

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061019\  
 Data File : BE099894.D  
 Acq On : 10 Jun 2019 17:26  
 Operator : JU/SJ  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDC00.4

Manual Integrations  
 APPROVED

mohammad  
 6/14/2019 8:39:10 AM

Quant Time: Jun 11 08:43:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 10 14:57:20 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 713      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 2651     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2054     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.22 | 188  | 6676     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 9213     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.93 | 264  | 10523    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

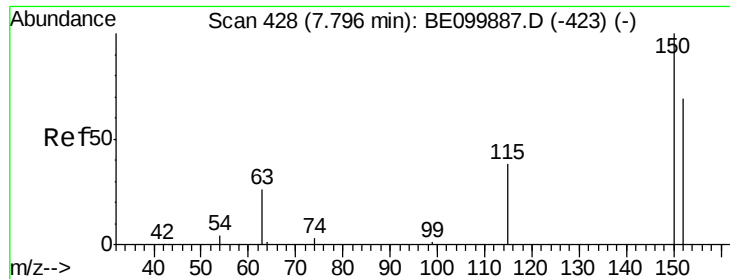
|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.36  | 112 | 718   | 0.37 | ng | 0.00 |
| 5) Phenol-d6                | 6.96  | 99  | 925   | 0.37 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 917   | 0.37 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 1833  | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 528m  | 0.35 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 2923  | 0.38 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.25 | 212 | 36209 | 0.37 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.85 | 244 | 7109  | 0.43 | ng | 0.00 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 437   | 0.414 | ng | 92     |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 212m  | 0.348 | ng |        |
| 6) bis(2-Chloroethyl)ether     | 7.22  | 93  | 820   | 0.405 | ng | 76     |
| 9) Naphthalene                 | 10.65 | 128 | 11420 | 0.399 | ng | 99     |
| 10) Hexachlorobutadiene        | 10.93 | 225 | 918   | 0.421 | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 1841  | 0.396 | ng | 96     |
| 16) Acenaphthylene             | 14.20 | 152 | 3874  | 0.379 | ng | 98     |
| 17) Acenaphthene               | 14.53 | 154 | 2139  | 0.384 | ng | 99     |
| 18) Fluorene                   | 15.52 | 166 | 3152  | 0.377 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248 | 1514  | 0.400 | ng | 97     |
| 21) Hexachlorobenzene          | 16.52 | 284 | 1454  | 0.376 | ng | 98     |
| 22) Pentachlorophenol          | 16.93 | 266 | 329   | 0.477 | ng | 97     |
| 23) Phenanthrene               | 17.26 | 178 | 6207  | 0.383 | ng | 99     |
| 24) Anthracene                 | 17.35 | 178 | 5239  | 0.353 | ng | 99     |
| 26) Fluoranthene               | 19.28 | 202 | 10340 | 0.376 | ng | 99     |
| 28) Pyrene                     | 19.64 | 202 | 10735 | 0.444 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 11479 | 0.417 | ng | 98     |
| 31) Chrysene                   | 21.44 | 228 | 12462 | 0.438 | ng | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 14871 | 0.376 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.61 | 276 | 14059 | 0.416 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 23.15 | 252 | 11257 | 0.382 | ng | 99     |
| 36) Benzo(k)fluoranthene       | 23.20 | 252 | 12099 | 0.392 | ng | 99     |
| 37) Benzo(a)pyrene             | 23.82 | 252 | 11335 | 0.390 | ng | 99     |
| 38) Dibenzo(a,h)anthracene     | 26.64 | 278 | 11106 | 0.380 | ng | 99     |
| 39) Benzo(g,h,i)perylene       | 27.44 | 276 | 12024 | 0.398 | ng | 99     |

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





#1

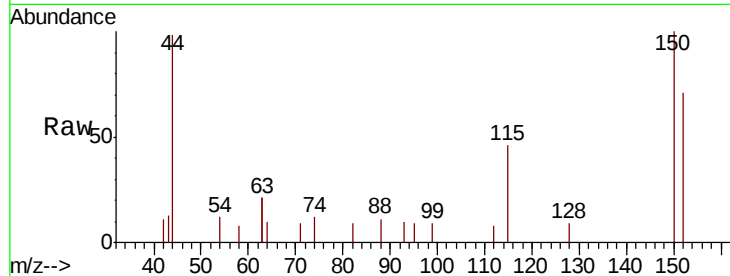
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 141.0 | 111.0 | 166.6 |
| 115     | 65.4  | 50.7  | 76.1  |

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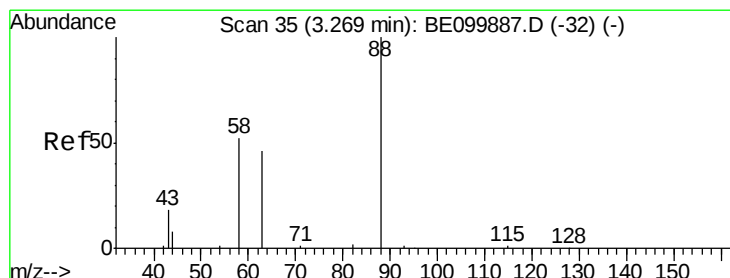
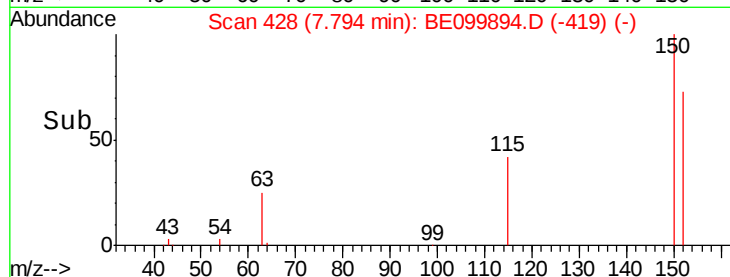
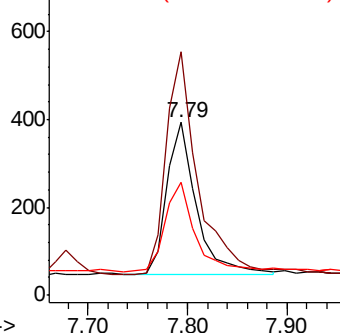


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

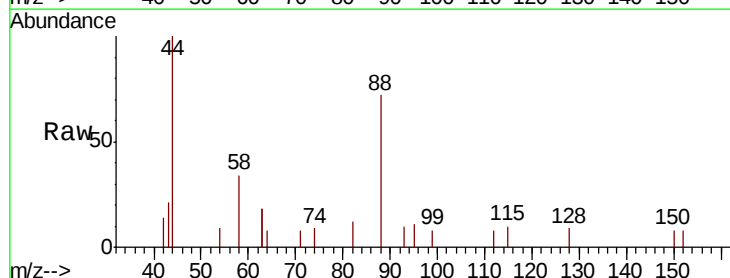
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.414 ng  
RT: 3.27 min Scan# 35  
Delta R.T. -0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 53.5  | 48.8  | 73.2  |
| 43      | 21.3  | 19.0  | 28.6  |

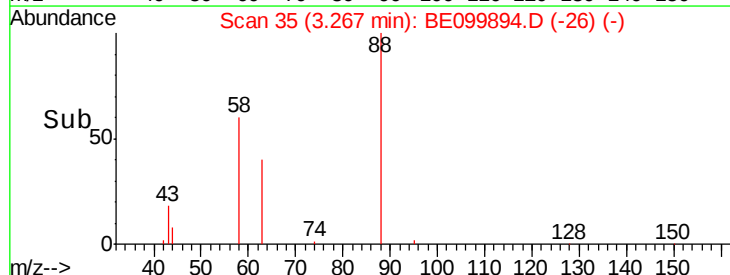
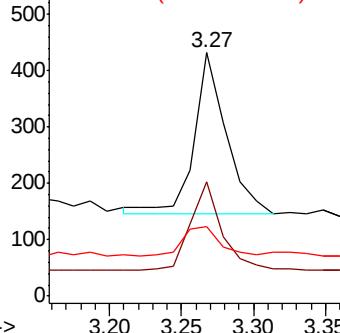


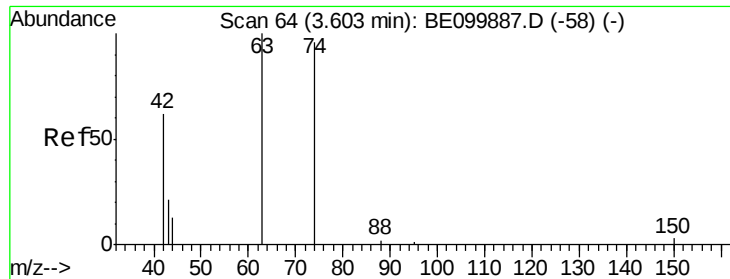
Abundance

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

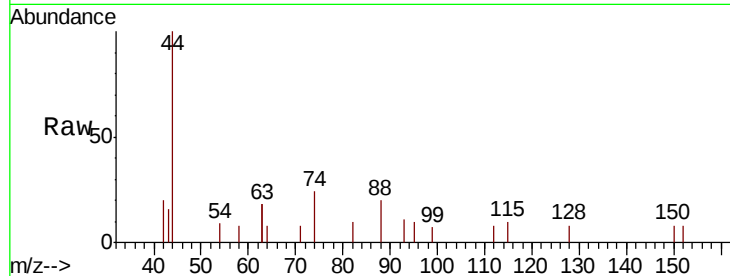
n-Nitrosodimethylamine  
Concen: 0.348 ng/ml  
RT: 3.61 min Scan# 65  
Delta R.T. 0.01 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

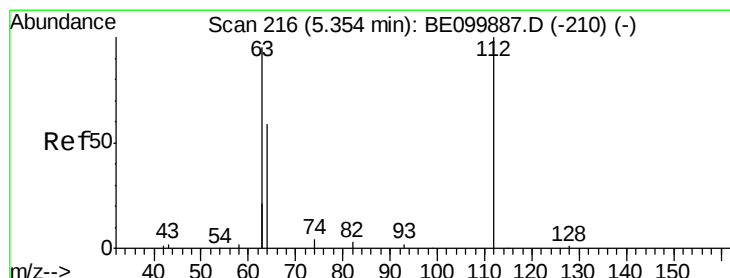
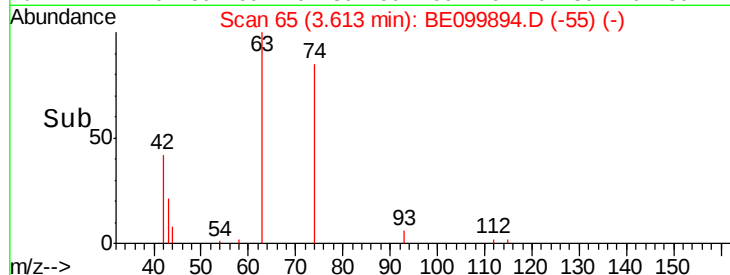
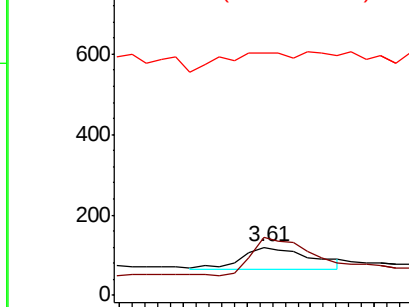
| Tot Ion | 42    | Resp  | 212   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 42      | 100   |       |       |
| 74      | 133.5 | 0.0   | 0.0#  |
| 44      | 89.2  | 0.0   | 0.0#  |

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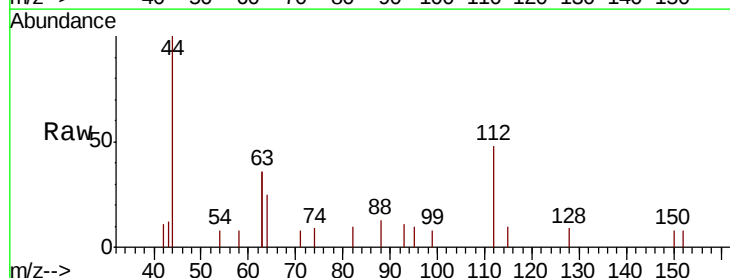
Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0



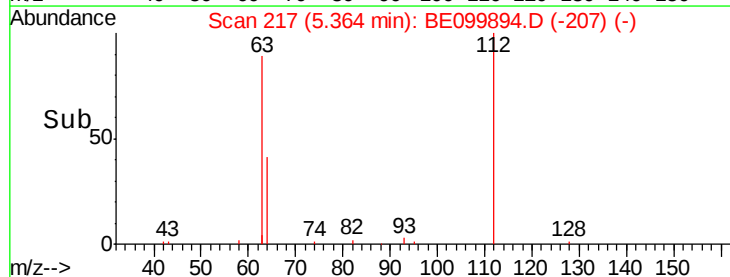
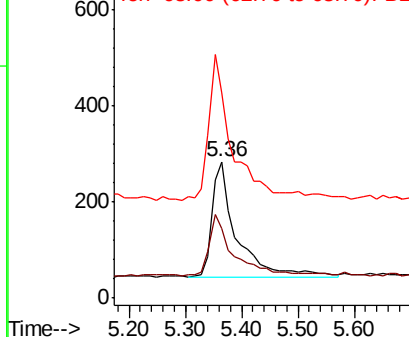
#4

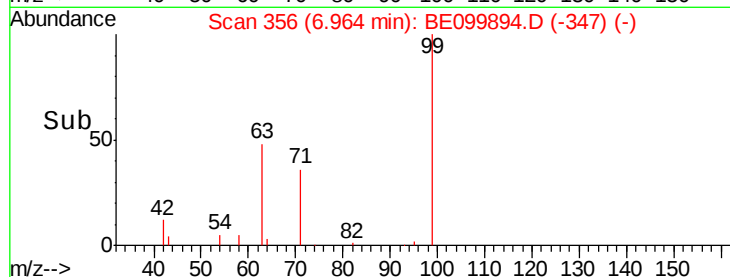
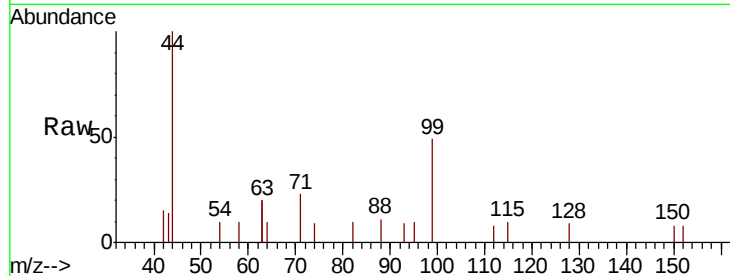
2-Fluorophenol  
Concen: 0.373 ng  
RT: 5.36 min Scan# 217  
Delta R.T. 0.01 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | 112   | Resp  | 718   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 112     | 100   |       |       |
| 64      | 54.0  | 44.1  | 66.1  |
| 63      | 125.5 | 87.8  | 131.6 |



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: 0.373 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 925   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 16.8  | 15.9  | 23.9  |
| 71       | 35.9  | 34.6  | 52.0  |

Instrument :

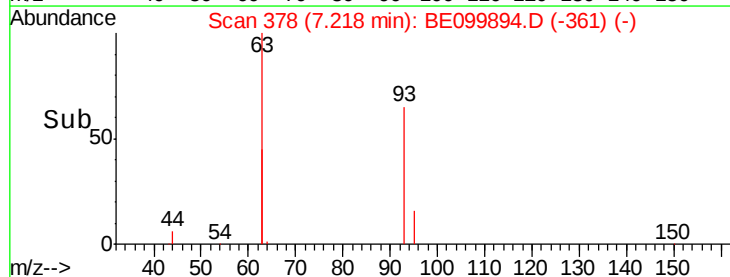
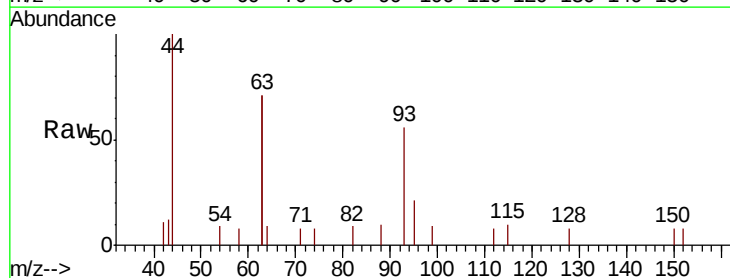
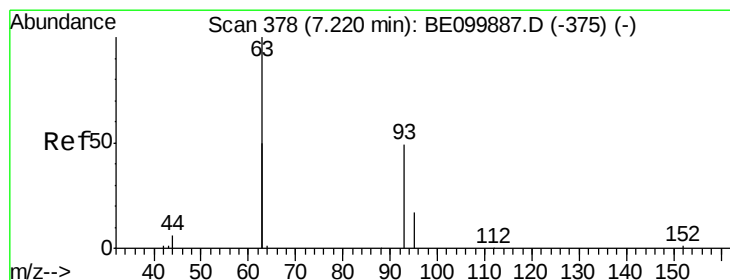
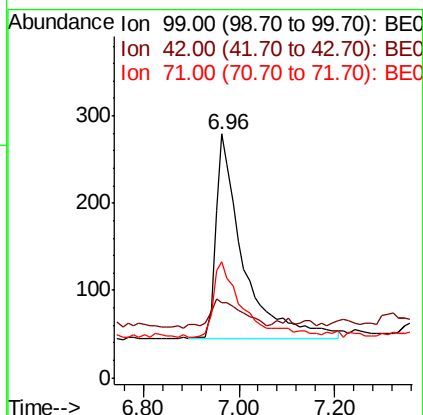
BNA\_E

ClientSampleId :

SSTDCCC0.4

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#6

bis(2-Chloroethyl)ether

Concen: 0.405 ng

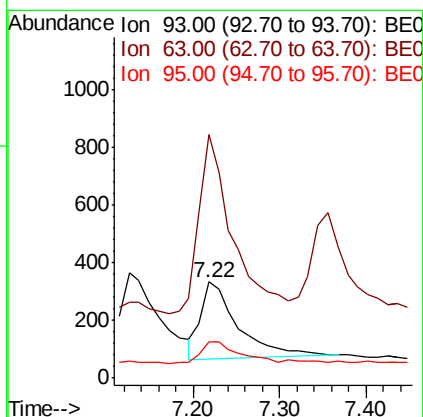
RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 820   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 205.6 | 202.8 | 304.2 |
| 95       | 30.1  | 23.7  | 35.5  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

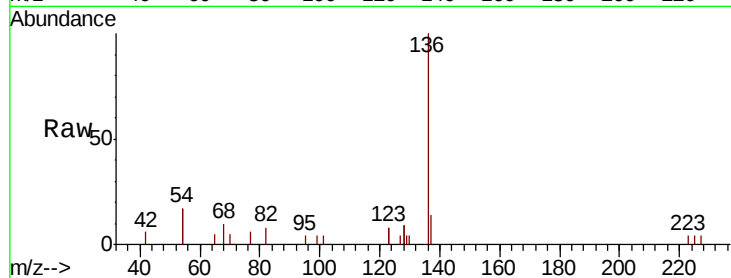
ClientSampleId :

SSTDCCC0.4

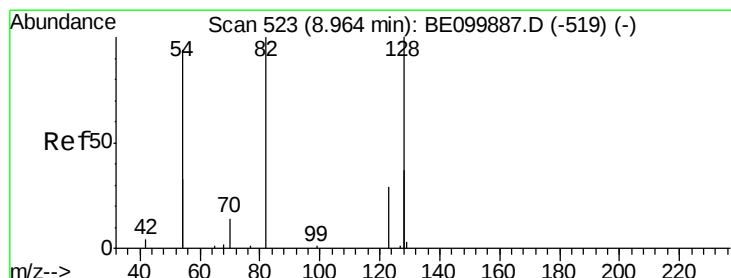
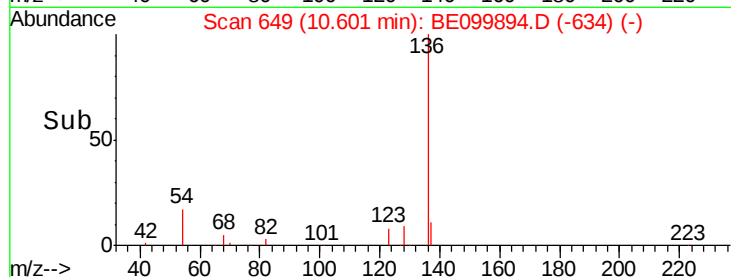
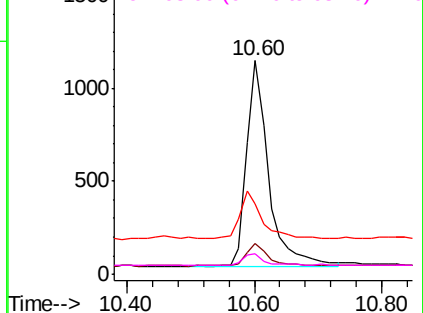
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 14.2  | 12.3  | 18.5  |
| 54      | 33.1  | 28.2  | 42.4  |
| 68      | 9.6   | 7.8   | 11.8  |

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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: 0.365 ng

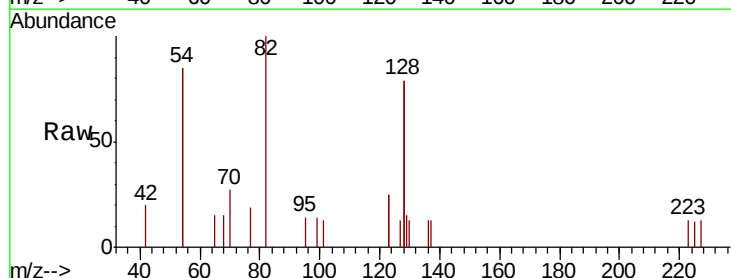
RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

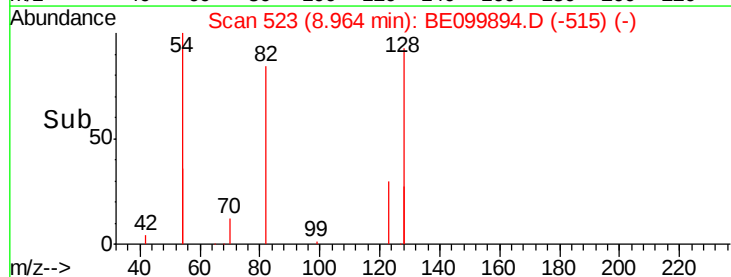
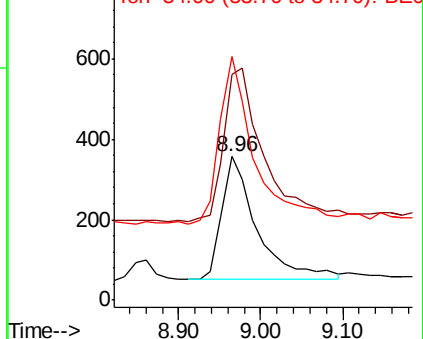
Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 157.4 | 137.3 | 205.9 |
| 54      | 169.7 | 129.7 | 194.5 |



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: 0.399 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

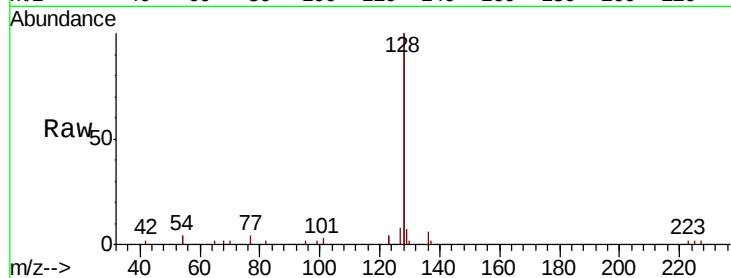
ClientSampleId :

SSTDCCC0.4

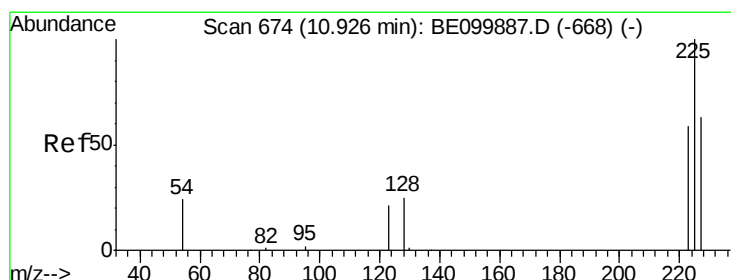
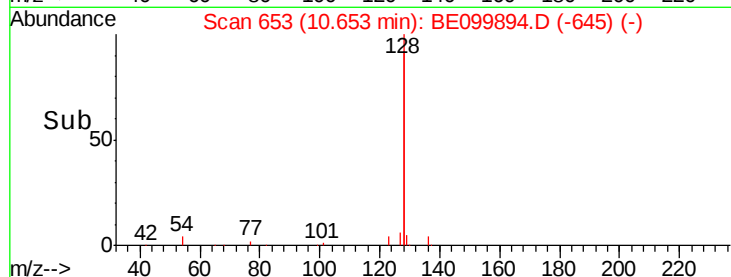
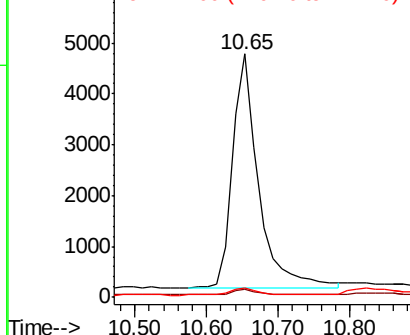
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 11420 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.5   | 3.0   | 4.6   |
| 127       | 4.1   | 3.4   | 5.0   |

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.421 ng

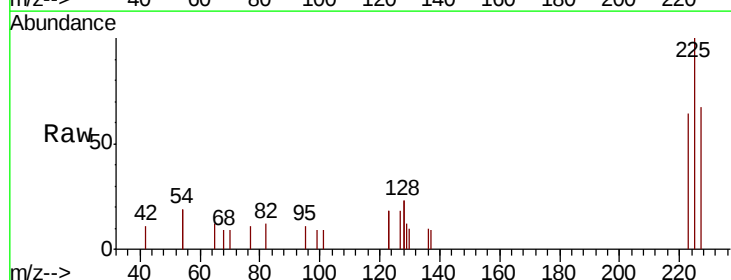
RT: 10.93 min Scan# 674

Delta R.T. 0.00 min

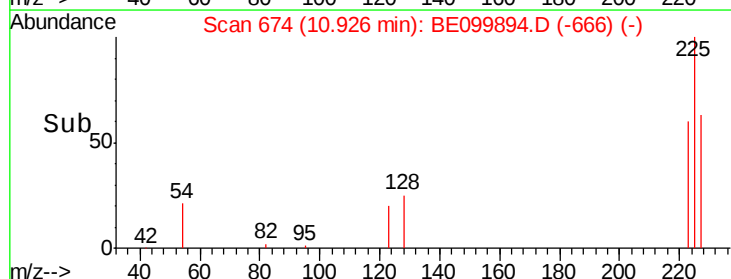
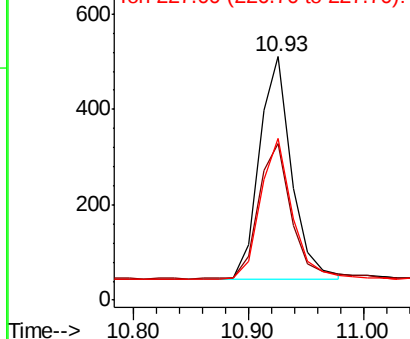
Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 918  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 62.0  | 51.6  | 77.4 |
| 227       | 62.2  | 50.6  | 76.0 |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





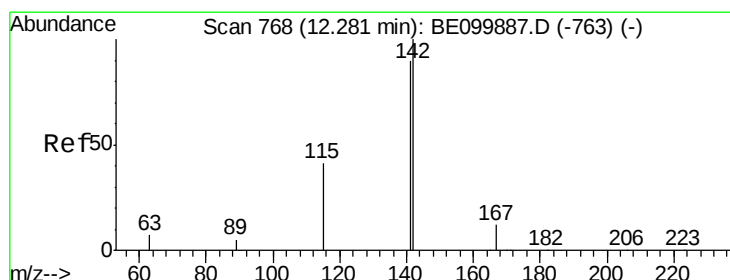
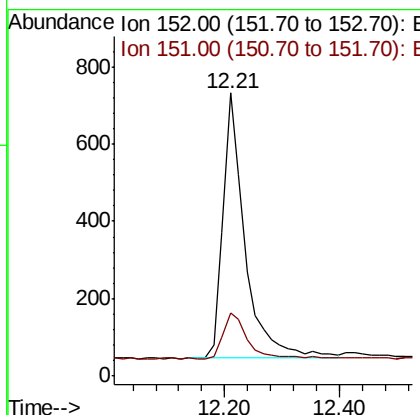
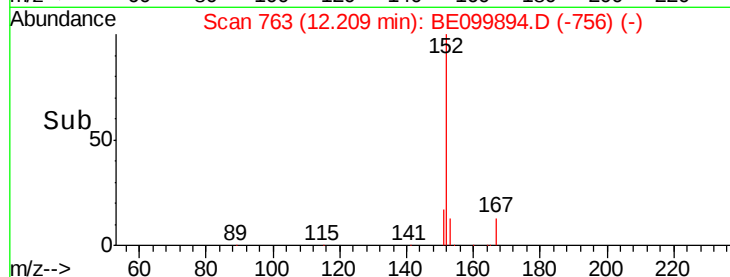
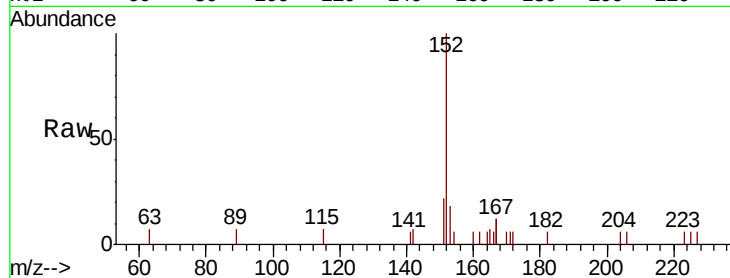
#11  
2-Methylnaphthalene-d10  
Concen: 0.396 ng  
RT: 12.21 min Scan# 763  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.2  | 22.8  |

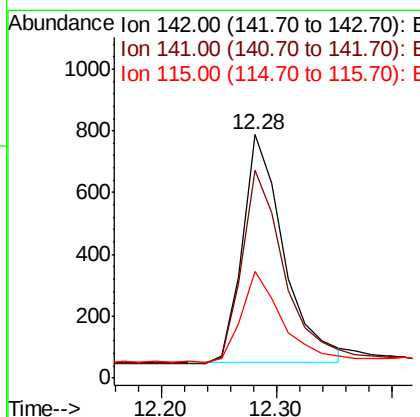
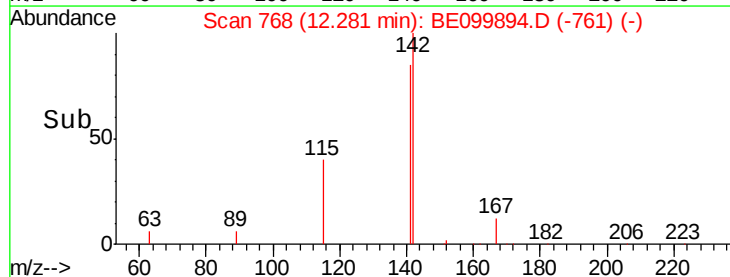
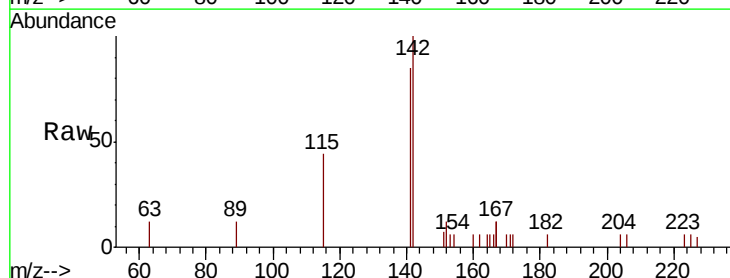
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#12  
2-Methylnaphthalene  
Concen: 0.396 ng  
RT: 12.28 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 85.3  | 72.3  | 108.5 |
| 115     | 43.8  | 36.4  | 54.6  |





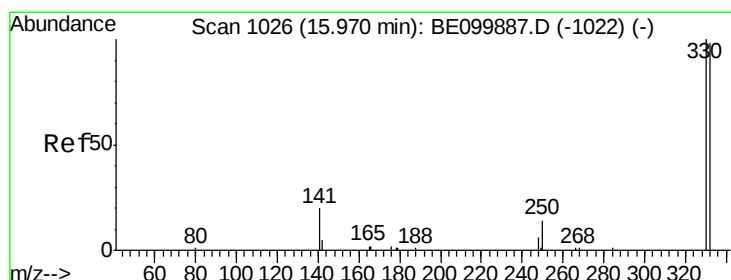
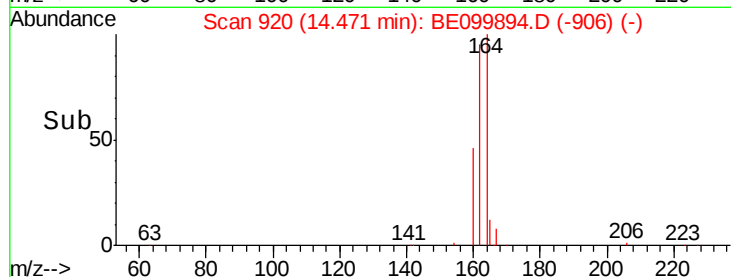
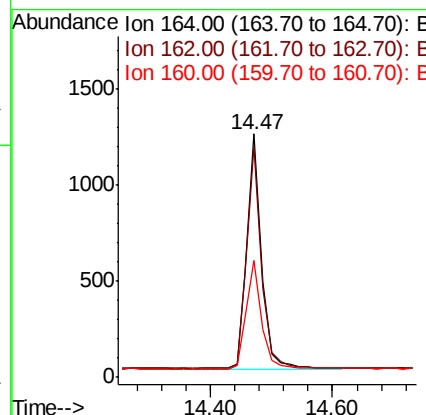
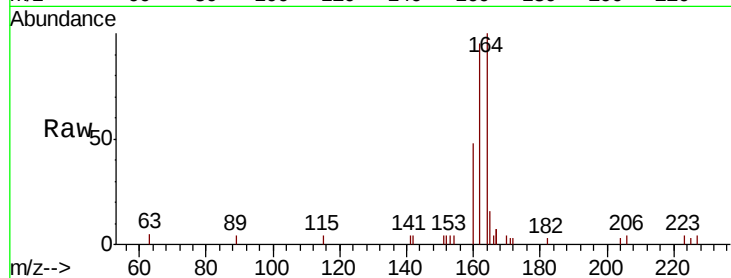
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.9  | 77.8  | 116.8 |
| 160     | 48.3  | 38.2  | 57.4  |

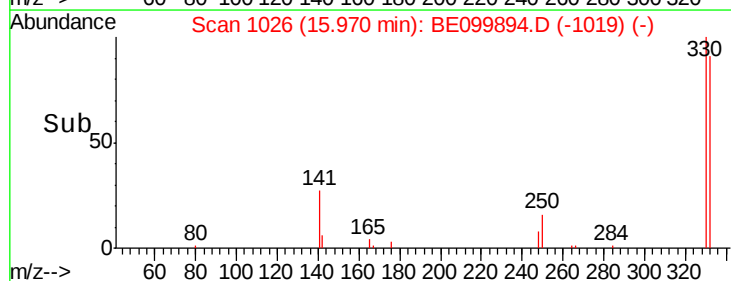
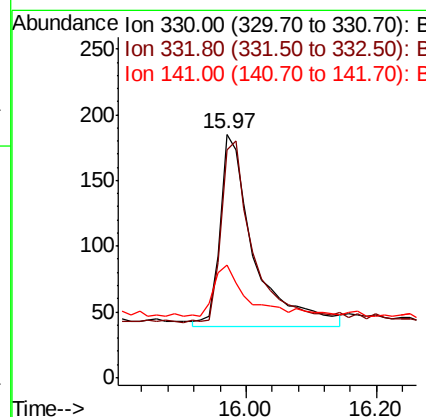
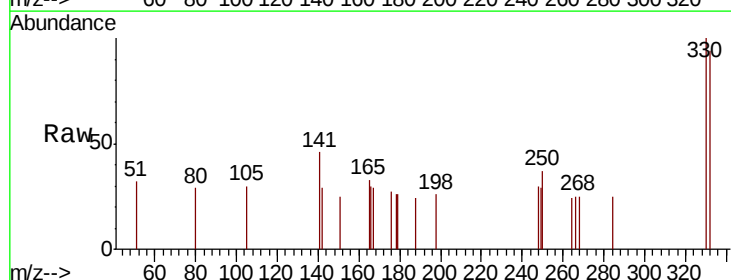
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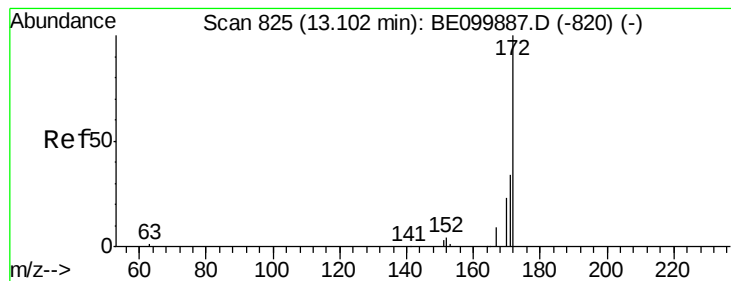
mohammad  
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#14  
2,4,6-Tribromophenol  
Concen: 0.348 ng m  
RT: 15.97 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.4  | 76.7  | 115.1 |
| 141     | 26.1  | 21.0  | 31.6  |





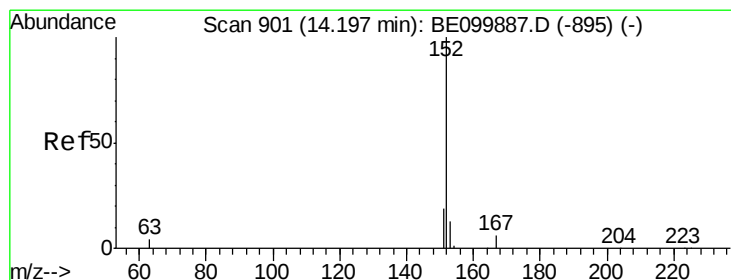
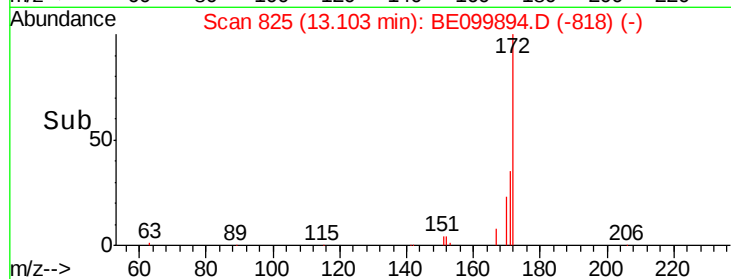
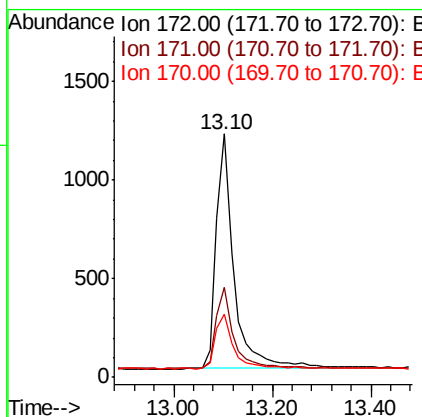
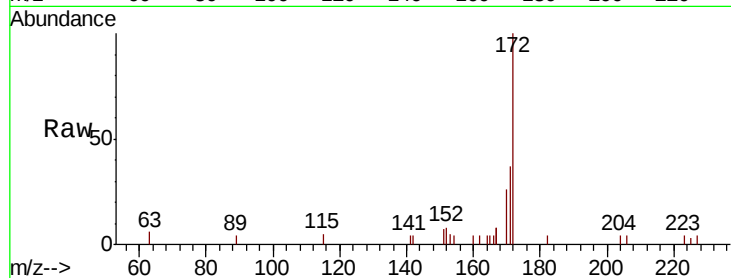
#15  
2-Fluorobiphenyl  
Concen: 0.375 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.2  | 43.8  |
| 170     | 26.0  | 21.2  | 31.8  |

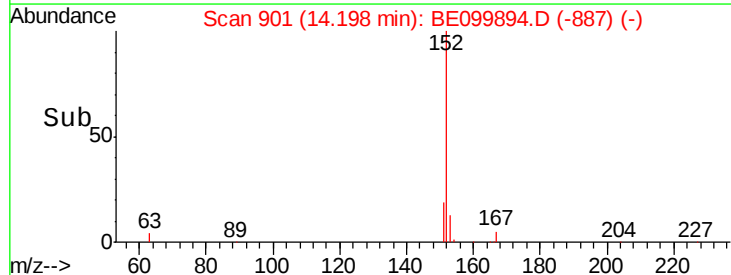
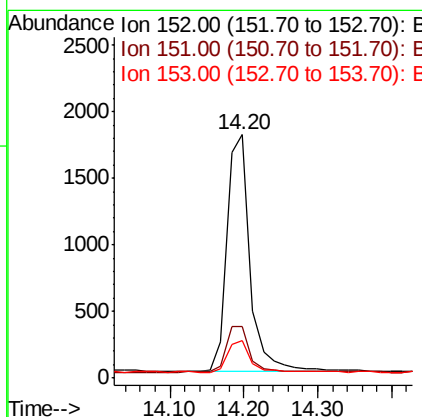
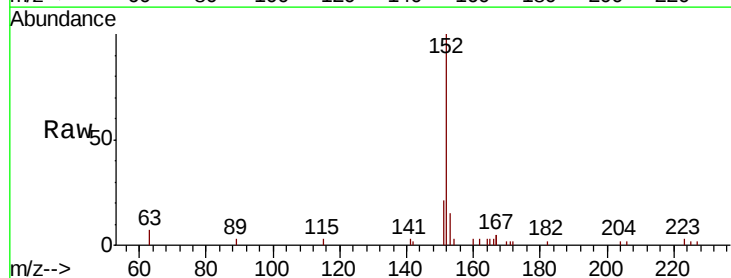
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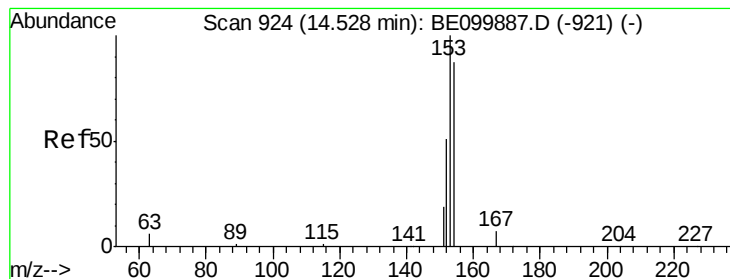
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#16  
Acenaphthylene  
Concen: 0.379 ng  
RT: 14.20 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.4  | 15.5  | 23.3  |
| 153     | 13.0  | 10.2  | 15.2  |





#17

Acenaphthene

Concen: 0.384 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

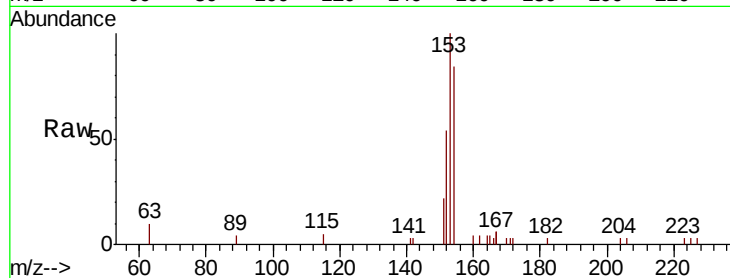
ClientSampleId :

SSTDCCC0.4

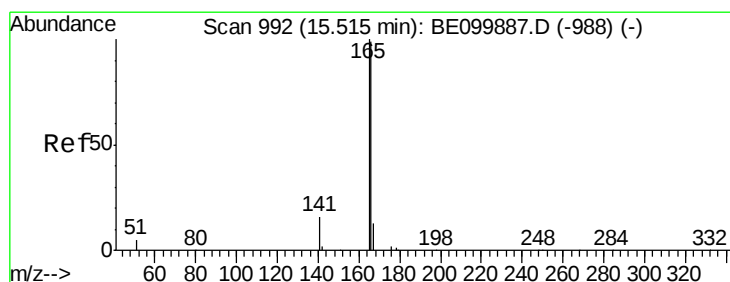
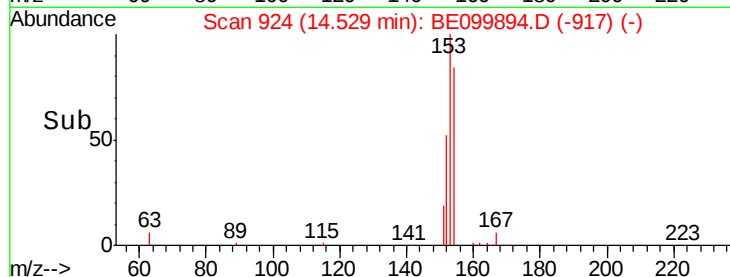
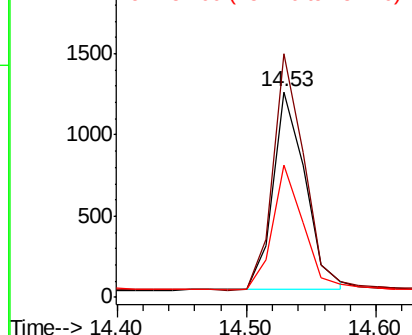
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 2139  |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 114.2 | 93.1  | 139.7 |
| 152      | 58.9  | 47.0  | 70.4  |

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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: 0.377 ng

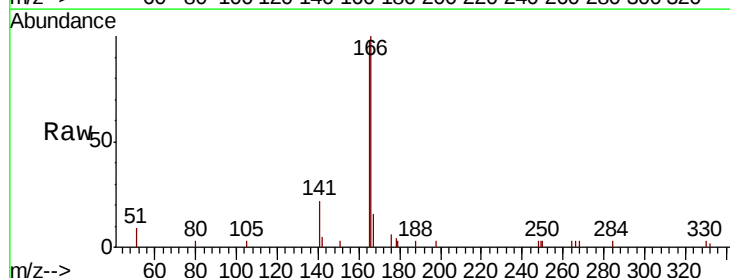
RT: 15.52 min Scan# 992

Delta R.T. 0.00 min

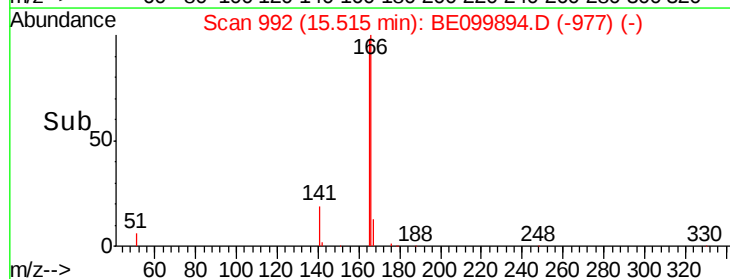
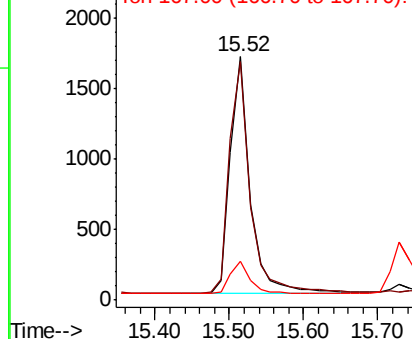
Lab File: BE099894.D

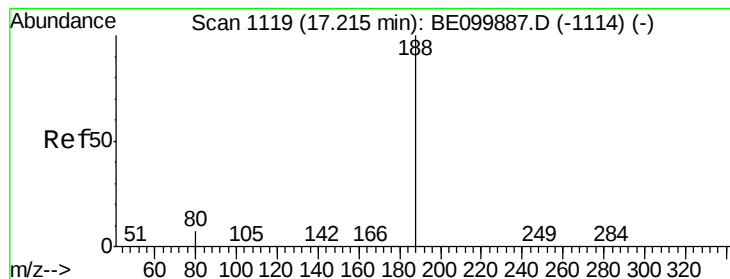
Acq: 10 Jun 2019 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 3152  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 102.9 | 81.8  | 122.8 |
| 167      | 14.0  | 11.2  | 16.8  |



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. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

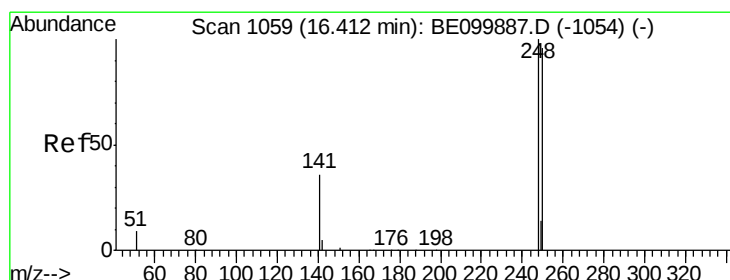
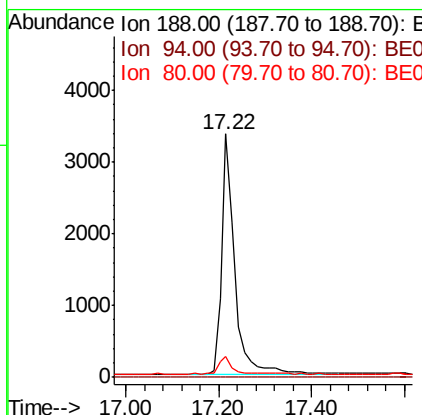
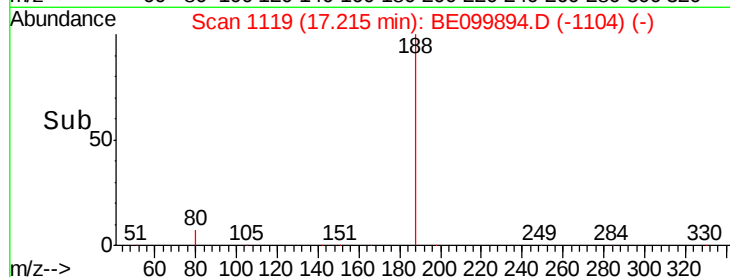
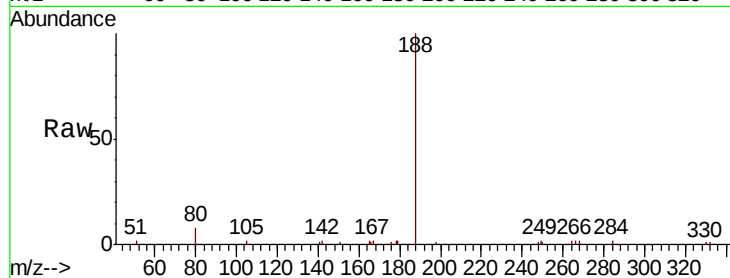
ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 188   | Resp: | 6676  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 8.5   | 6.4   | 9.6   |

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#20

4-Bromophenyl-phenylether

Concen: 0.400 ng

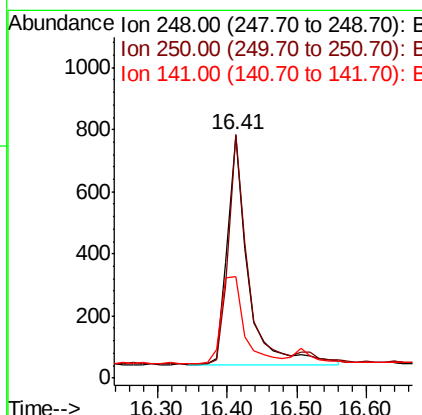
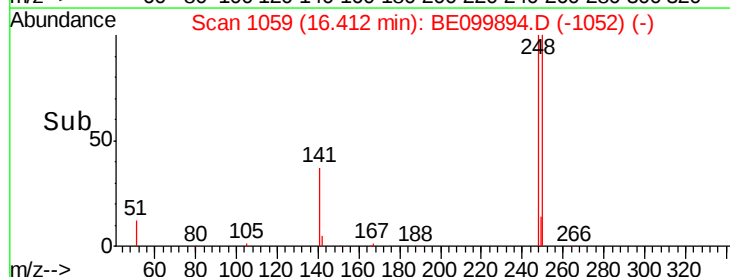
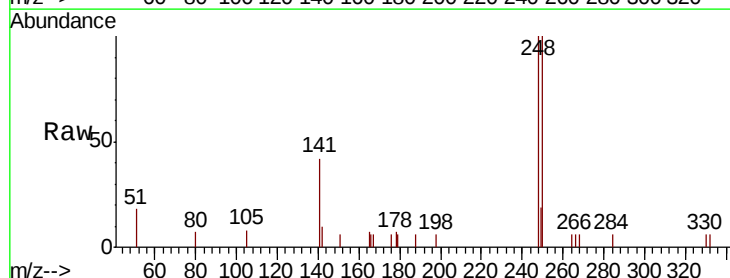
RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 248   | Resp: | 1514  |
| Ion      | Ratio | Lower | Upper |
| 248      | 100   |       |       |
| 250      | 100.3 | 77.5  | 116.3 |
| 141      | 41.7  | 31.8  | 47.8  |





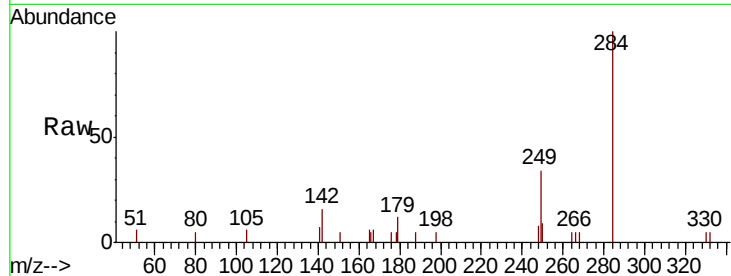
#21  
Hexachlorobenzene  
Concen: 0.376 ng  
RT: 16.52 min Scan# 1067  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

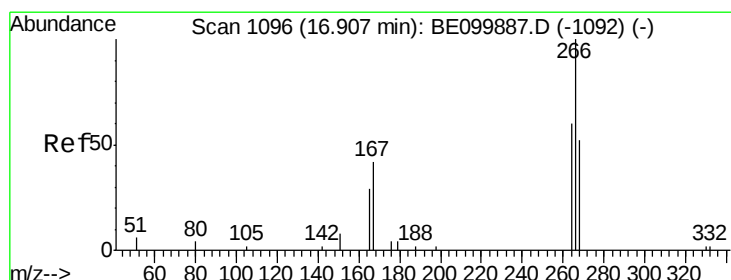
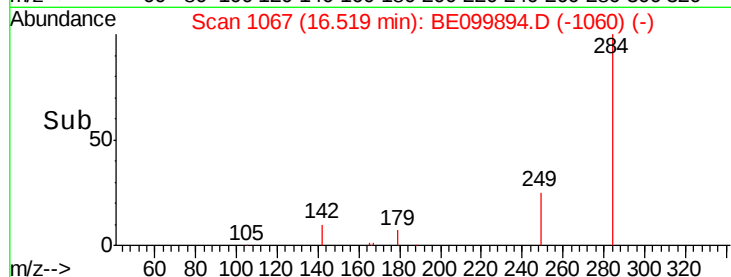
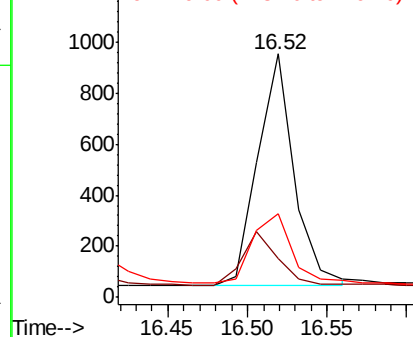
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 1454 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 22.9  | 18.2  | 27.4 |
| 249       | 32.2  | 24.6  | 37.0 |

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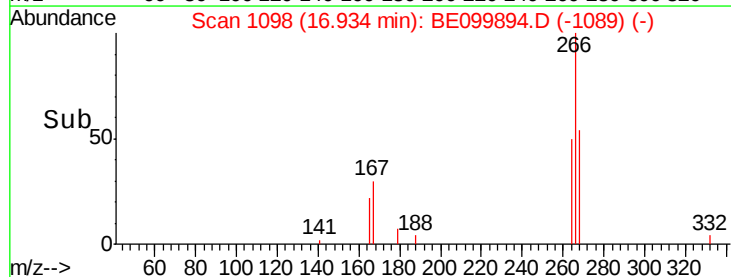
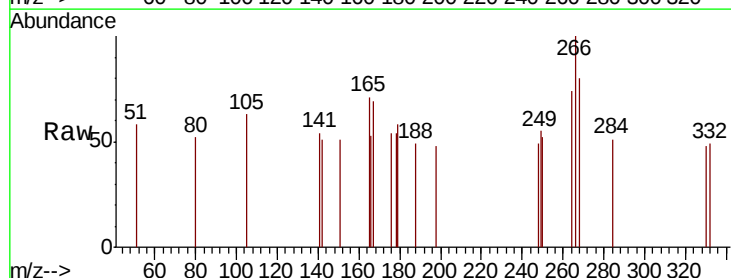
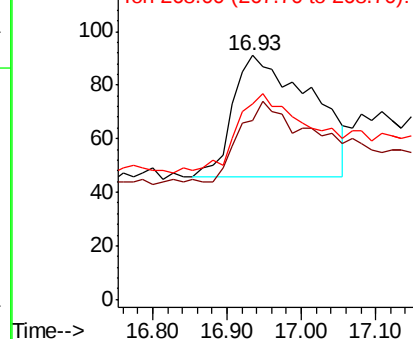
Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

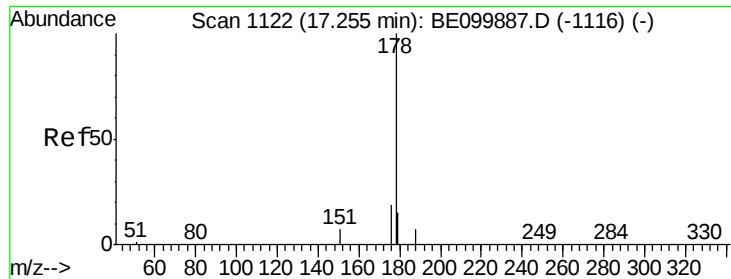


#22  
Pentachlorophenol  
Concen: 0.477 ng  
RT: 16.93 min Scan# 1098  
Delta R.T. 0.03 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 329  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 73.6  | 62.2  | 93.2 |
| 268       | 80.2  | 65.5  | 98.3 |

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: 0.383 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

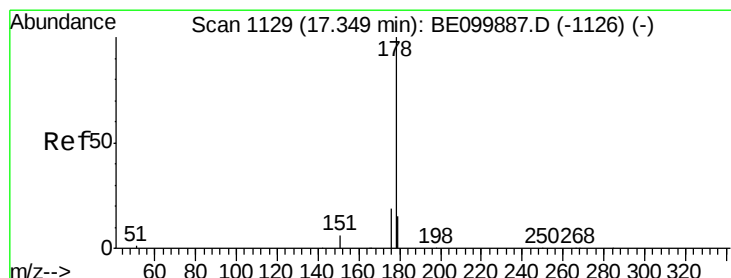
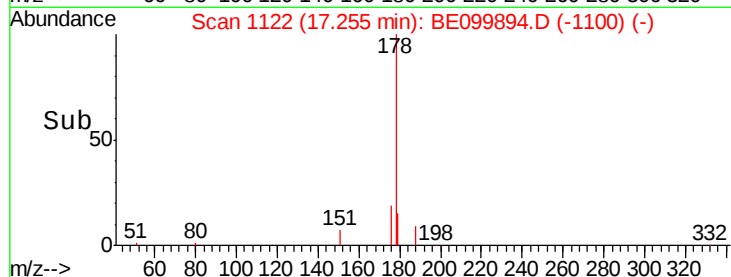
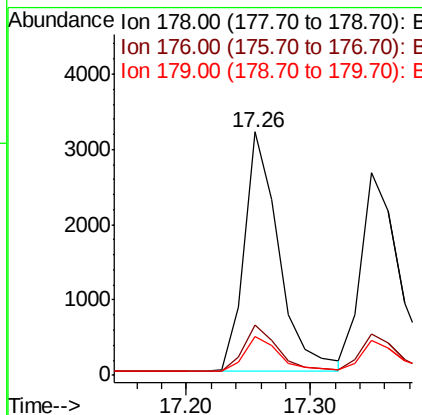
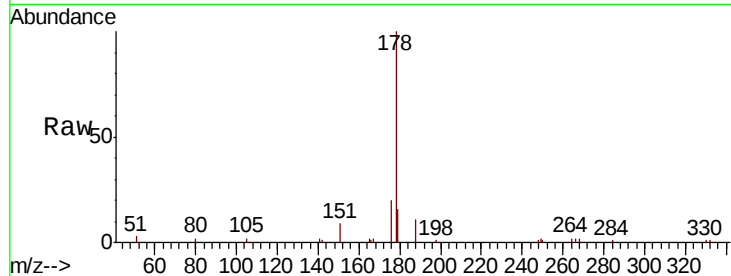
ClientSampleId :

SSTDCCC0.4

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 6207      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.4  | 15.8 23.8 |
| 179         | 15.4  | 12.4 18.6 |

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#24

Anthracene

Concen: 0.353 ng

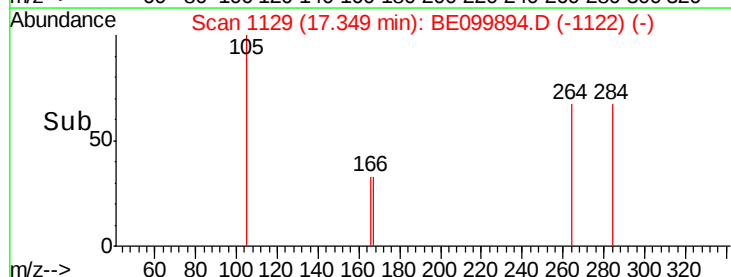
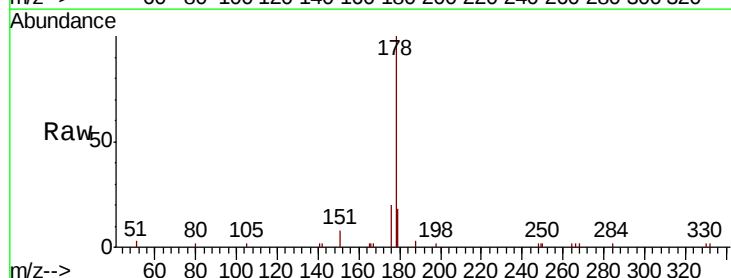
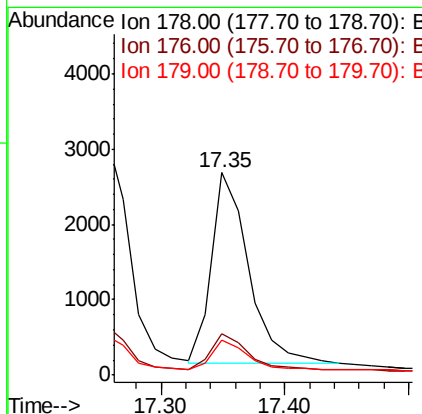
RT: 17.35 min Scan# 1129

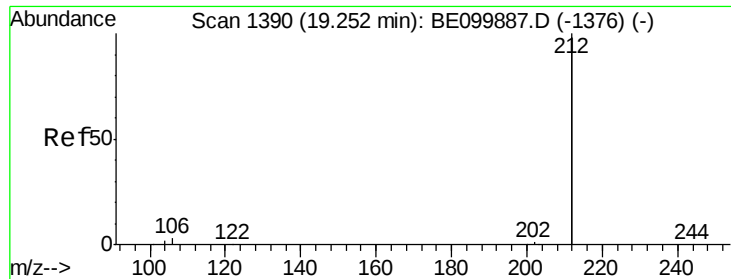
Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 5239      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.0  | 14.6 22.0 |
| 179         | 15.5  | 12.3 18.5 |





#25

Fluoranthene-d10

Concen: 0.372 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

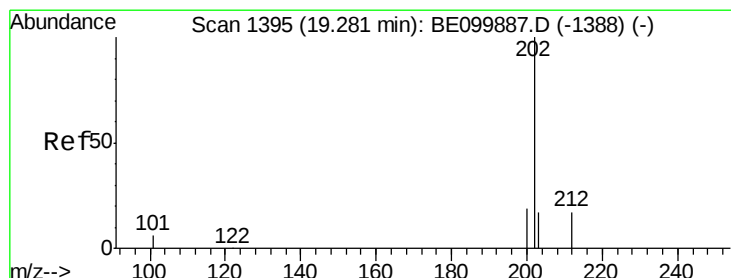
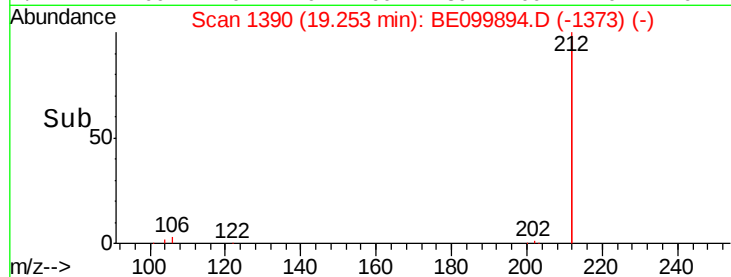
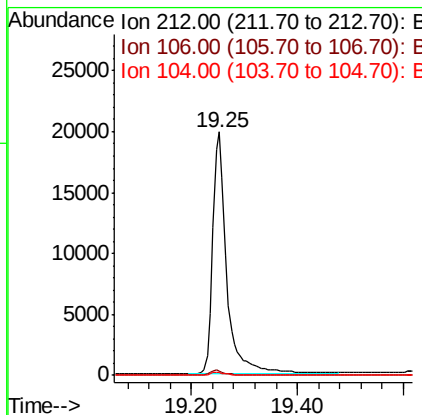
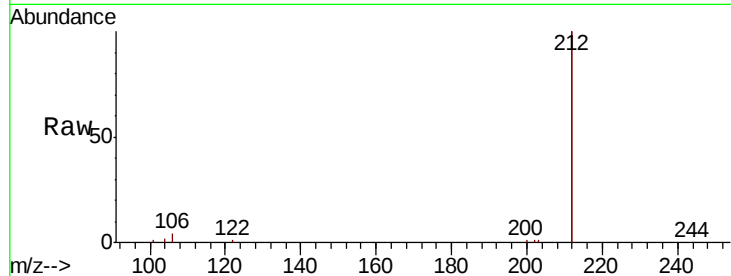
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 36209 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 1.8   | 1.4   | 2.2   |
| 104       | 1.0   | 0.9   | 1.3   |

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#26

Fluoranthene

Concen: 0.376 ng

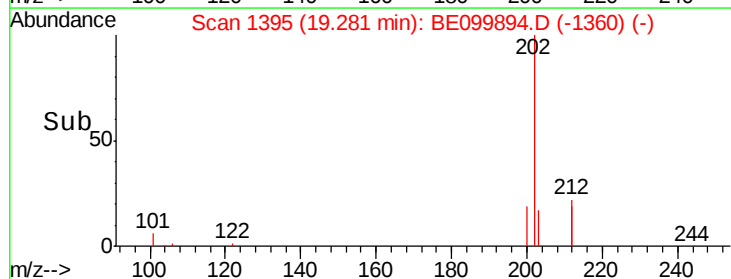
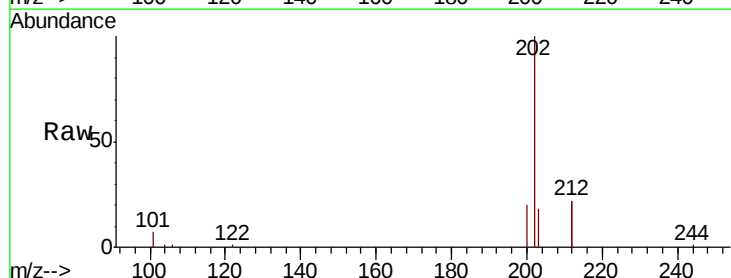
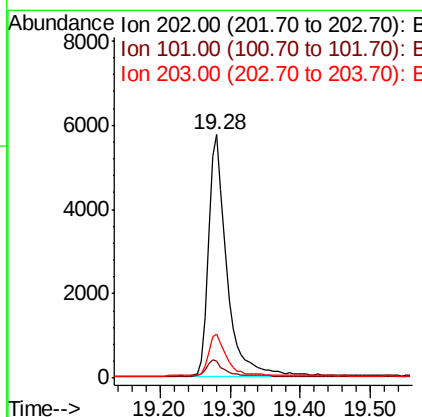
RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 10340 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.5   | 5.4   | 8.0   |
| 203       | 16.9  | 13.2  | 19.8  |





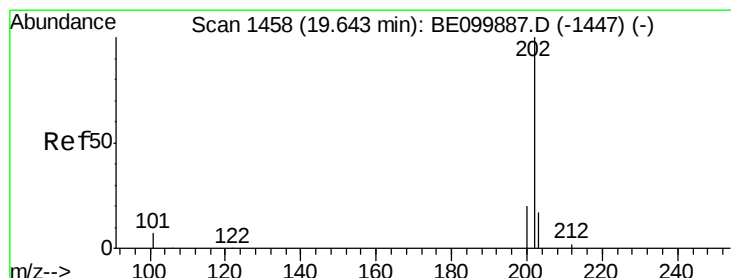
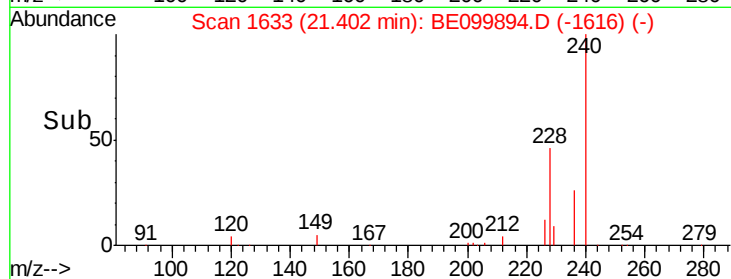
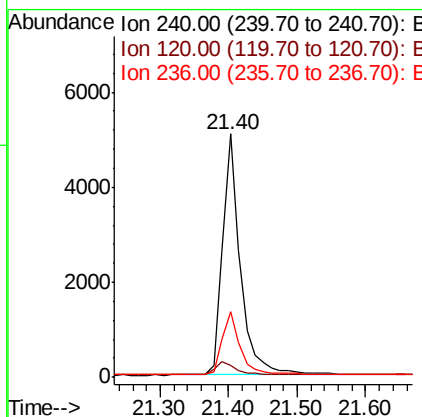
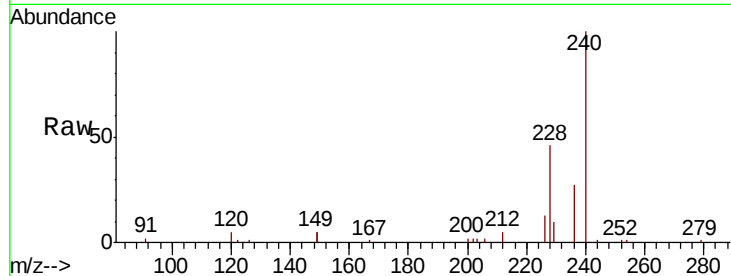
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.40 min Scan# 1633  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.8   | 3.8   | 5.6   |
| 236     | 27.1  | 22.0  | 33.0  |

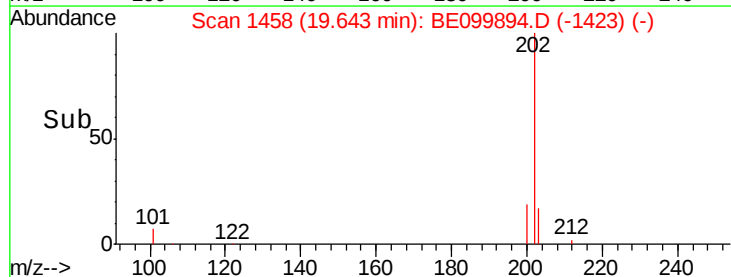
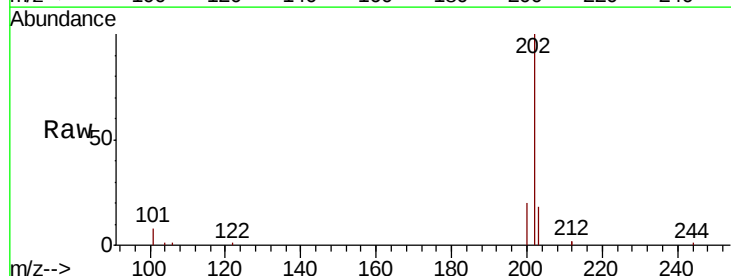
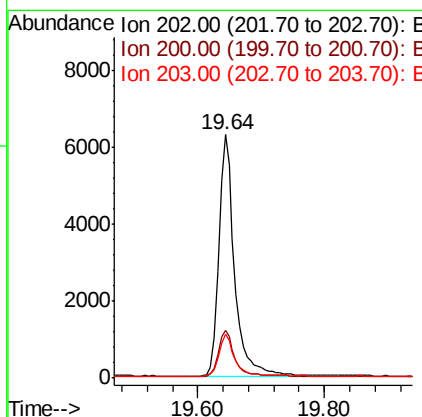
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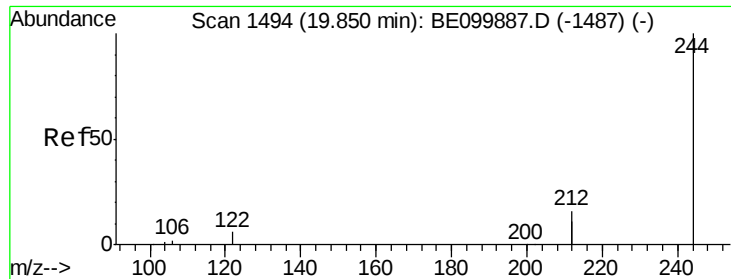
mohammad  
6/14/2019 8:39:10 AM



#28  
Pyrene  
Concen: 0.444 ng  
RT: 19.64 min Scan# 1458  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.4  | 15.5  | 23.3  |
| 203     | 17.2  | 14.0  | 21.0  |





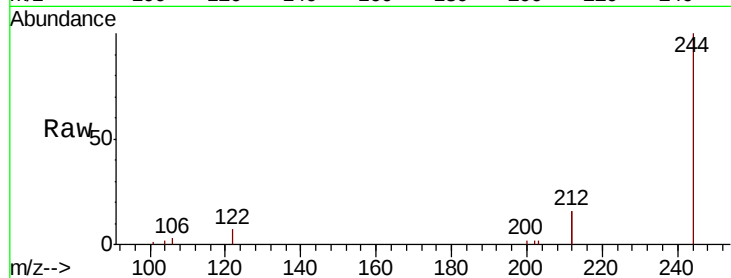
#29  
 Terphenyl-d14  
 Concen: 0.429 ng  
 RT: 19.85 min Scan# 1494  
 Delta R.T. 0.00 min  
 Lab File: BE099894.D  
 Acq: 10 Jun 2019 17:26

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

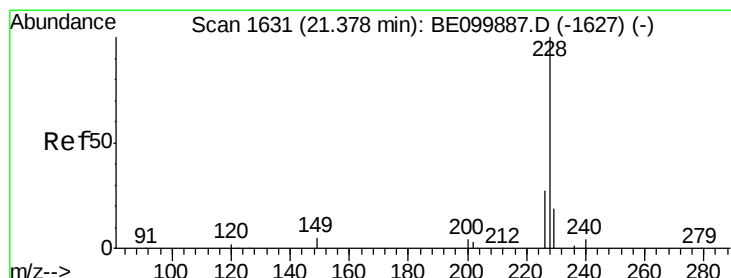
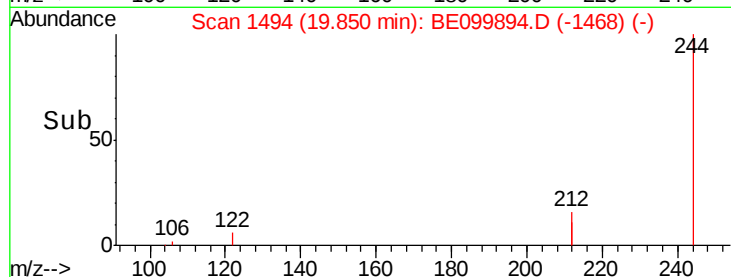
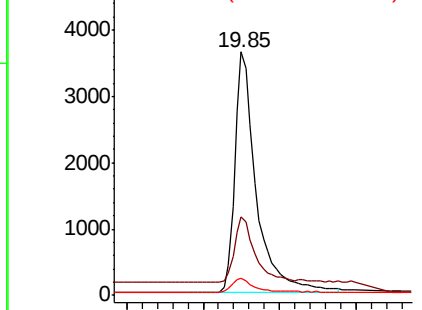
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 32.2  | 25.7  | 38.5  |
| 122     | 7.2   | 5.5   | 8.3   |

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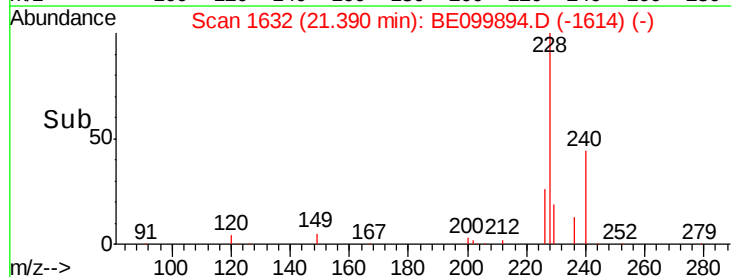
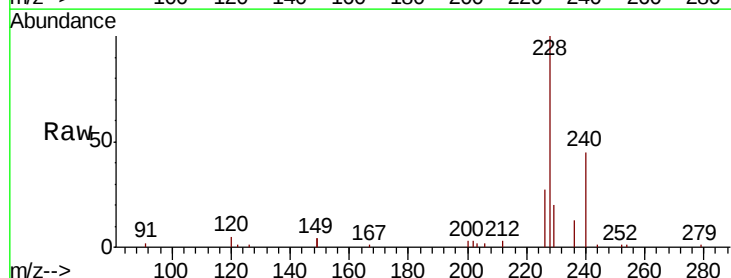
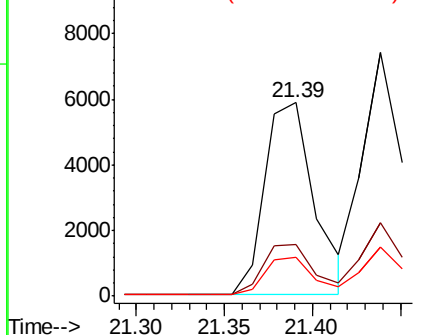
Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

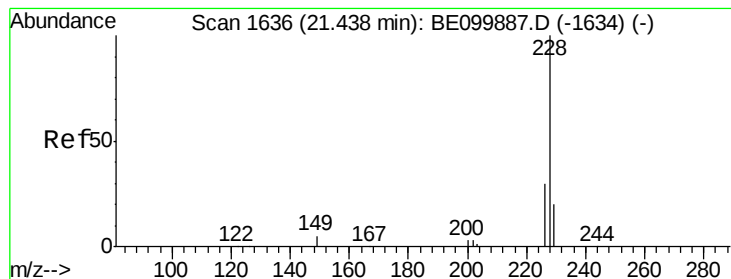


#30  
 Benzo(a)anthracene  
 Concen: 0.417 ng  
 RT: 21.39 min Scan# 1632  
 Delta R.T. 0.01 min  
 Lab File: BE099894.D  
 Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.6  | 22.5  | 33.7  |
| 229     | 20.1  | 15.9  | 23.9  |

Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.438 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

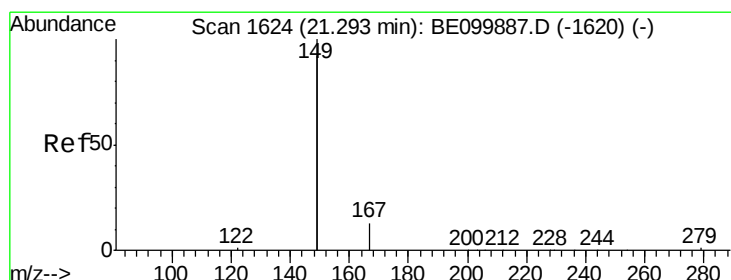
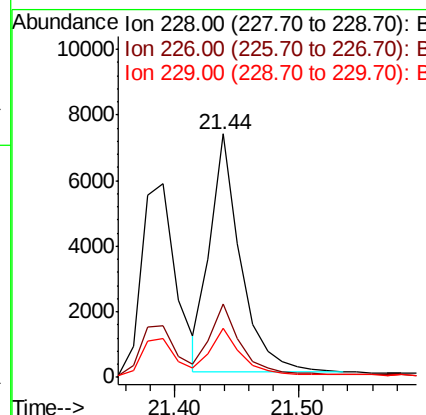
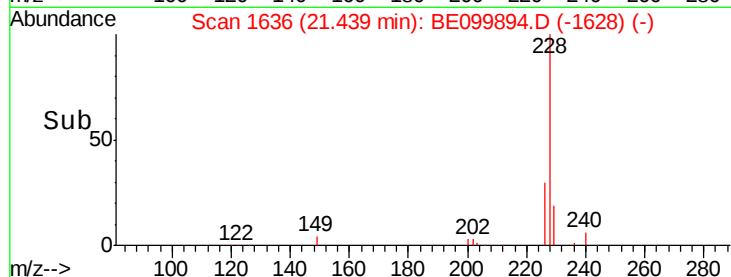
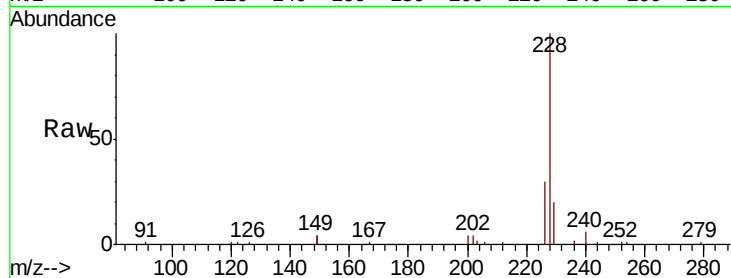
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 12462 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.3  | 24.1  | 36.1  |
| 229       | 19.9  | 16.1  | 24.1  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.376 ng

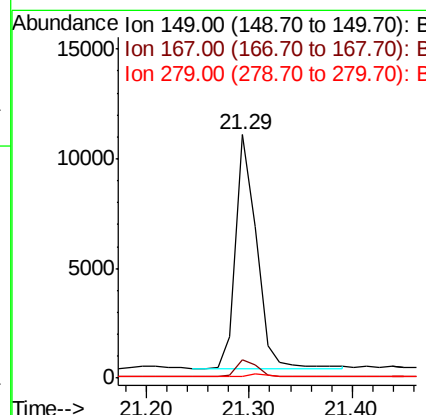
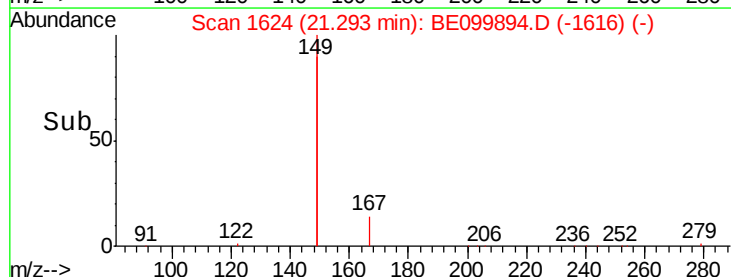
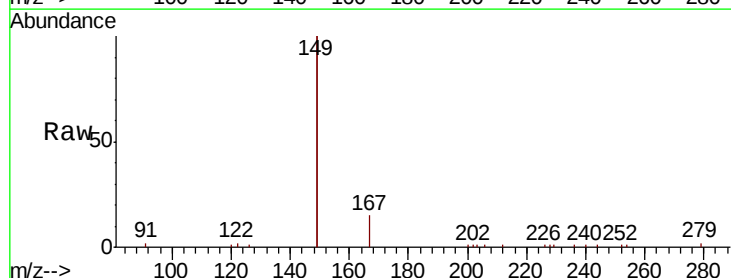
RT: 21.29 min Scan# 1624

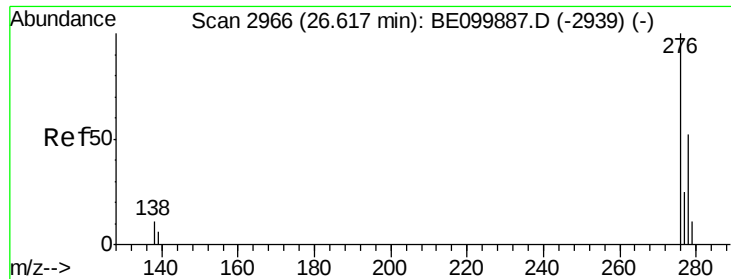
Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 14871 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.4   | 5.9   | 8.9   |
| 279       | 1.5   | 1.2   | 1.8   |





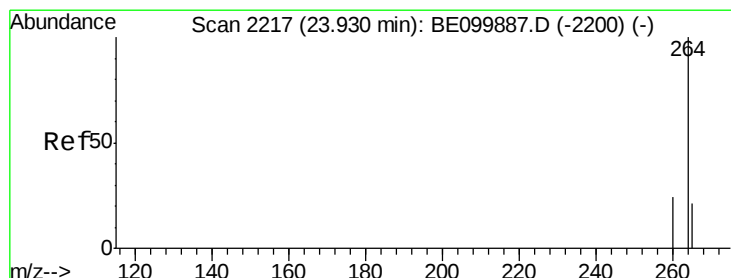
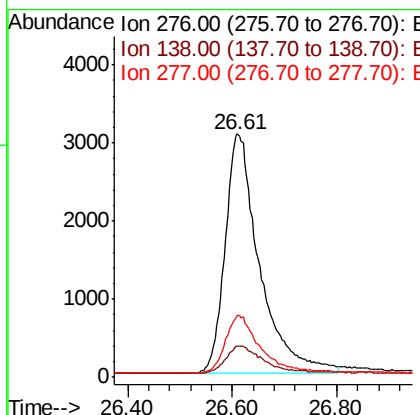
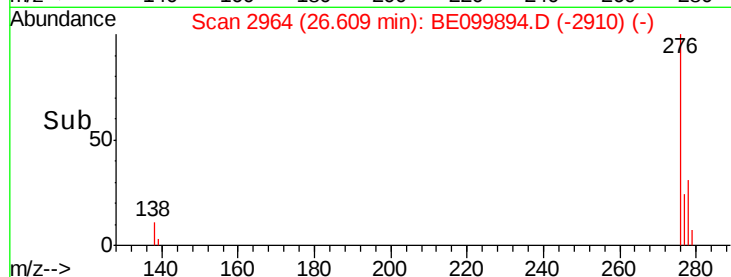
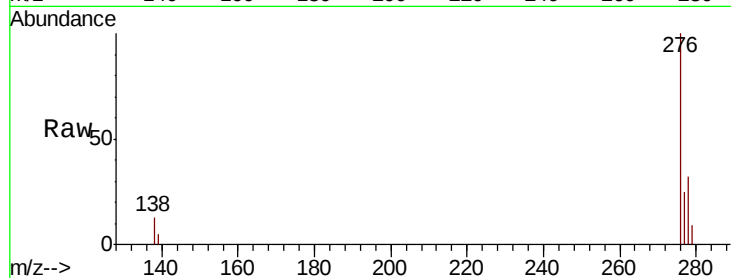
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.416 ng  
RT: 26.61 min Scan# 2964  
Delta R.T. -0.01 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 12.5  | 10.1  | 15.1  |
| 277     | 24.7  | 19.1  | 28.7  |

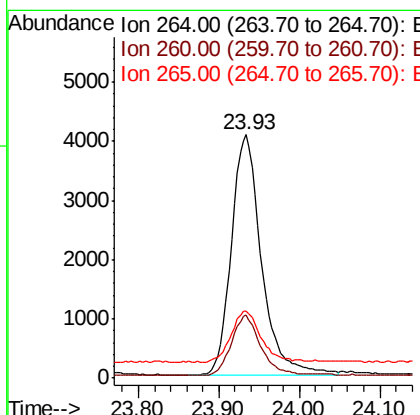
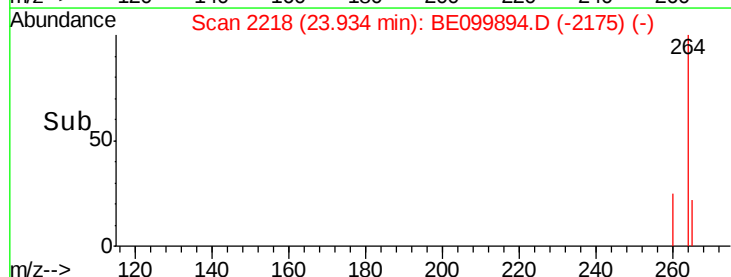
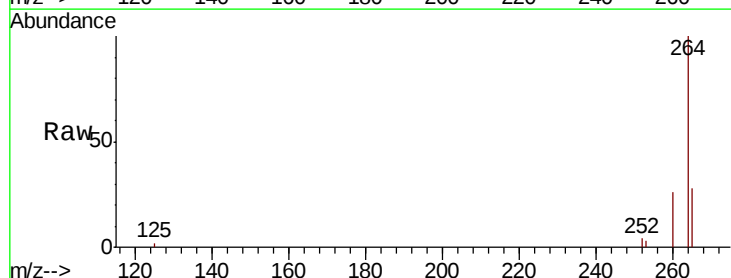
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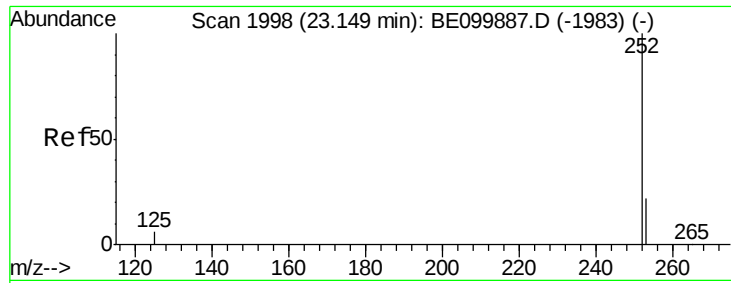
mohammad  
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.93 min Scan# 2218  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.9  | 20.2  | 30.2  |
| 265     | 27.7  | 22.0  | 33.0  |





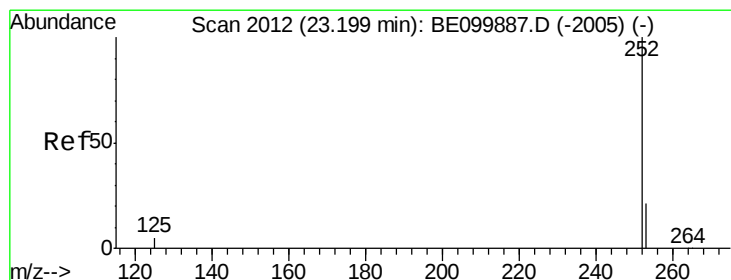
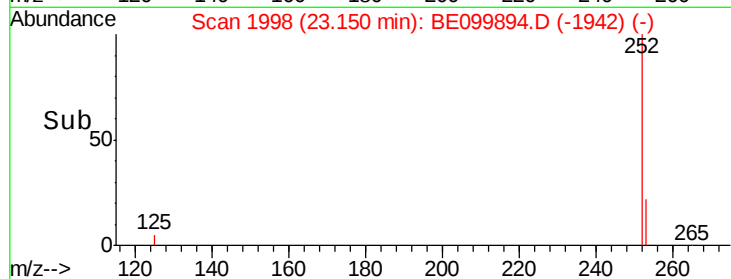
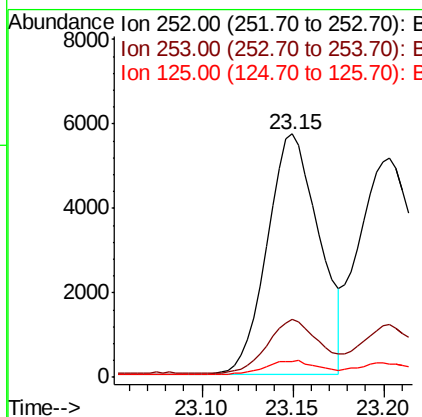
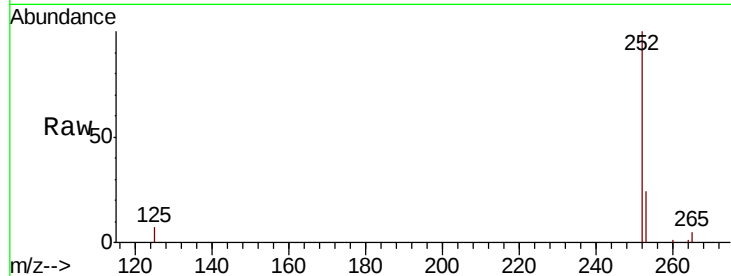
#35  
Benzo(b)fluoranthene  
Concen: 0.382 ng  
RT: 23.15 min Scan# 1998  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.7  | 28.1  |
| 125     | 6.6   | 5.7   | 8.5   |

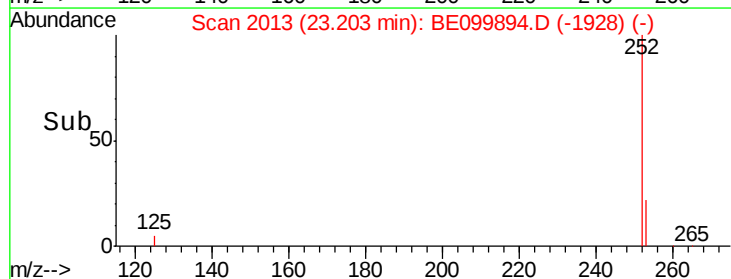
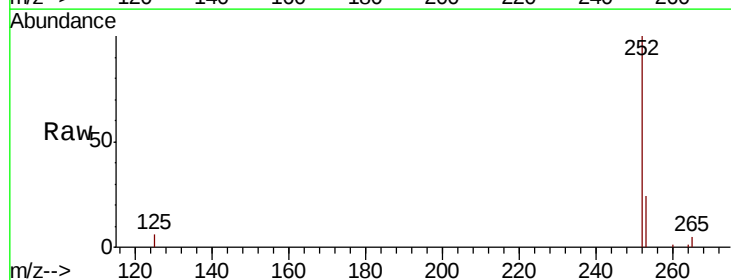
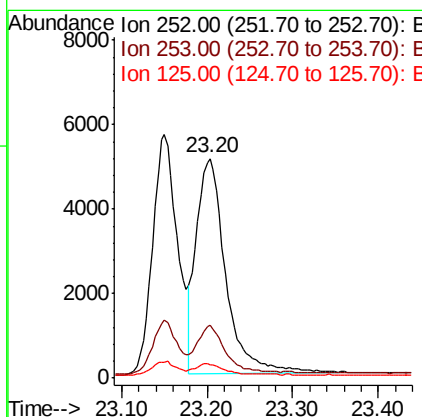
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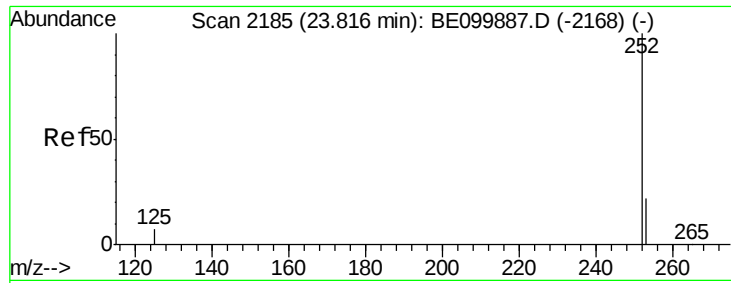
mohammad  
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#36  
Benzo(k)fluoranthene  
Concen: 0.392 ng  
RT: 23.20 min Scan# 2013  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.6  | 28.0  |
| 125     | 6.2   | 5.4   | 8.0   |





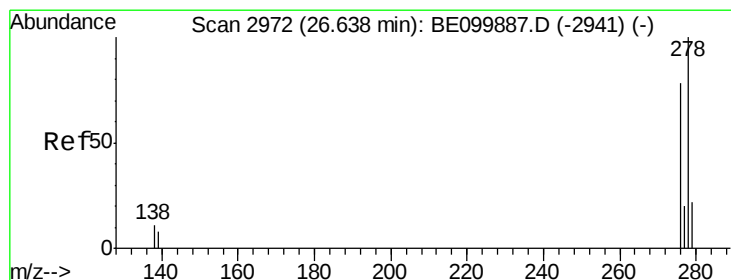
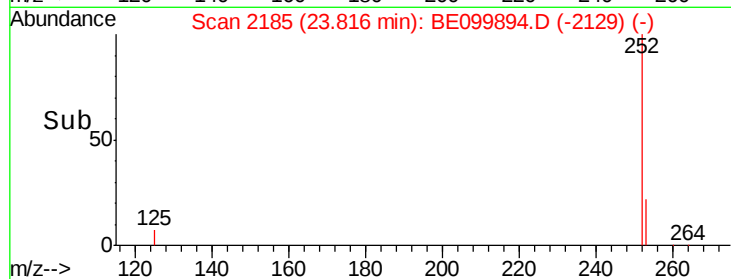
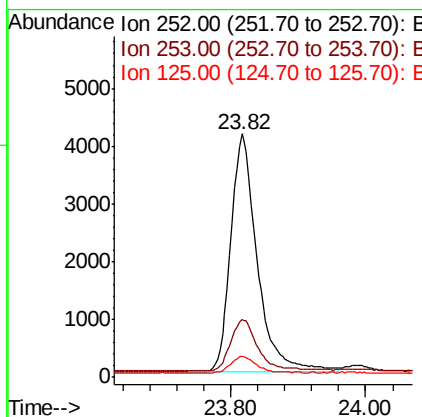
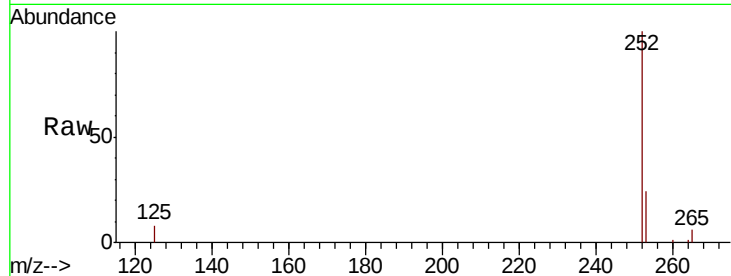
#37  
Benzo(a)pyrene  
Concen: 0.390 ng  
RT: 23.82 min Scan# 2185  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 19.6  | 29.4  |
| 125     | 8.4   | 6.6   | 10.0  |

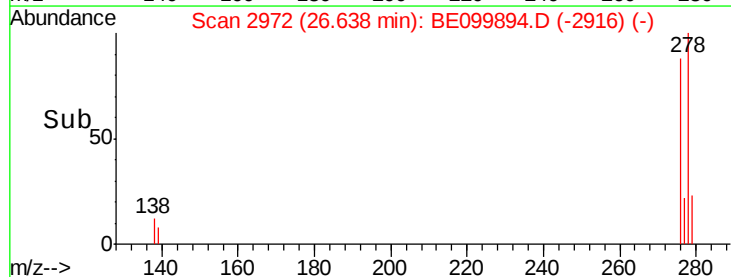
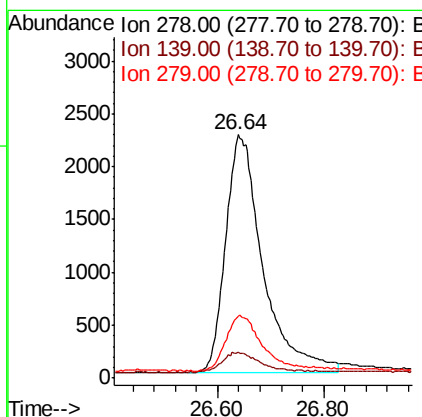
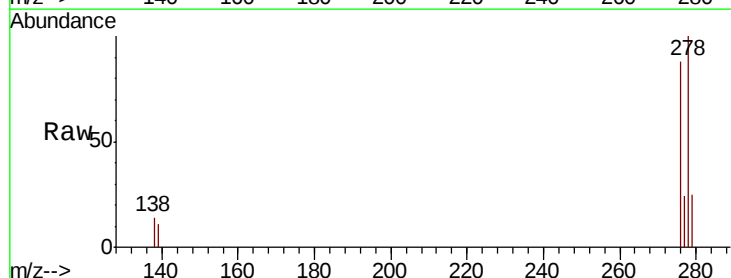
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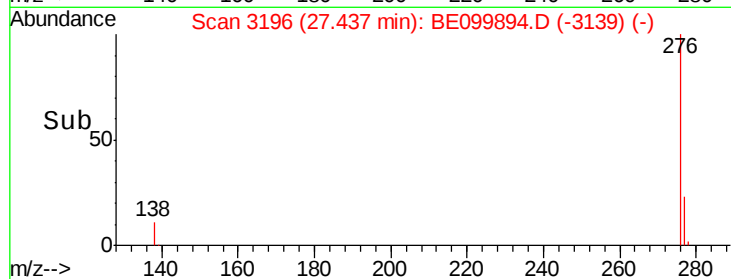
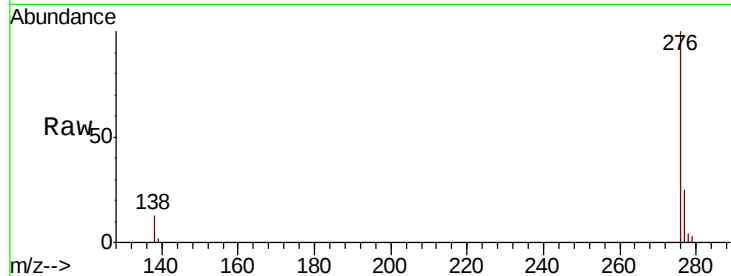
mohammad  
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.380 ng  
RT: 26.64 min Scan# 2972  
Delta R.T. 0.00 min  
Lab File: BE099894.D  
Acq: 10 Jun 2019 17:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.7  | 7.8   | 11.8  |
| 279     | 25.3  | 20.0  | 30.0  |





#39

Benzo(a,h,i)perylene

Concen: 0.398 ng

RT: 27.44 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BE099894.D

Acq: 10 Jun 2019 17:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 12024 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.8  | 19.5  | 29.3  |
| 138       | 12.9  | 9.5   | 14.3  |

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