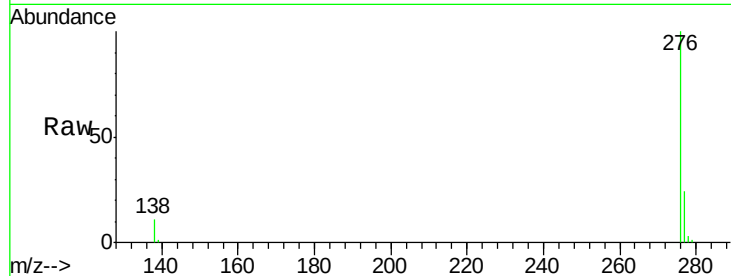
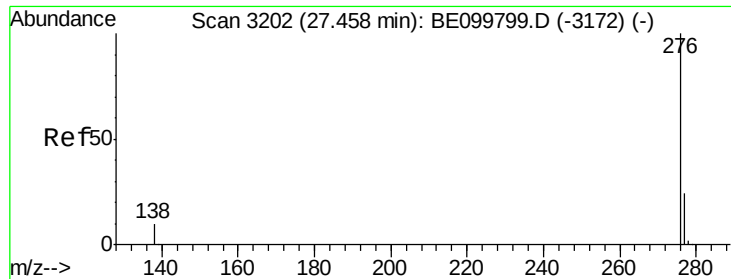
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#38  
Dibenzo(a,h)anthracene  
Concen: 1.667 ng  
RT: 26.65 min Scan# 2976  
Delta R.T. -0.01 min  
Lab File: BE099801.D  
Acq: 5 Jun 2019 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 8.2   | 7.9   | 11.9  |
| 279     | 24.1  | 18.5  | 27.7  |





#39

Benzo(a,h,i)perylene

Concen: 1.702 ng

RT: 27.45 min Scan# 3201

Delta R.T. -0.00 min

Lab File: BE099801.D

Acq: 5 Jun 2019 11:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 87883 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 23.9  | 19.6  | 29.4  |
| 138       | 10.9  | 9.0   | 13.4  |

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

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