

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\  
 Data File : BE099388.D  
 Acq On : 26 Apr 2019 21:43  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

Sohil  
 4/29/2019 1:30:54 PM

Quant Time: Apr 27 06:54:52 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 3828     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 15555    | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 10749    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 27368    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 33987    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.87 | 264  | 35035    | 0.40 | ng    | 0.01     |

#### System Monitoring Compounds

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| 4) 2-Fluorophenol           | 5.40  | 112 | 4568   | 0.49 | ng | 0.01 |
| 5) Phenol-d6                | 6.97  | 99  | 6615   | 0.50 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 5943   | 0.49 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 11117  | 0.40 | ng | 0.01 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 2331   | 0.65 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 17057  | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 136678 | 0.42 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.82 | 244 | 27513  | 0.41 | ng | 0.00 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 1716   | 0.320 | ng | # 94   |
| 3) n-Nitrosodimethylamine      | 3.65  | 42  | 1129   | 0.391 | ng | # 83   |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 4970   | 0.399 | ng | 95     |
| 9) Naphthalene                 | 10.65 | 128 | 73099  | 0.431 | ng | 100    |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 4761   | 0.442 | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 12451  | 0.431 | ng | 96     |
| 16) Acenaphthylene             | 14.18 | 152 | 21048  | 0.433 | ng | 100    |
| 17) Acenaphthene               | 14.53 | 154 | 11938  | 0.399 | ng | 97     |
| 18) Fluorene                   | 15.49 | 166 | 16624  | 0.386 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.39 | 248 | 6762   | 0.446 | ng | 95     |
| 21) Hexachlorobenzene          | 16.49 | 284 | 6331   | 0.434 | ng | 98     |
| 22) Pentachlorophenol          | 16.84 | 266 | 2782   | 0.693 | ng | 96     |
| 23) Phenanthrene               | 17.23 | 178 | 28987  | 0.400 | ng | 99     |
| 24) Anthracene                 | 17.32 | 178 | 27902  | 0.433 | ng | 100    |
| 26) Fluoranthene               | 19.25 | 202 | 39349  | 0.406 | ng | 98     |
| 28) Pyrene                     | 19.61 | 202 | 40638  | 0.406 | ng | 99     |
| 30) Benzo(a)anthracene         | 21.35 | 228 | 44729  | 0.448 | ng | 98     |
| 31) Chrysene                   | 21.40 | 228 | 42541  | 0.400 | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 78303  | 0.861 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.52 | 276 | 43640  | 0.416 | ng | 97     |
| 35) Benzo(b)fluoranthene       | 23.10 | 252 | 41904m | 0.391 | ng |        |
| 36) Benzo(k)fluoranthene       | 23.15 | 252 | 41321  | 0.386 | ng | 99     |
| 37) Benzo(a)pyrene             | 23.76 | 252 | 39441  | 0.410 | ng | # 91   |
| 38) Dibenzo(a,h)anthracene     | 26.54 | 278 | 36165  | 0.368 | ng | # 96   |
| 39) Benzo(g,h,i)perylene       | 27.34 | 276 | 30921  | 0.310 | ng | 98     |

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

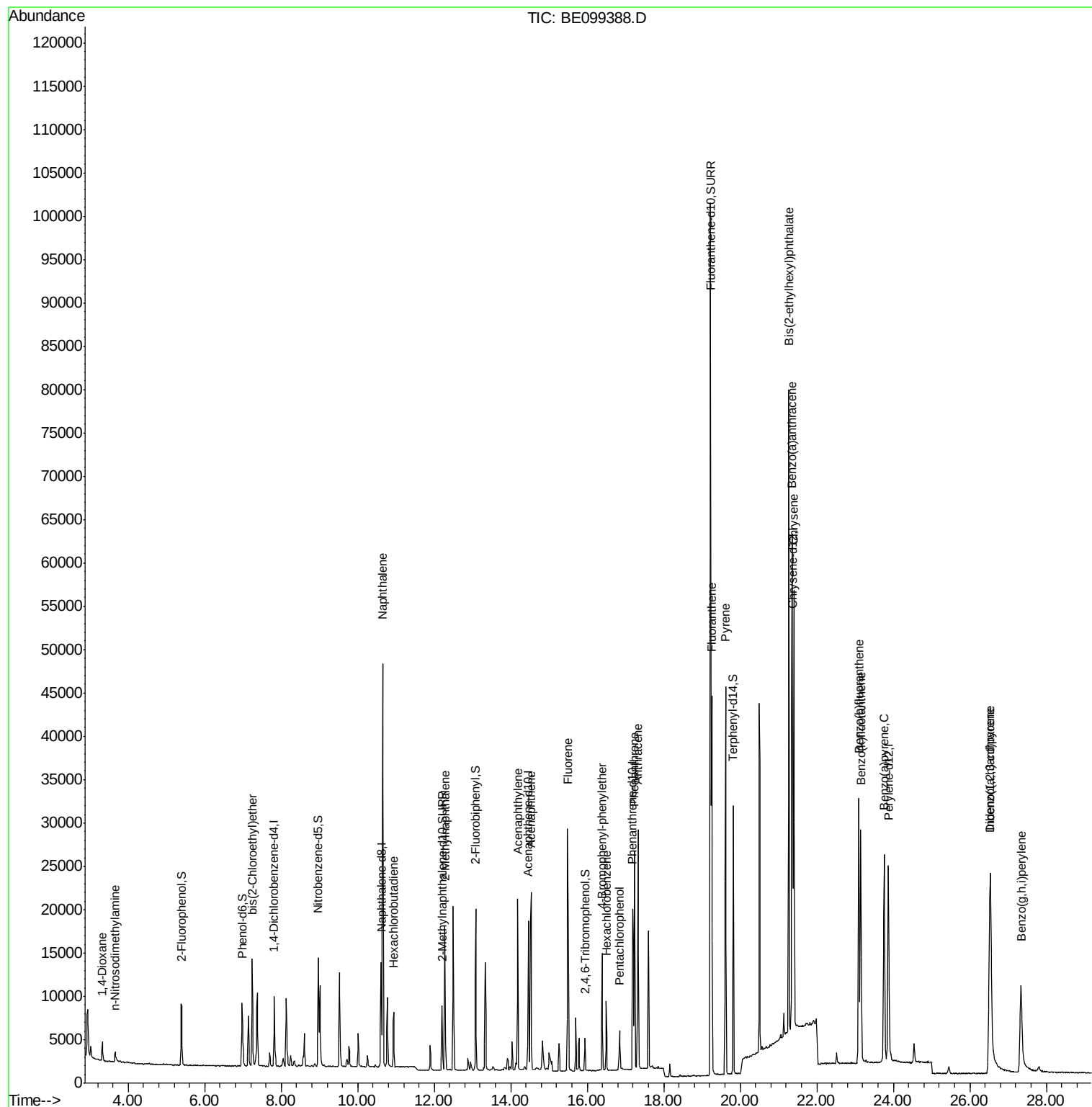
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\  
Data File : BE099388.D  
Acq On : 26 Apr 2019 21:43  
Operator : JU/SJ  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

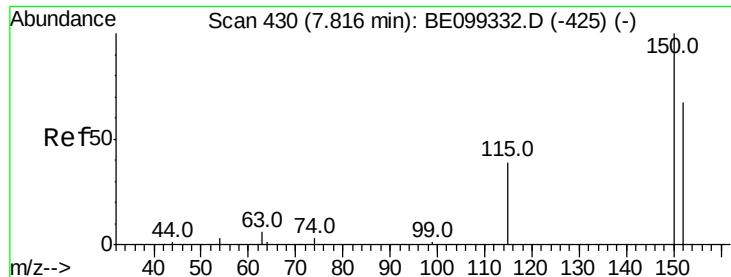
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

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Quant Time: Apr 27 06:54:52 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 19 06:51:38 2019  
Response via : Initial Calibration





#1

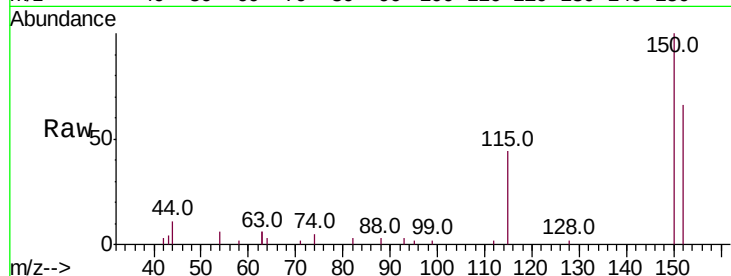
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.7 | 119.5 | 179.3 |
| 115     | 66.6  | 47.5  | 71.3  |

Manual Integrations  
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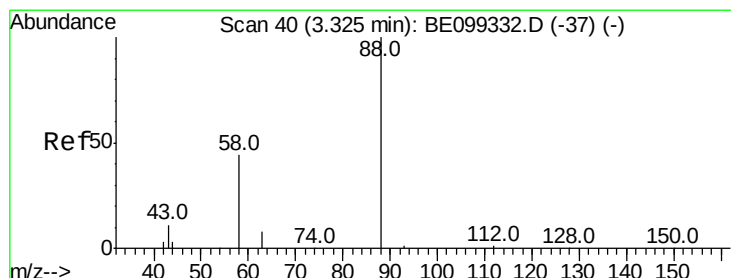
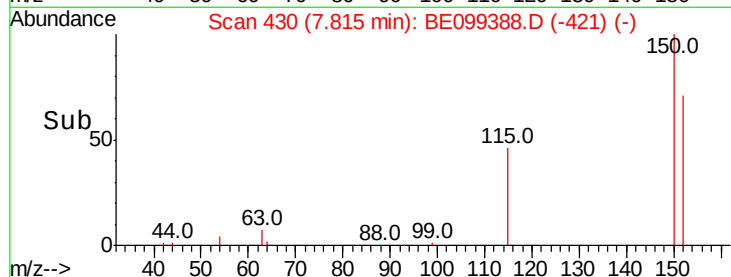
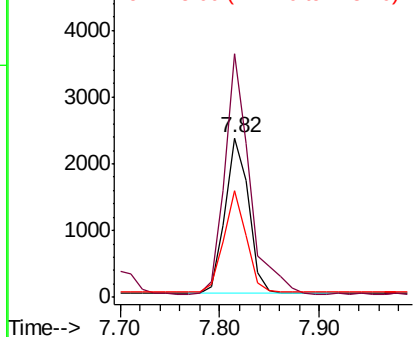


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

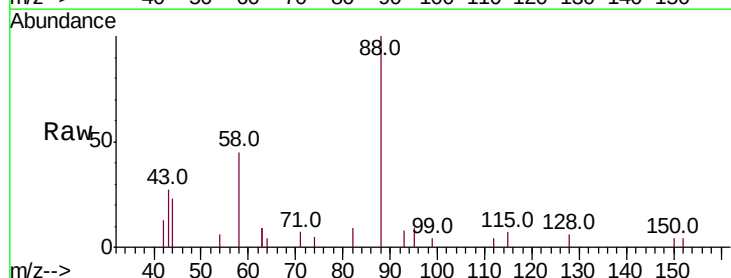
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.320 ng  
RT: 3.32 min Scan# 40  
Delta R.T. -0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 57.7  | 49.1  | 73.7  |
| 43      | 27.0  | 17.9  | 26.9  |

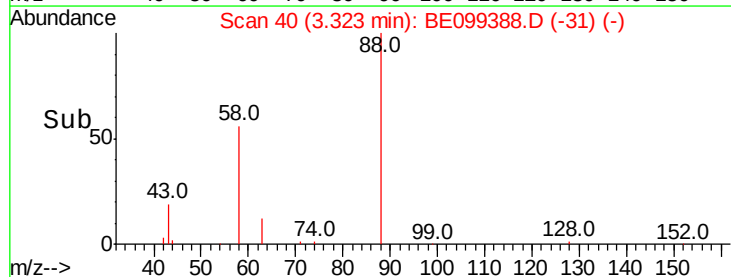
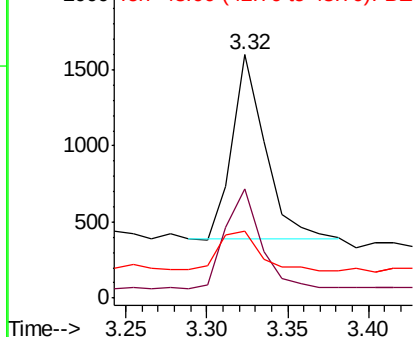


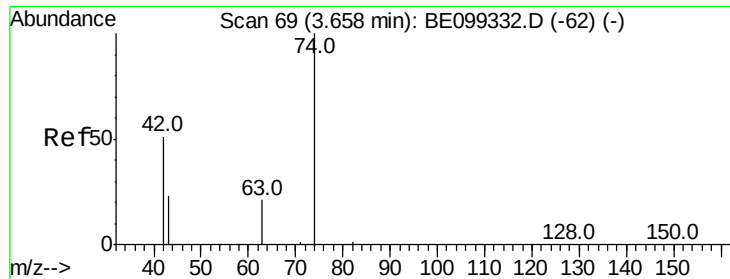
Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

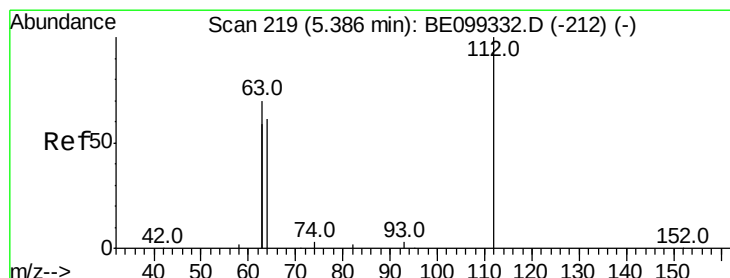
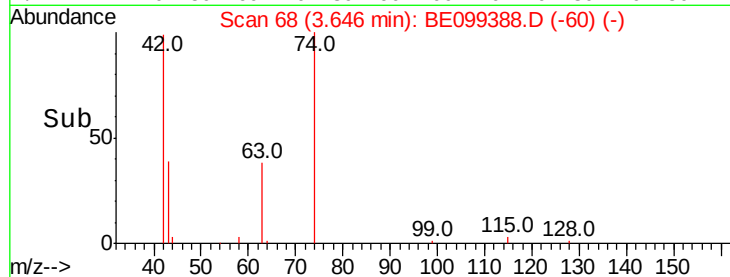
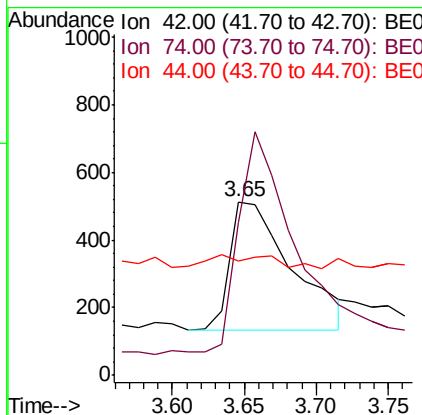
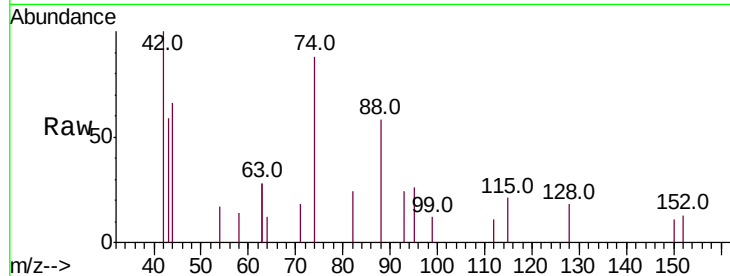
n-Nitrosodimethylamine  
 Concen: 0.391 ng  
 RT: 3.65 min Scan# 68  
 Delta R.T. -0.01 min  
 Lab File: BE099388.D  
 Acq: 26 Apr 2019 21:43

Instrument :  
 BNA\_E  
 ClientSampled :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 159.0 | 145.8 | 218.8 |
| 44      | 0.0   | 9.0   | 13.4# |

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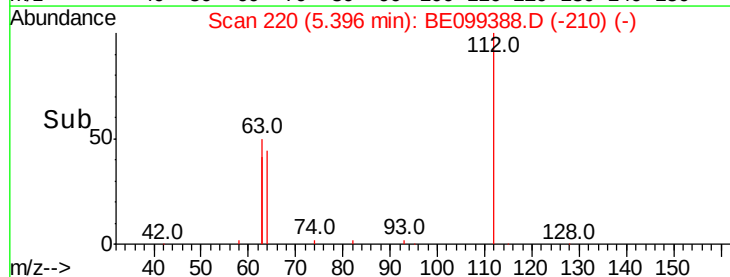
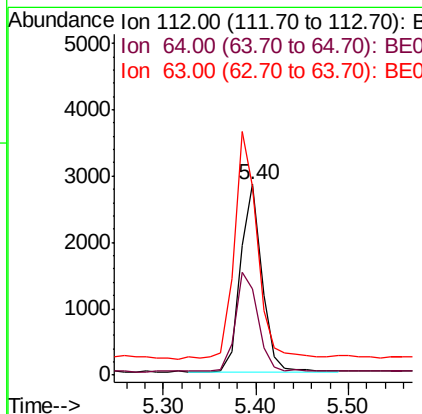
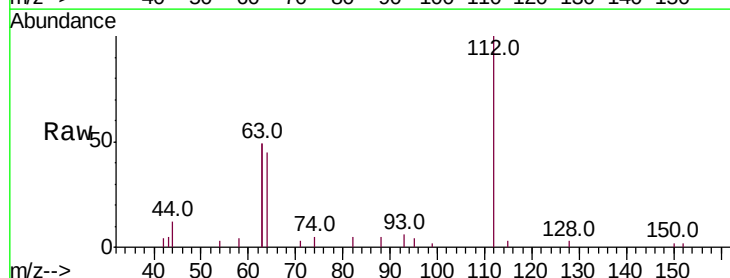
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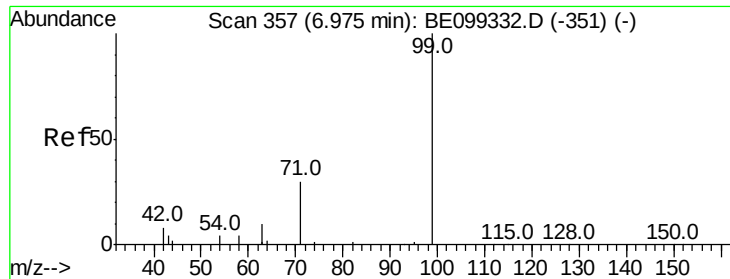


#4

2-Fluorophenol  
 Concen: 0.488 ng  
 RT: 5.40 min Scan# 220  
 Delta R.T. 0.01 min  
 Lab File: BE099388.D  
 Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.6  | 44.9  | 67.3  |
| 63      | 128.8 | 97.4  | 146.0 |





#5

Phenol-d6

Concen: 0.496 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

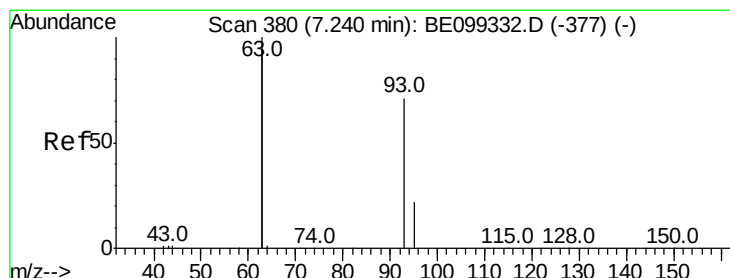
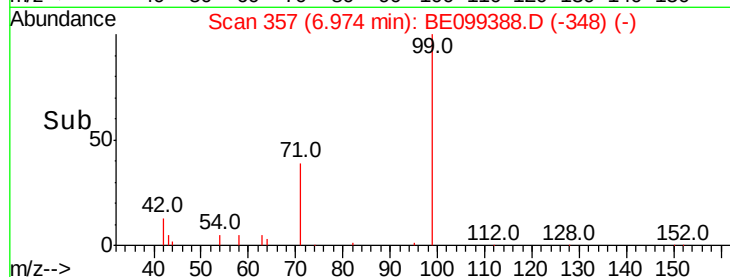
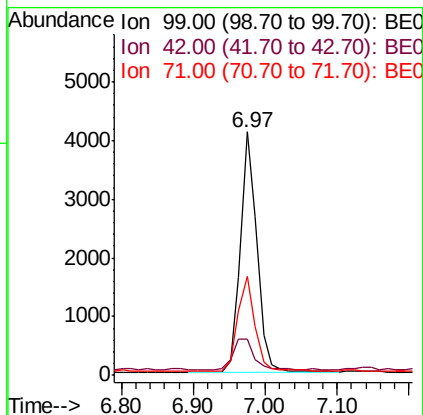
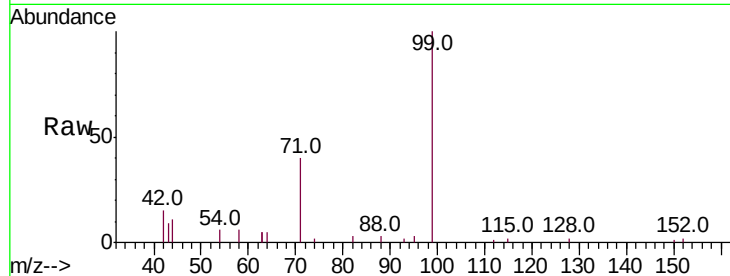
ClientSampled :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 6615  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 16.0  | 11.7  | 17.5  |
| 71       | 40.9  | 29.6  | 44.4  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.399 ng

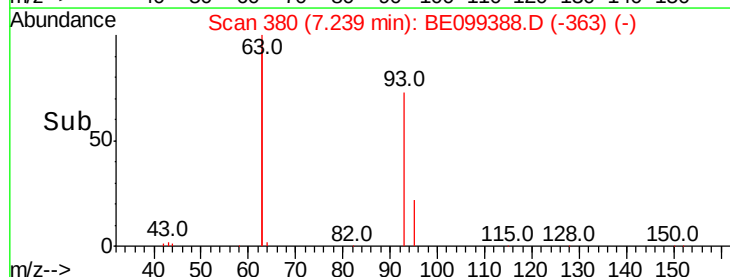
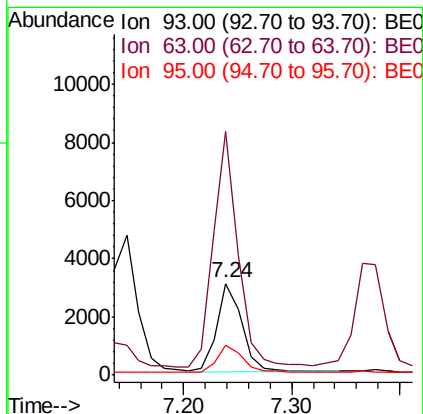
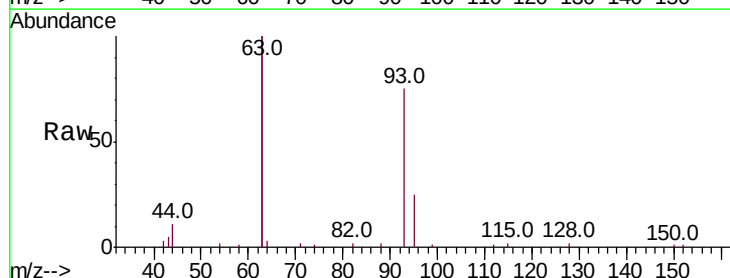
RT: 7.24 min Scan# 380

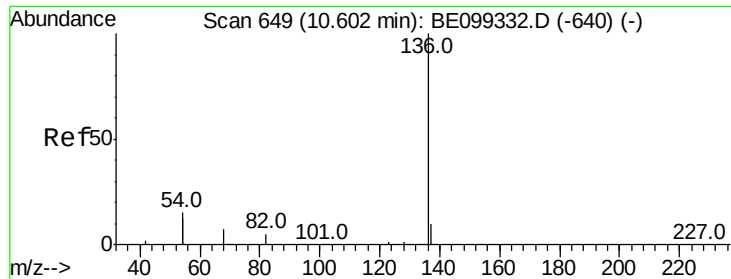
Delta R.T. -0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4970  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 260.3 | 216.6 | 324.8 |
| 95       | 32.4  | 25.8  | 38.6  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 15555

Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 13.9 23.8 35.8#

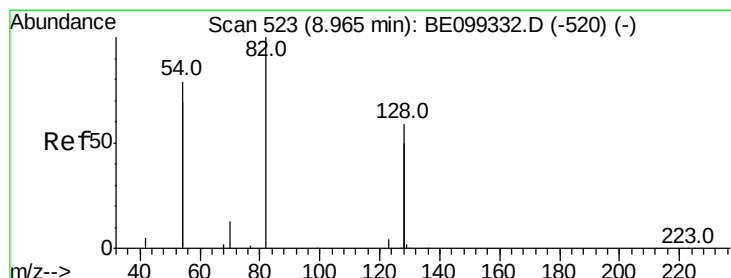
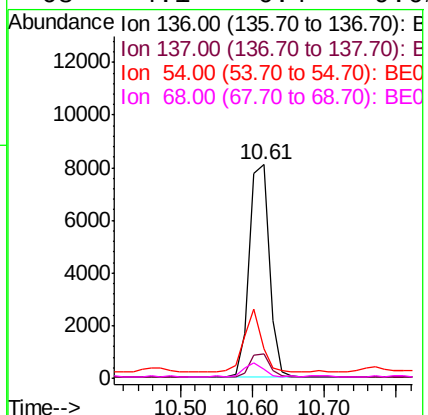
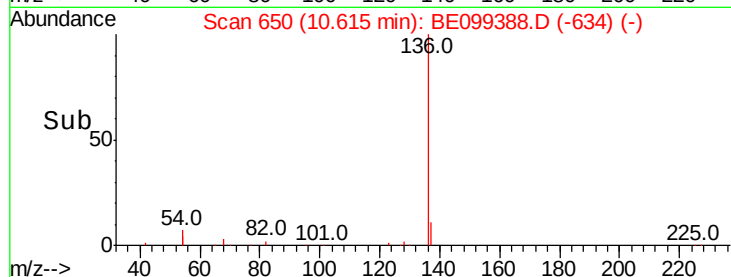
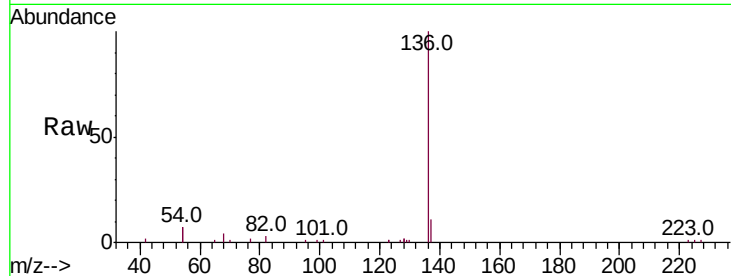
68 4.1 6.4 9.6#

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#8

Nitrobenzene-d5

Concen: 0.492 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

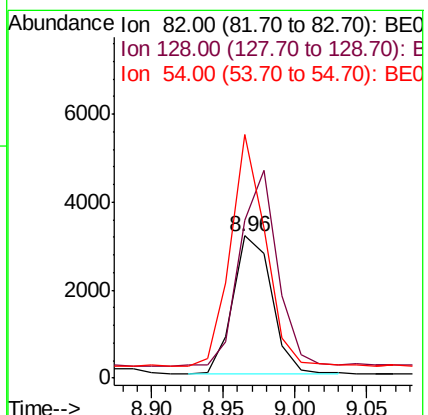
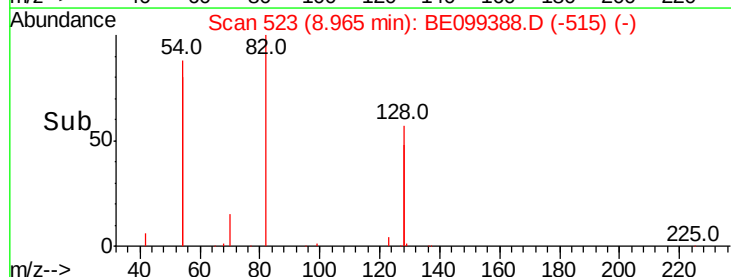
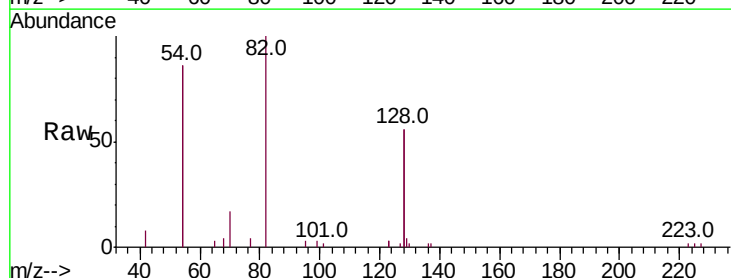
Tgt Ion: 82 Resp: 5943

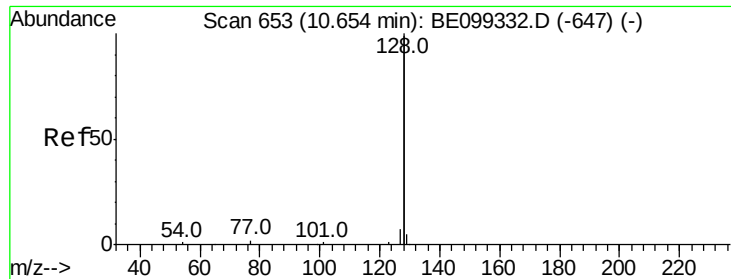
Ion Ratio Lower Upper

82 100

128 111.0 91.7 137.5

54 171.2 122.8 184.2





#9

Naphthalene

Concen: 0.431 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

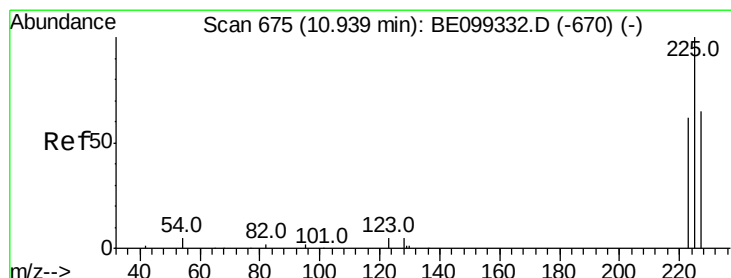
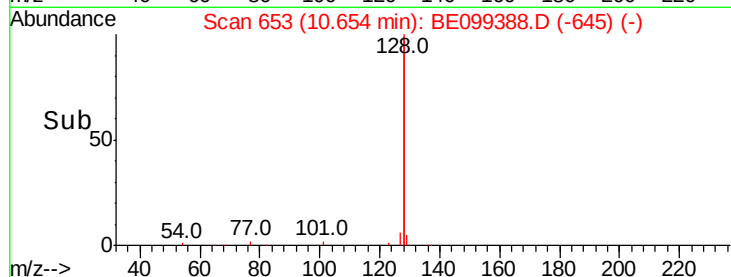
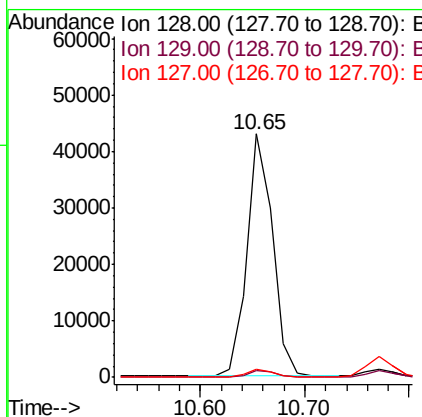
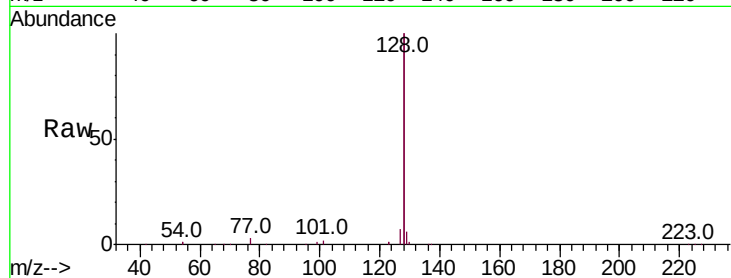
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 73099 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 2.9   | 2.3   | 3.5   |
| 127       | 3.4   | 2.8   | 4.2   |

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#10

Hexachlorobutadiene

Concen: 0.442 ng

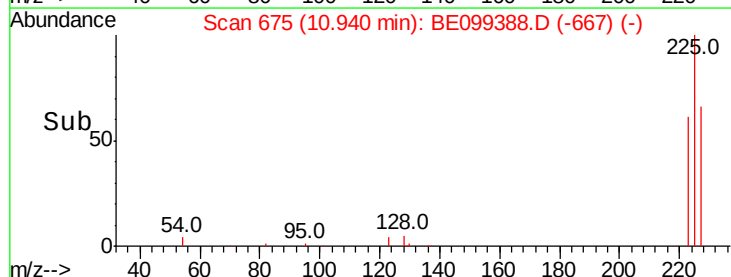
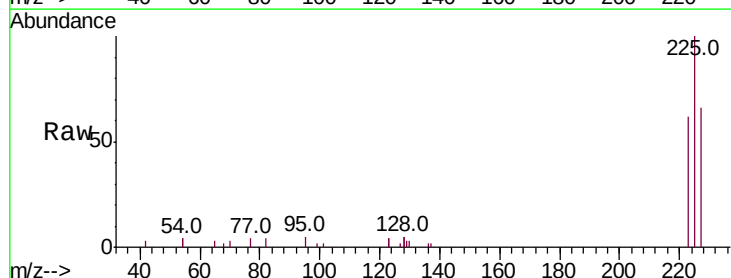
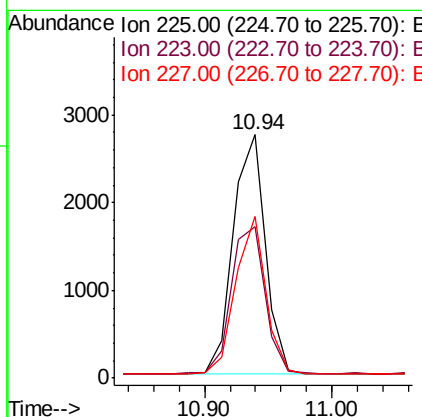
RT: 10.94 min Scan# 675

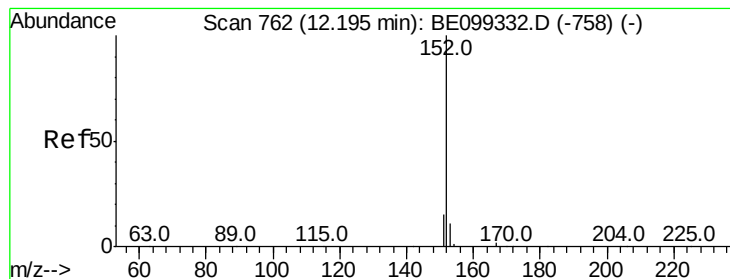
Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4761 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 64.1  | 50.3  | 75.5 |
| 227       | 61.4  | 49.4  | 74.0 |





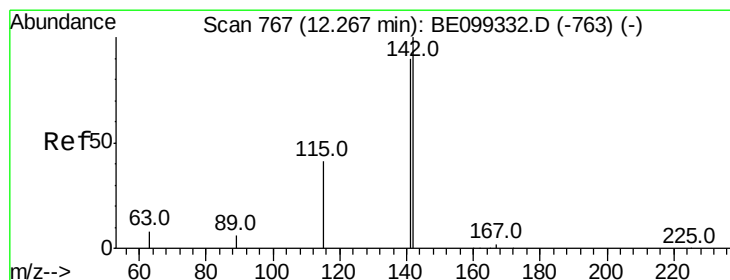
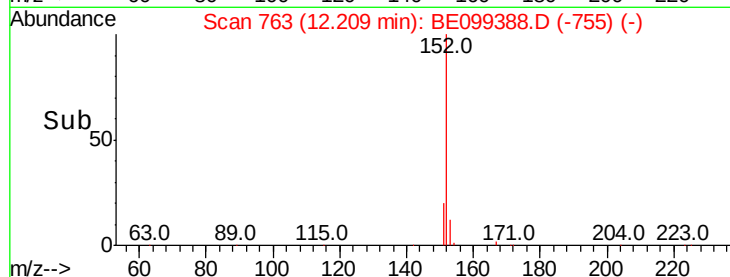
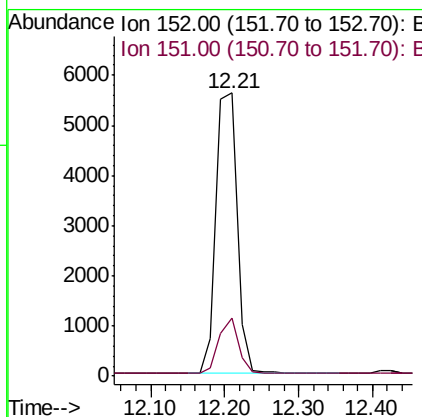
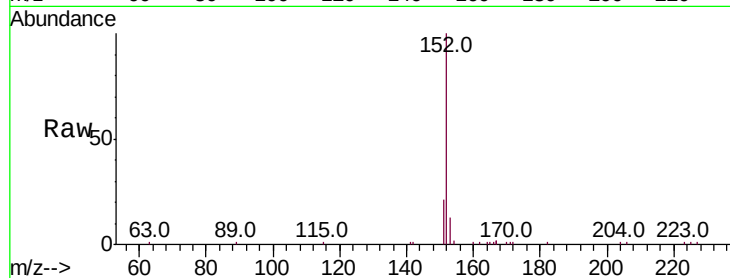
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.405 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. 0.01 min  
 Lab File: BE099388.D  
 Acq: 26 Apr 2019 21:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.8  | 14.9  | 22.3  |

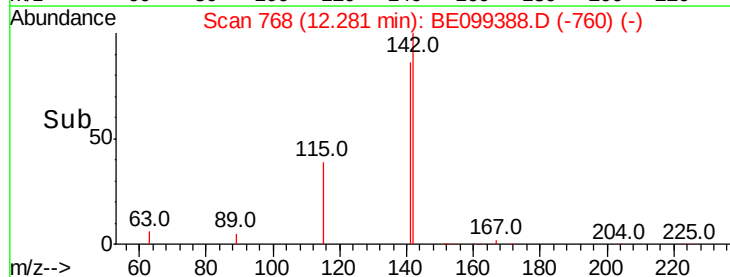
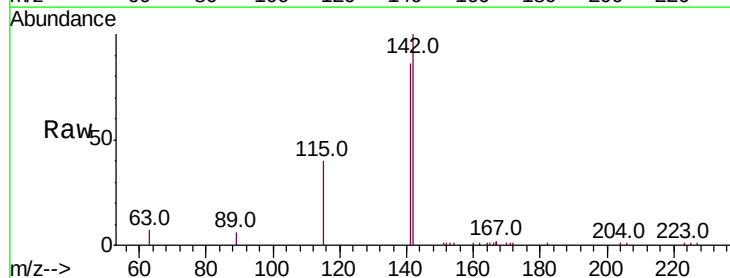
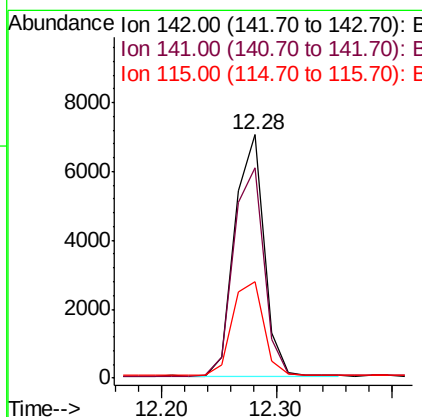
Manual Integrations  
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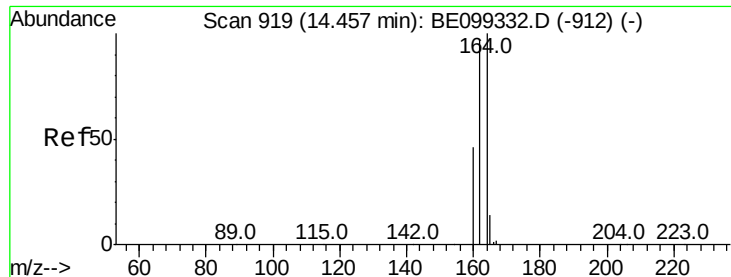


#12  
 2-Methylnaphthalene  
 Concen: 0.431 ng  
 RT: 12.28 min Scan# 768  
 Delta R.T. 0.01 min  
 Lab File: BE099388.D  
 Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.4  | 72.0  | 108.0 |
| 115     | 39.8  | 33.4  | 50.0  |







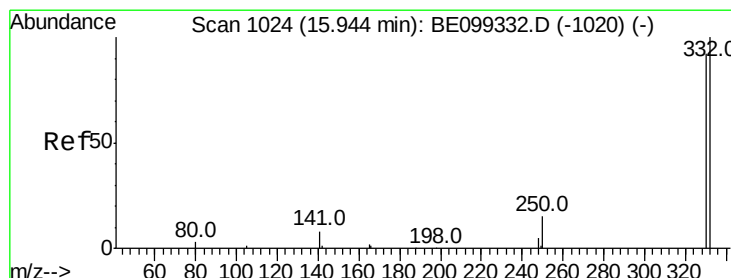
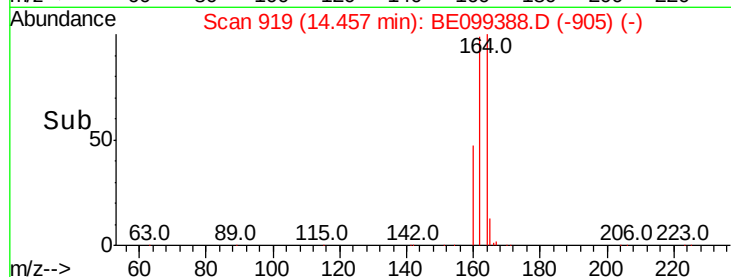
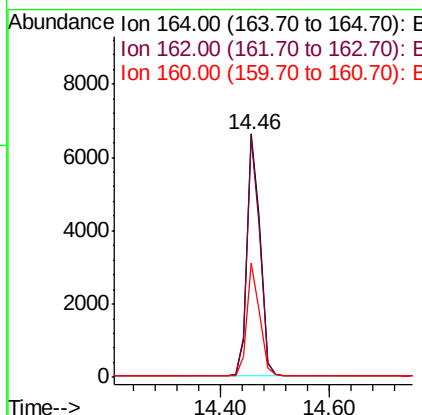
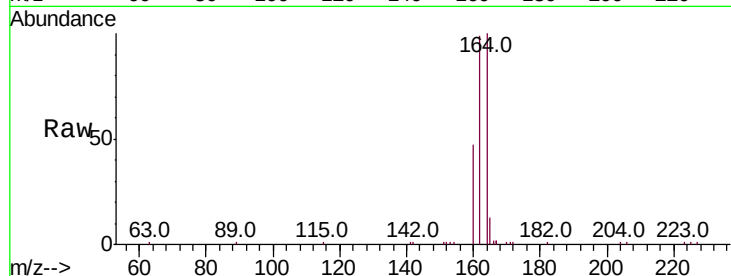
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.46 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.7  | 77.8  | 116.6 |
| 160     | 47.2  | 37.1  | 55.7  |

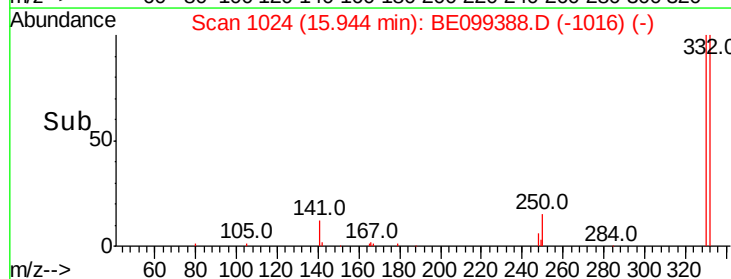
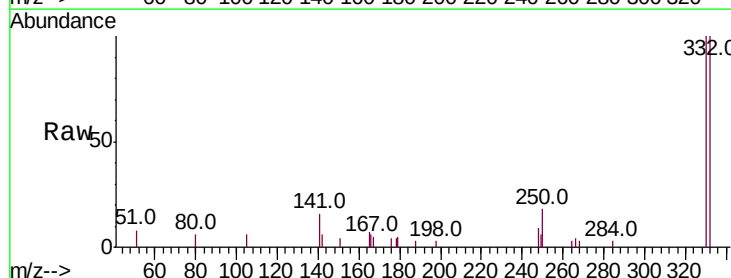
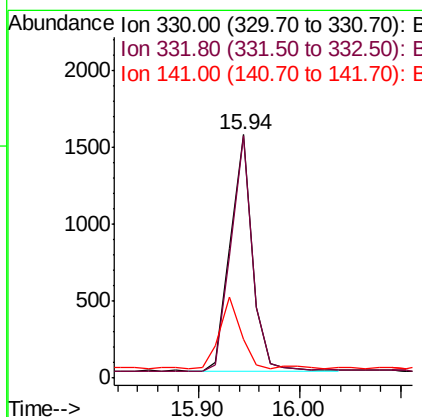
Manual Integrations  
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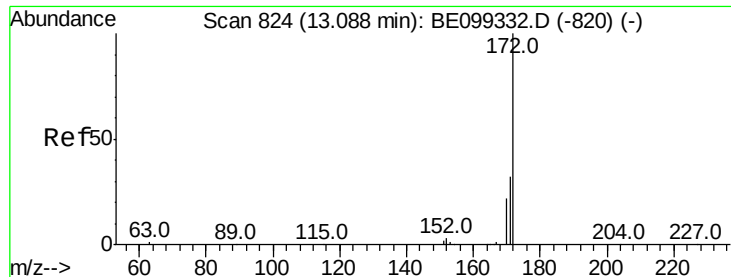
Sohil  
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#14  
2,4,6-Tribromophenol  
Concen: 0.653 ng  
RT: 15.94 min Scan# 1024  
Delta R.T. 0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 82.5  | 123.7 |
| 141     | 29.2  | 24.9  | 37.3  |





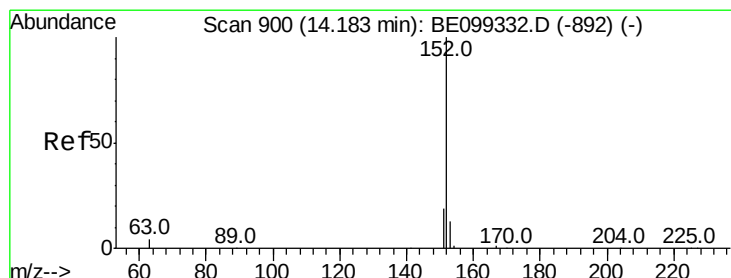
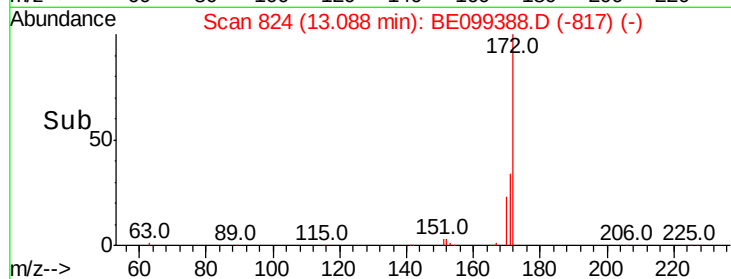
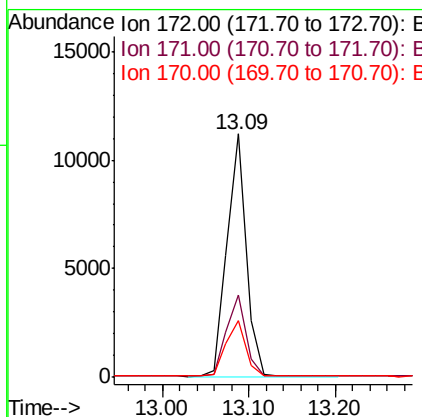
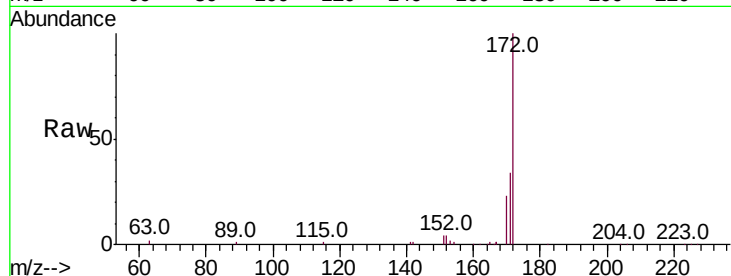
#15  
2-Fluorobiphenyl  
Concen: 0.404 ng  
RT: 13.09 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.1  | 26.2  | 39.2  |
| 170     | 23.2  | 18.1  | 27.1  |

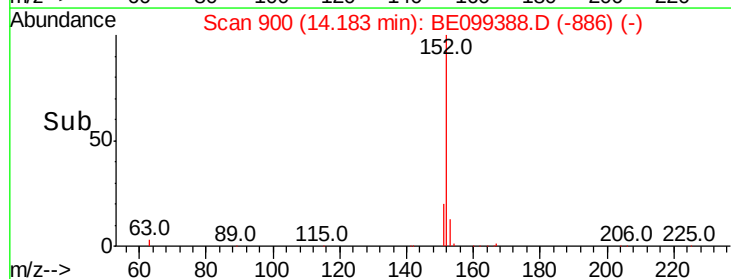
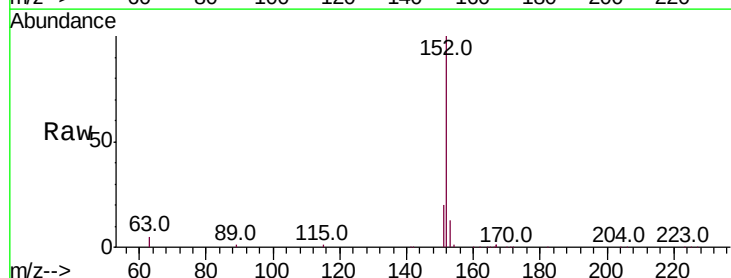
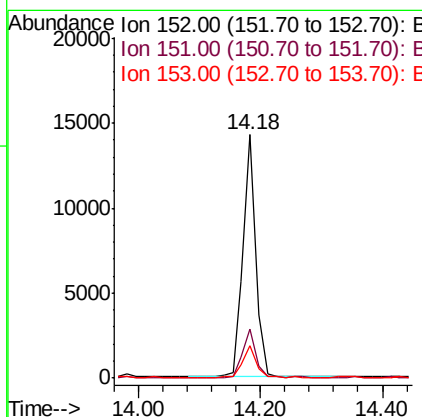
Manual Integrations  
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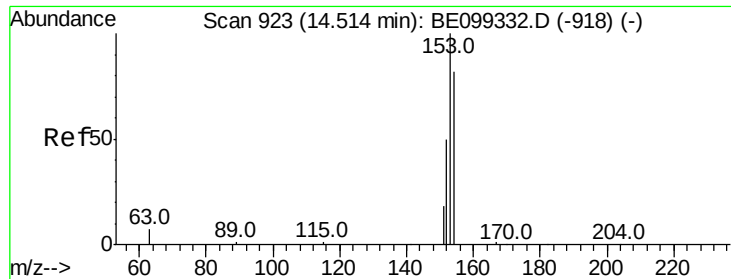
Sohil  
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#16  
Acenaphthylene  
Concen: 0.433 ng  
RT: 14.18 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 15.5  | 23.3  |
| 153     | 12.9  | 10.2  | 15.4  |





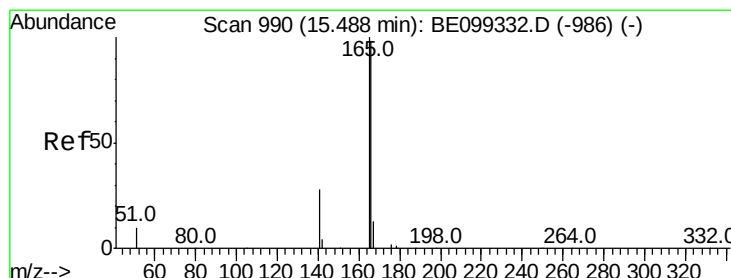
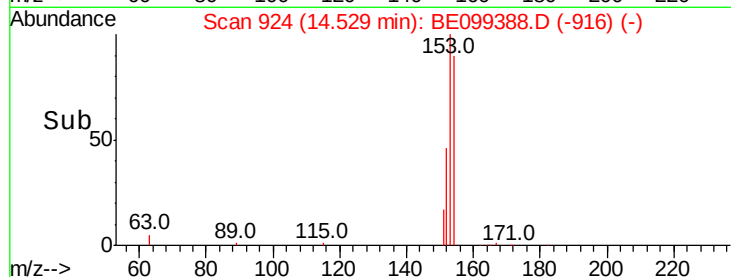
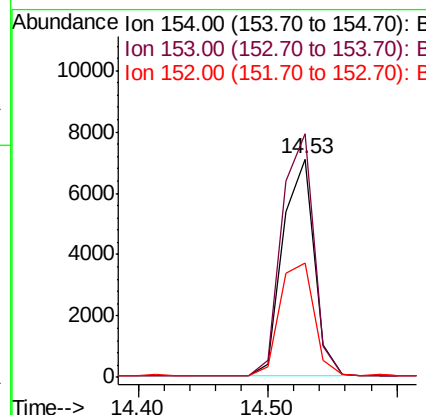
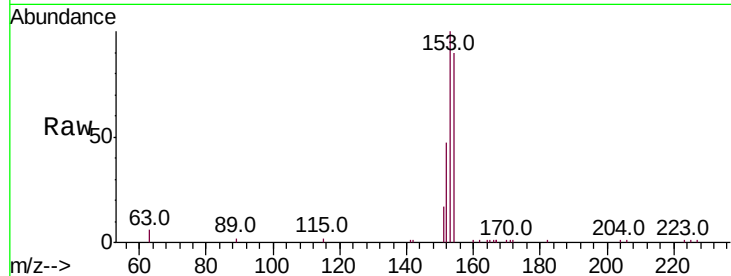
#17  
Acenaphthene  
Concen: 0.399 ng  
RT: 14.53 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.9 | 94.7  | 142.1 |
| 152     | 56.4  | 46.4  | 69.6  |

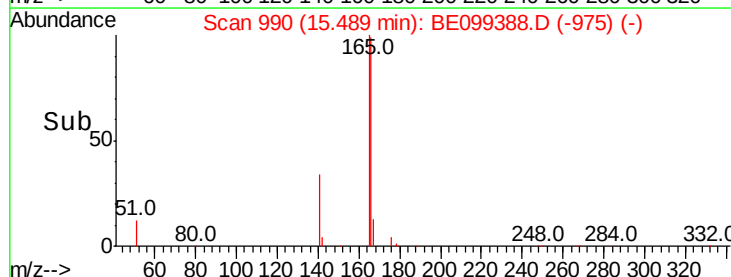
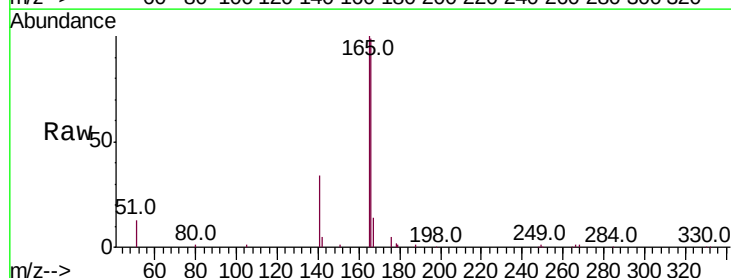
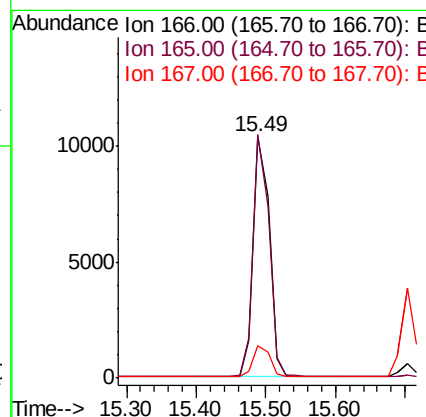
Manual Integrations  
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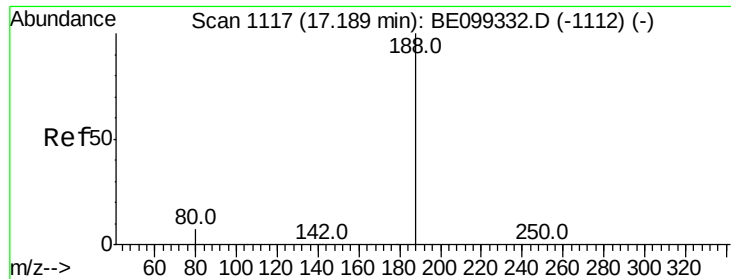
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#18  
Fluorene  
Concen: 0.386 ng  
RT: 15.49 min Scan# 990  
Delta R.T. 0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.2  | 79.7  | 119.5 |
| 167     | 13.5  | 11.0  | 16.4  |





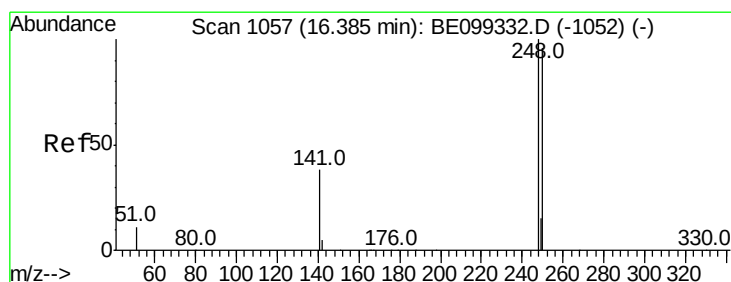
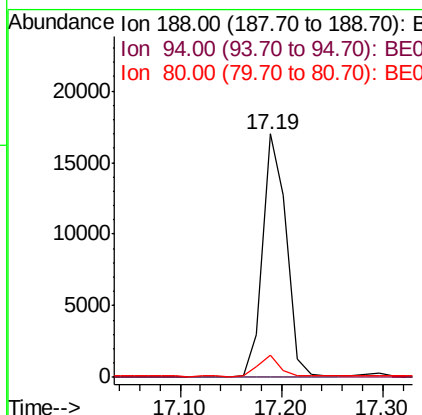
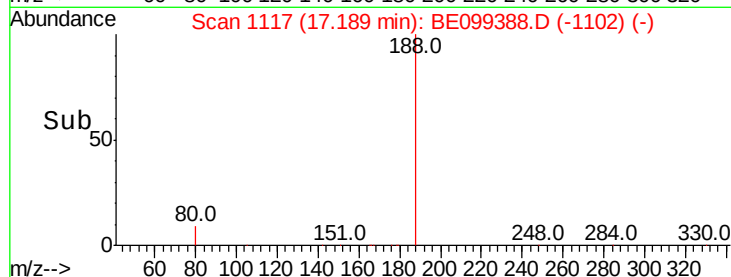
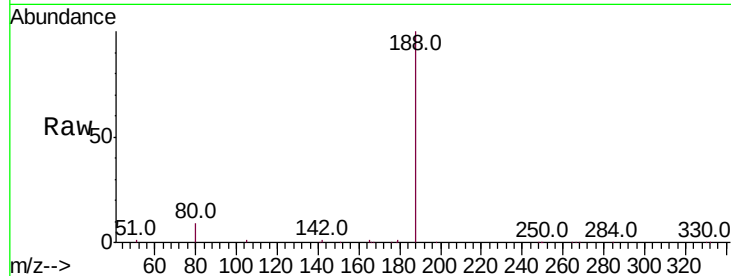
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.19 min Scan# 1117  
Delta R.T. 0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 27368 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 9.1   | 6.2   | 9.4   |

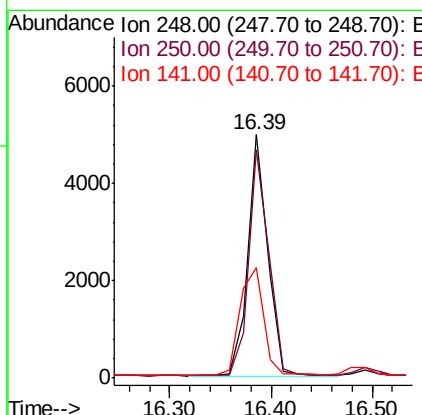
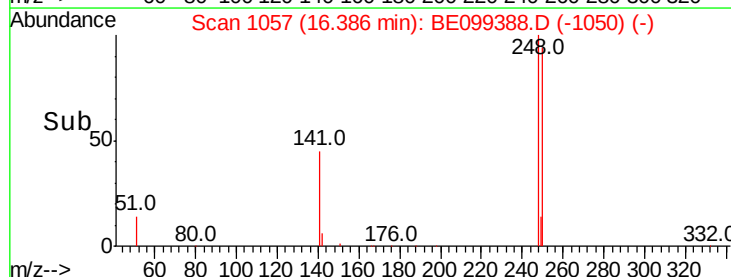
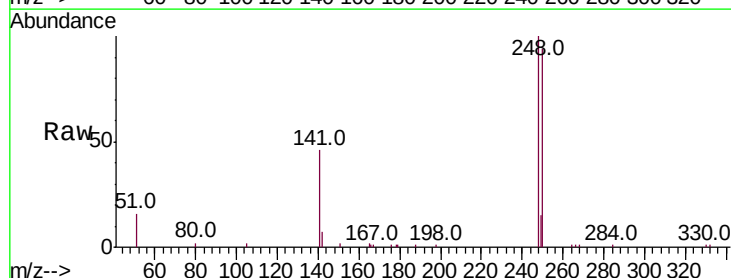
Manual Integrations  
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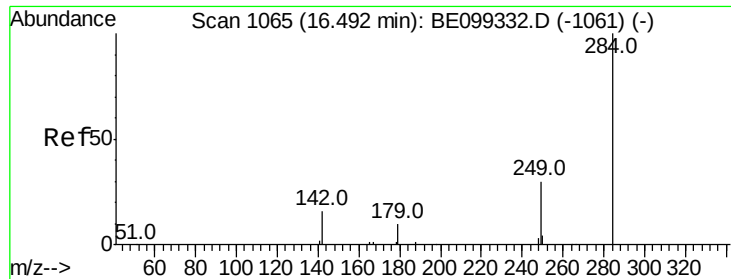
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#20  
4-Bromophenyl-phenylether  
Concen: 0.446 ng  
RT: 16.39 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 6762  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 93.9  | 77.0  | 115.6 |
| 141       | 45.6  | 31.1  | 46.7  |





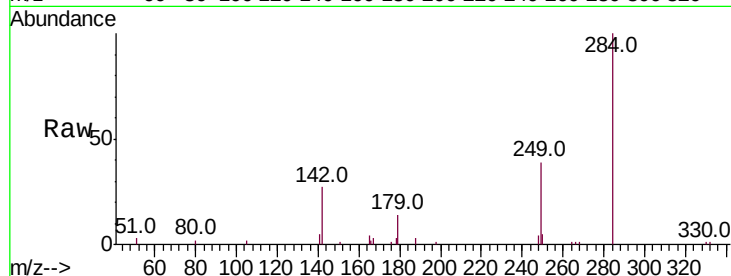
#21  
Hexachlorobenzene  
Concen: 0.434 ng  
RT: 16.49 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

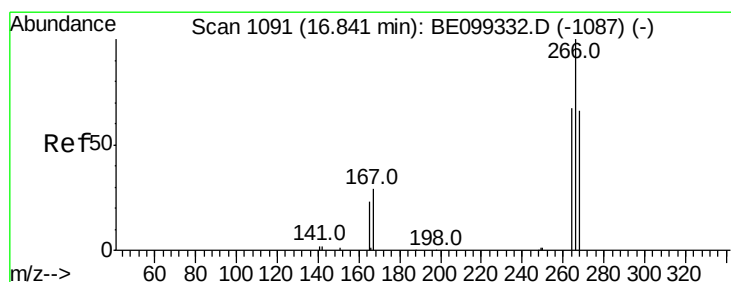
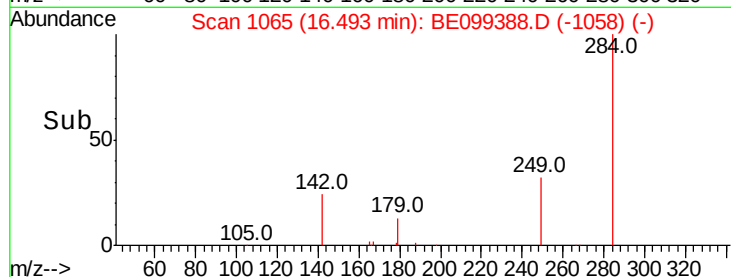
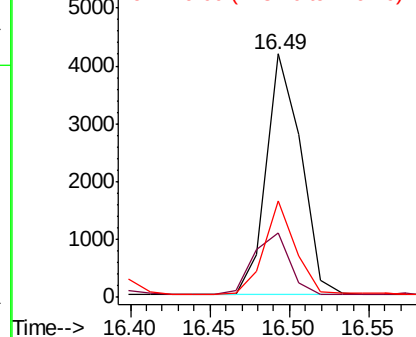
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 26.3  | 21.8  | 32.6  |
| 249     | 34.2  | 26.2  | 39.4  |

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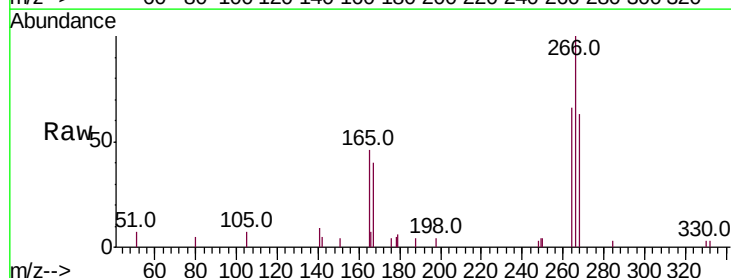


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

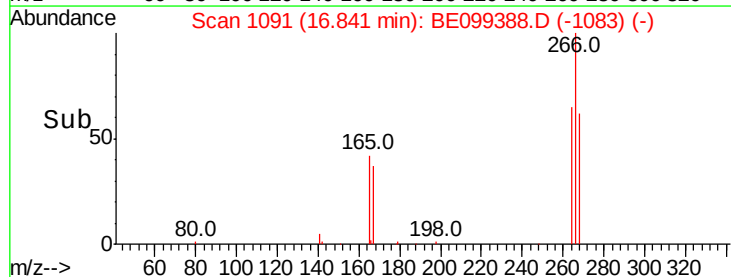
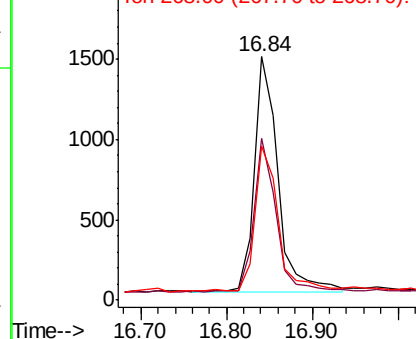


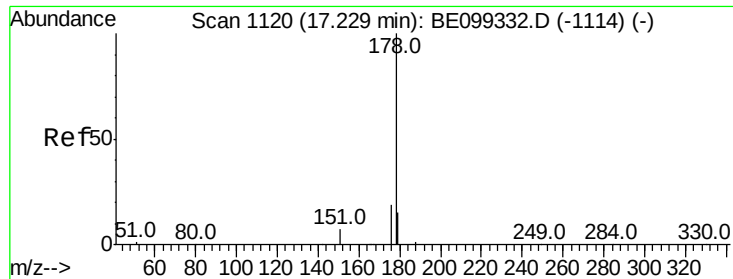
#22  
Pentachlorophenol  
Concen: 0.693 ng  
RT: 16.84 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 66.2  | 54.5  | 81.7  |
| 268     | 63.5  | 54.3  | 81.5  |



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

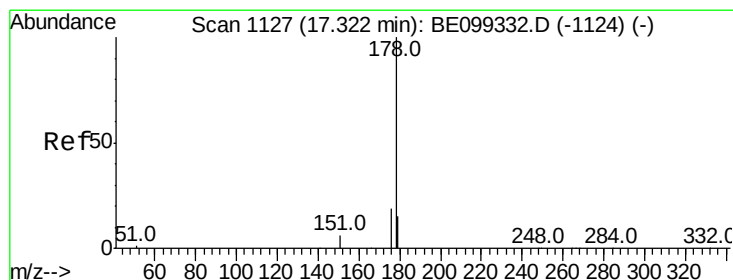
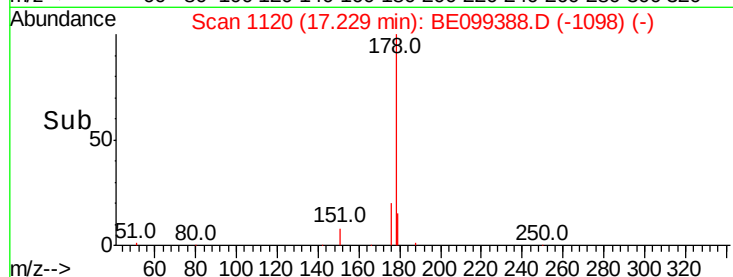
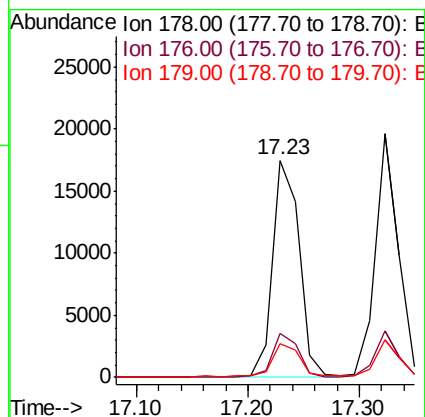
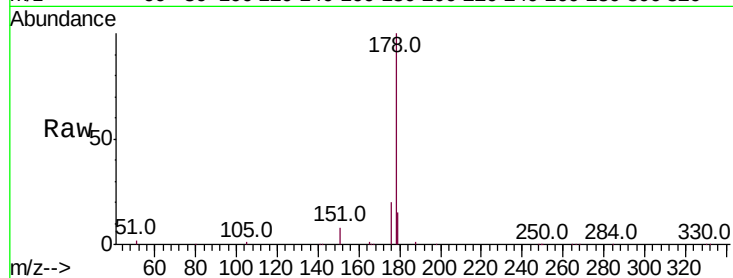
ClientSampled :

SSTDCCC0.4

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 28987     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.5  | 15.3 22.9 |
| 179         | 15.1  | 12.4 18.6 |

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#24

Anthracene

Concen: 0.433 ng

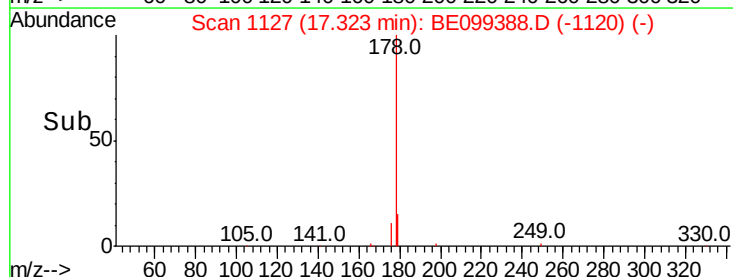
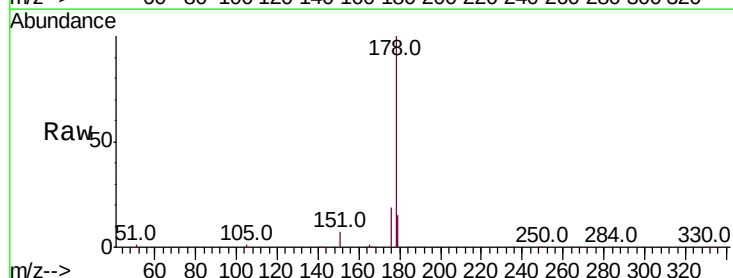
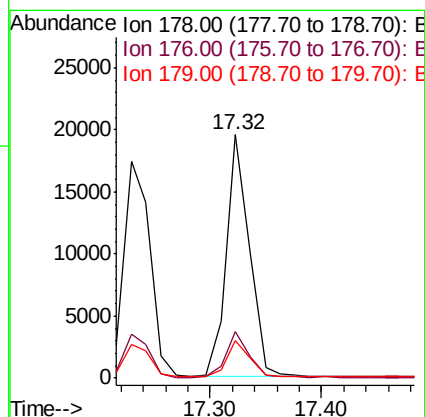
RT: 17.32 min Scan# 1127

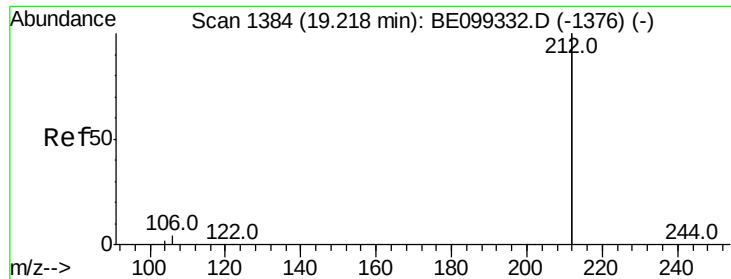
Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 27902     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.6  | 15.1 22.7 |
| 179         | 15.0  | 11.9 17.9 |





#25

Fluoranthene-d10

Concen: 0.416 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

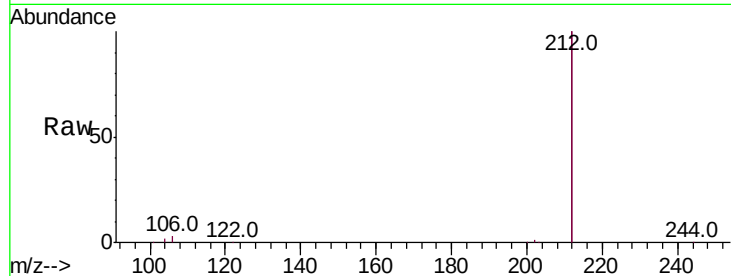
ClientSampled :

SSTDCCC0.4

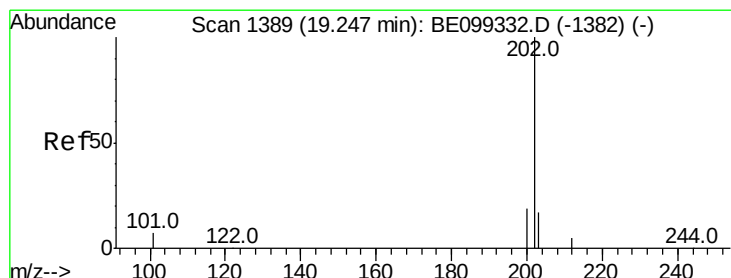
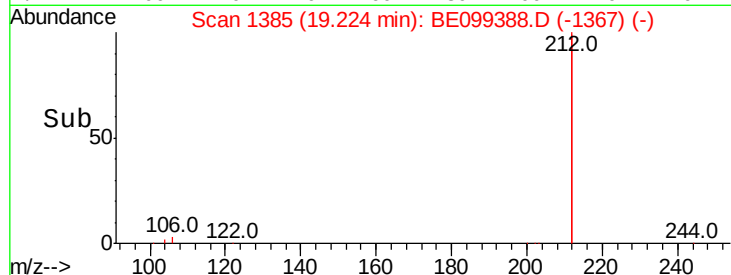
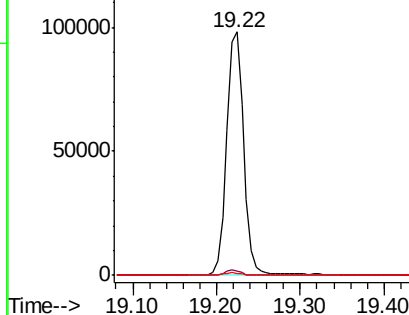
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 212   | Resp: | 136678 |
| Ion Ratio | Lower | Upper |        |
| 212       | 100   |       |        |
| 106       | 1.9   | 1.8   | 2.6    |
| 104       | 1.1   | 1.0   | 1.4    |

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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: 0.406 ng

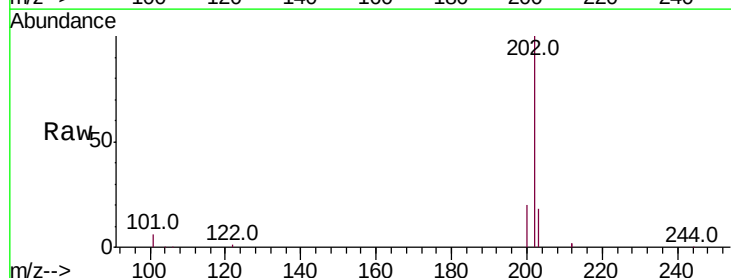
RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

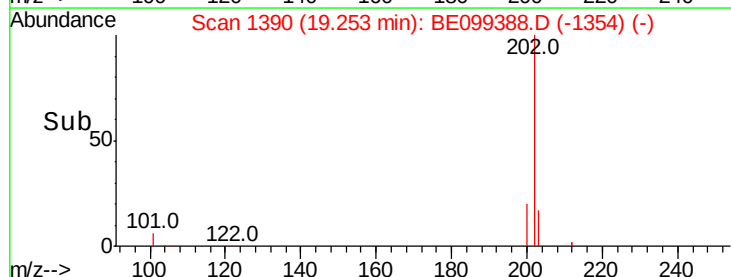
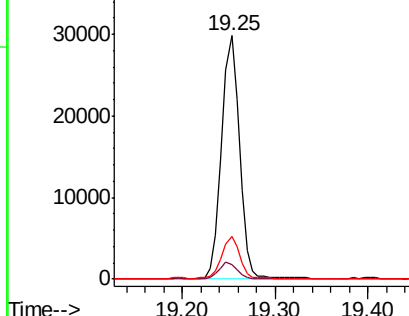
Lab File: BE099388.D

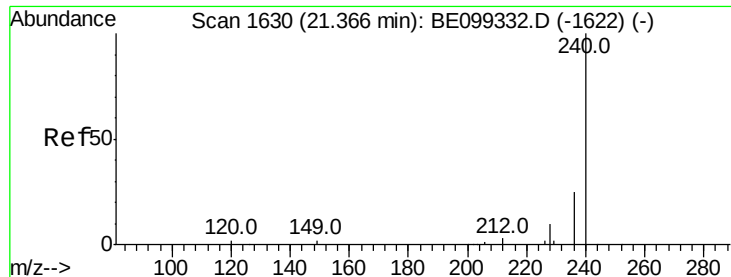
Acq: 26 Apr 2019 21:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 39349 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.7   | 6.4   | 9.6   |
| 203       | 17.2  | 13.5  | 20.3  |



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





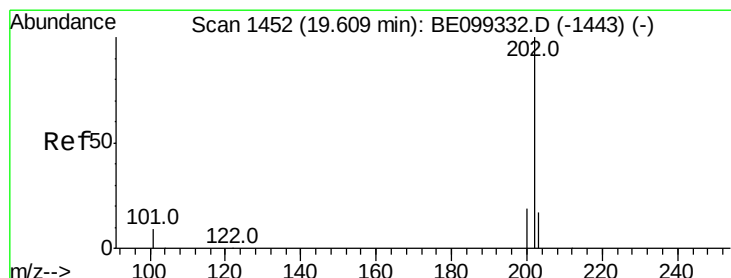
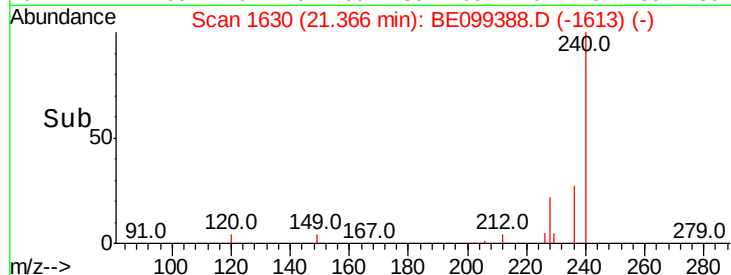
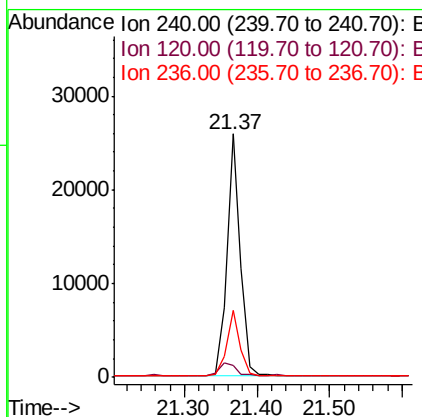
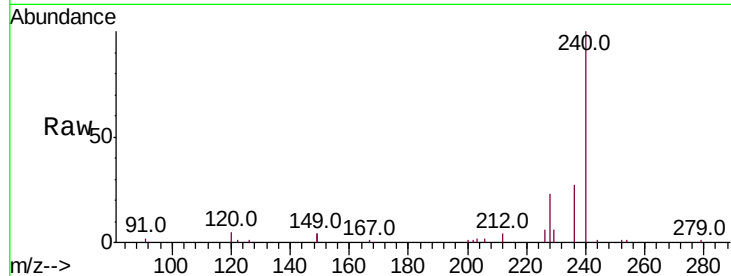
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.37 min Scan# 1630  
 Delta R.T. 0.00 min  
 Lab File: BE099388.D  
 Acq: 26 Apr 2019 21:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tot Ion:240 Resp: 33987  
 Ion Ratio Lower Upper  
 240 100  
 120 4.9 2.2 3.2#  
 236 27.4 20.2 30.4

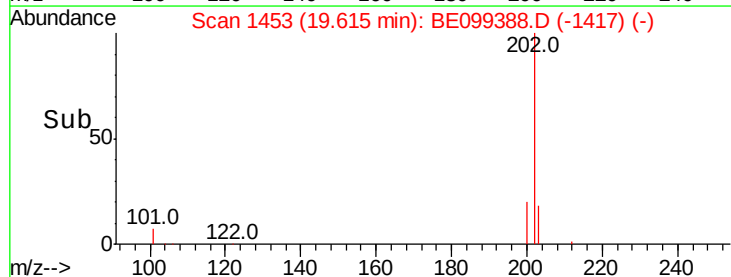
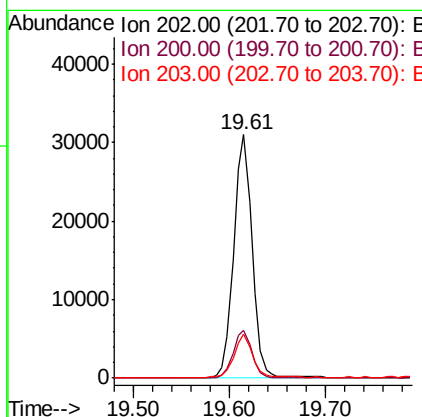
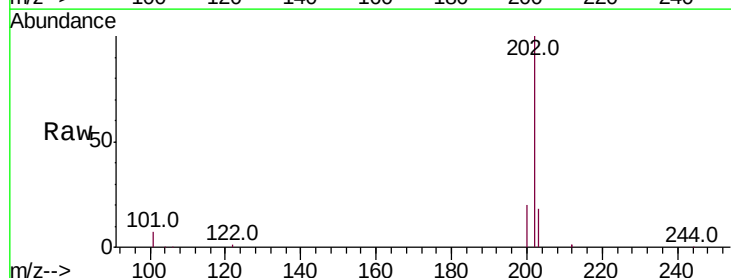
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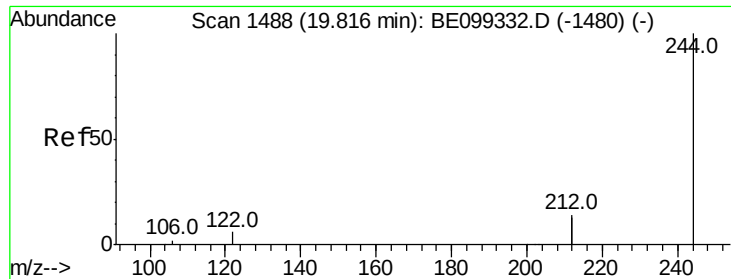


#28  
 Pyrene  
 Concen: 0.406 ng  
 RT: 19.61 min Scan# 1453  
 Delta R.T. 0.01 min  
 Lab File: BE099388.D  
 Acq: 26 Apr 2019 21:43

Tgt Ion:202 Resp: 40638  
 Ion Ratio Lower Upper  
 202 100  
 200 19.8 15.7 23.5  
 203 17.4 13.7 20.5







#29

Terphenyl-d14

Concen: 0.411 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

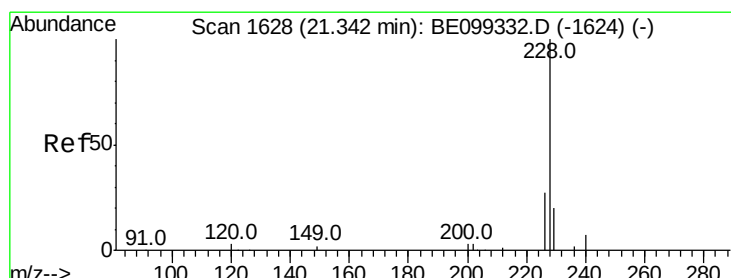
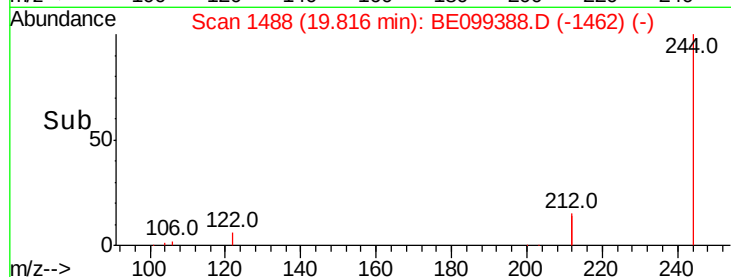
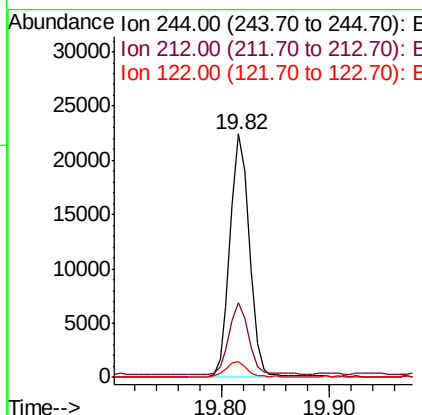
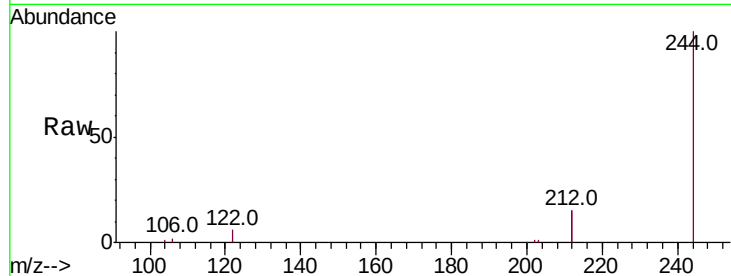
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 27513 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 30.8  | 22.6  | 33.8  |
| 122       | 6.3   | 4.6   | 7.0   |

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#30

Benzo(a)anthracene

Concen: 0.448 ng

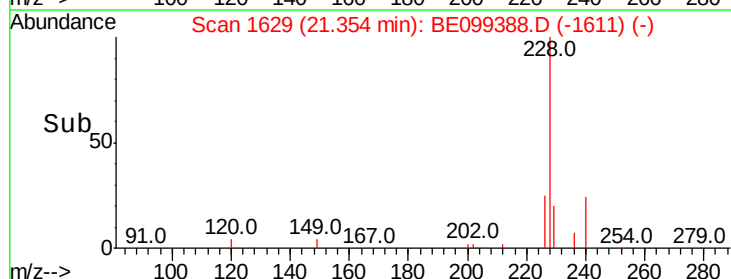
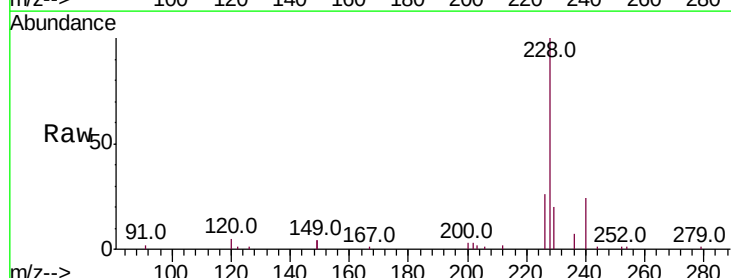
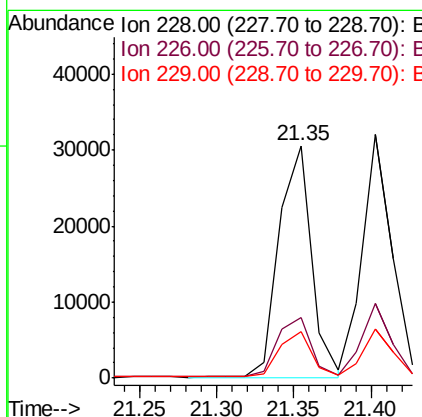
RT: 21.35 min Scan# 1629

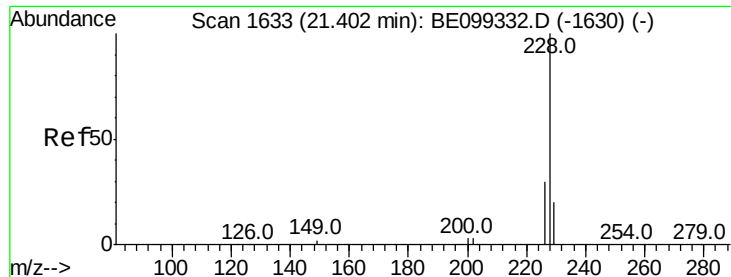
Delta R.T. 0.01 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 44729 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 25.9  | 22.0  | 33.0  |
| 229       | 20.1  | 15.8  | 23.8  |





#31

Chrysene

Concen: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

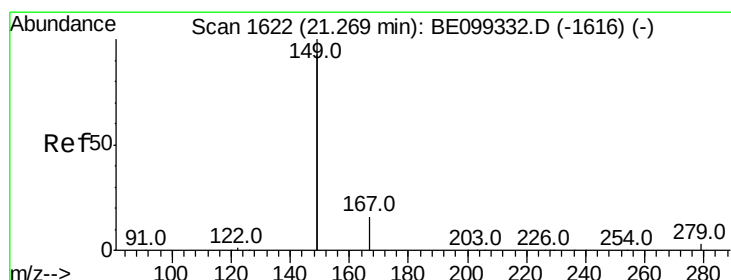
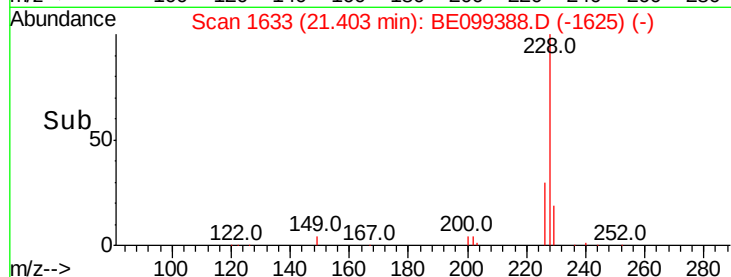
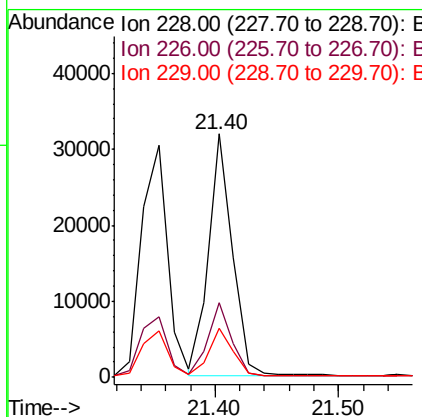
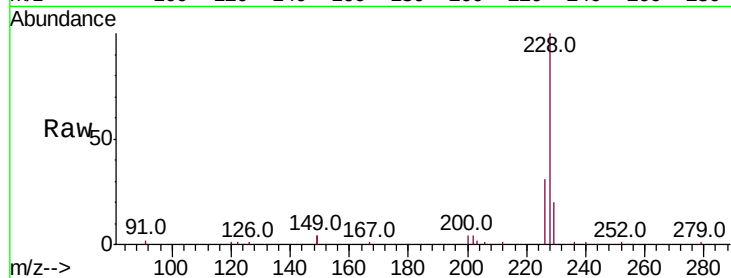
ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 228   | Resp: | 42541 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 30.6  | 23.4  | 35.2  |
| 229      | 19.9  | 16.2  | 24.2  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.861 ng

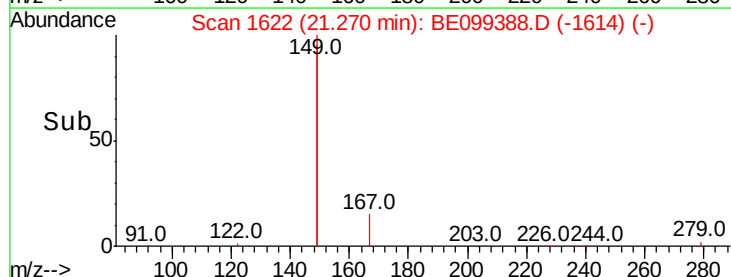
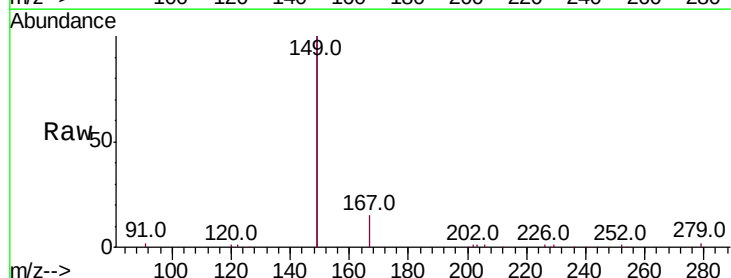
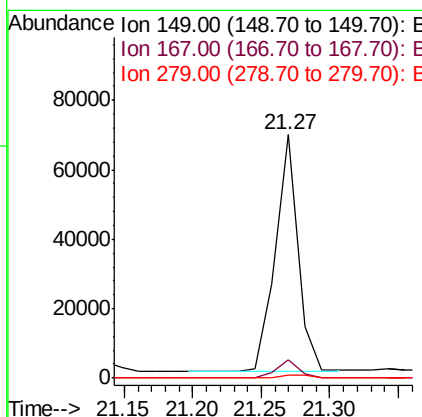
RT: 21.27 min Scan# 1622

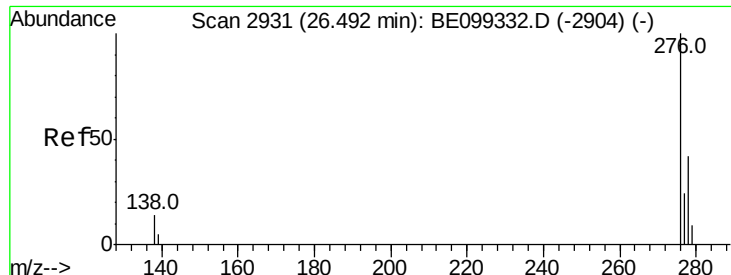
Delta R.T. 0.00 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 78303 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 7.5   | 6.0   | 9.0   |
| 279      | 1.3   | 1.1   | 1.7   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.416 ng

RT: 26.52 min Scan# 2939

Delta R.T. 0.03 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

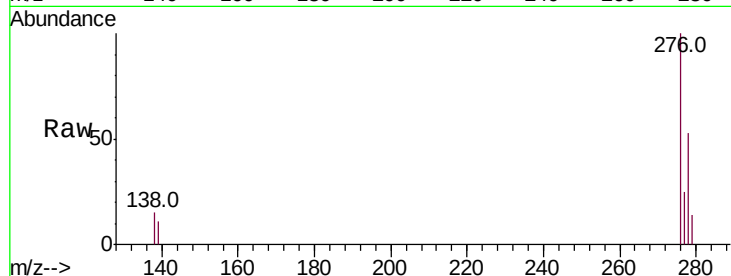
ClientSampled :

SSTDCCC0.4

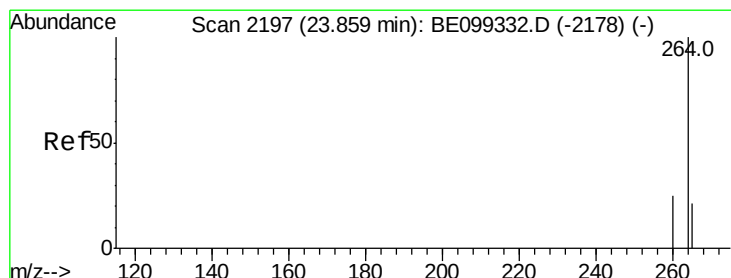
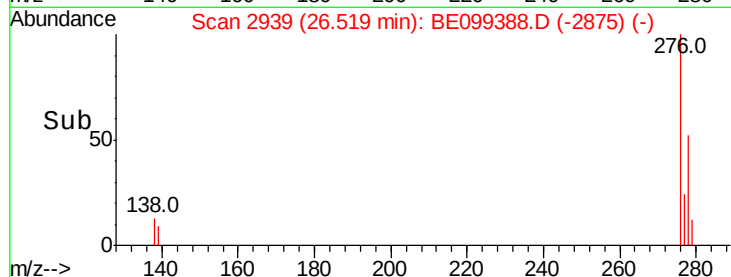
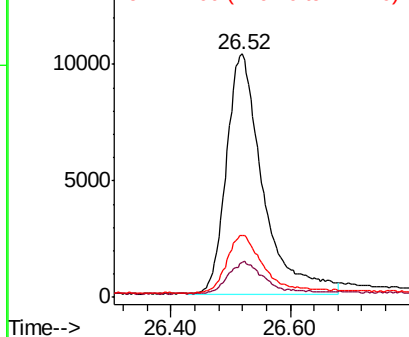
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 43640 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 12.9  | 12.7  | 19.1  |
| 277       | 25.0  | 19.6  | 29.4  |

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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2200

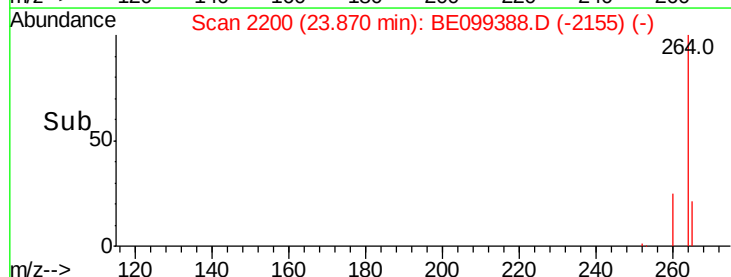
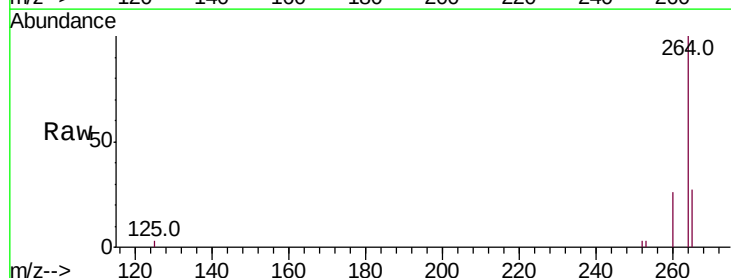
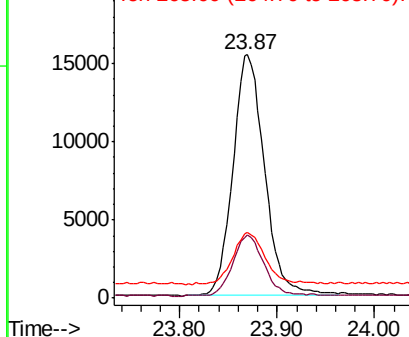
Delta R.T. 0.01 min

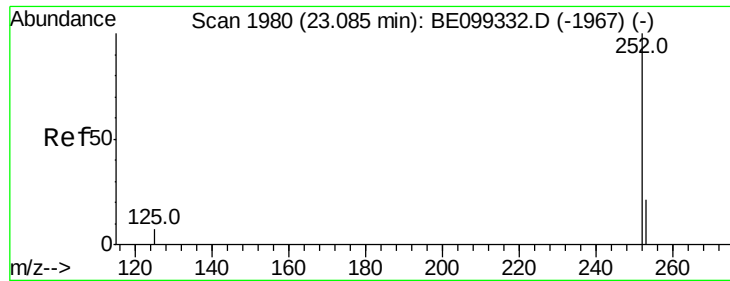
Lab File: BE099388.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 35035 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 25.7  | 20.1  | 30.1  |
| 265       | 26.8  | 19.9  | 29.9  |

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





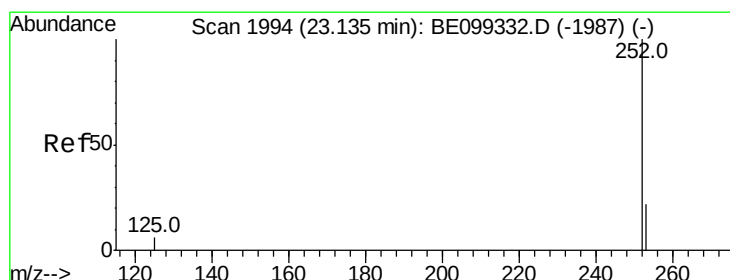
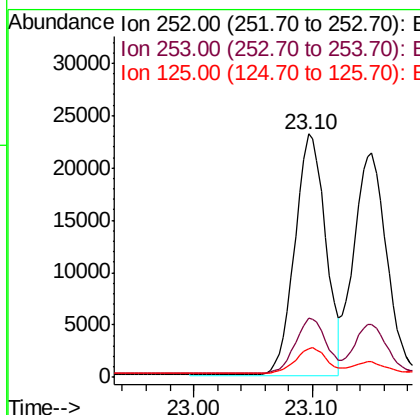
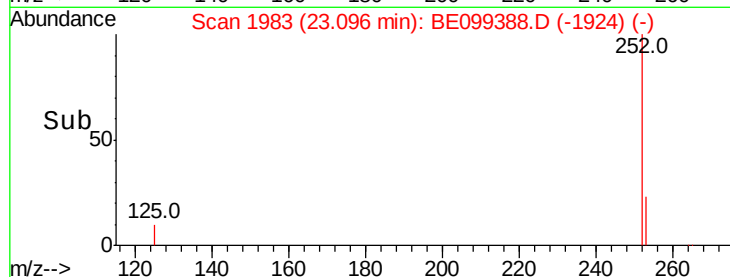
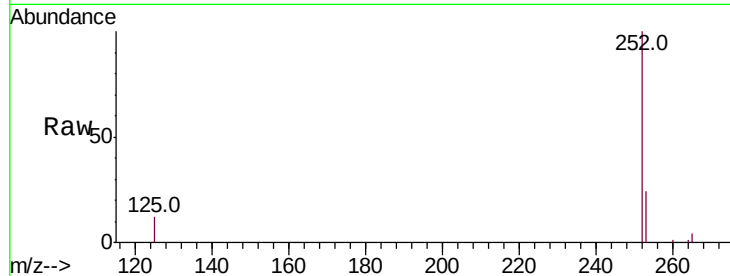
#35  
Benzo(b)fluoranthene  
Concen: 0.391 ng m  
RT: 23.10 min Scan# 1983  
Delta R.T. 0.01 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:252 Resp: 41904  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.3 25.9  
125 11.7 5.8 8.6#

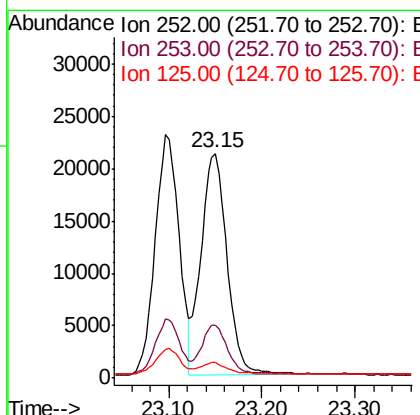
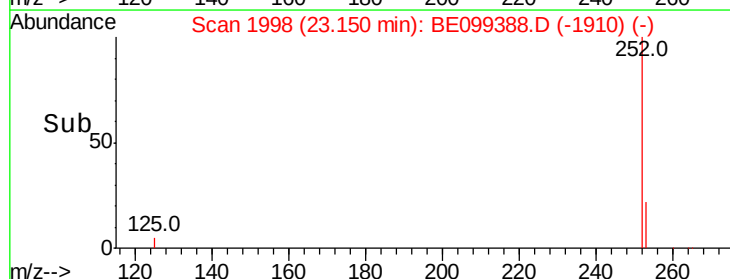
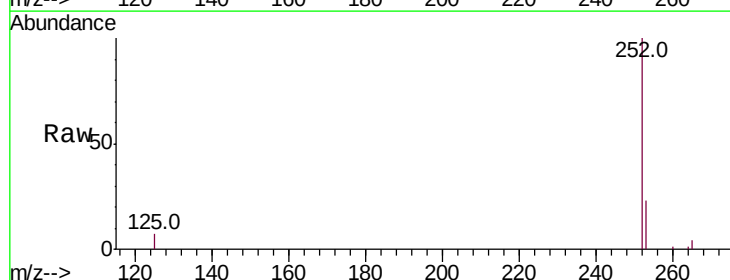
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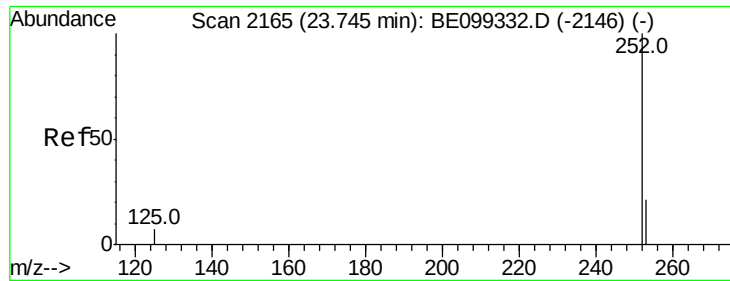
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#36  
Benzo(k)fluoranthene  
Concen: 0.386 ng  
RT: 23.15 min Scan# 1998  
Delta R.T. 0.01 min  
Lab File: BE099388.D  
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Tgt Ion:252 Resp: 41321  
Ion Ratio Lower Upper  
252 100  
253 23.4 18.4 27.6  
125 7.0 5.4 8.0





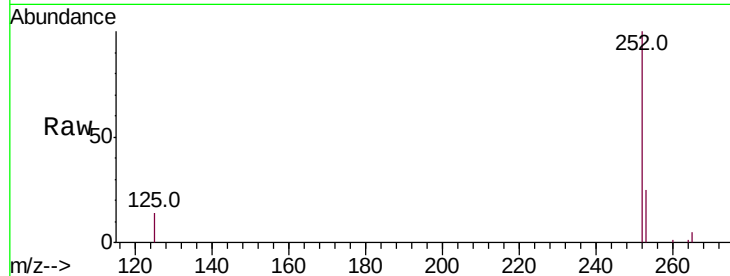
#37  
Benzo(a)pyrene  
Concen: 0.410 ng  
RT: 23.76 min Scan# 2168  
Delta R.T. 0.01 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

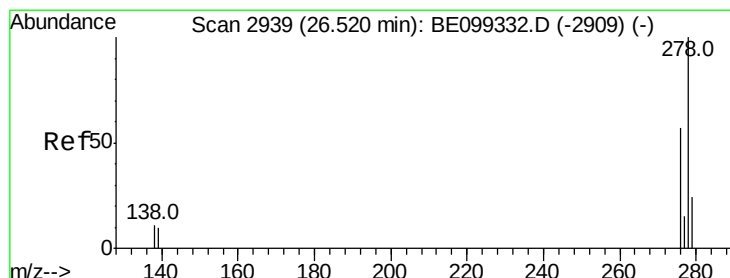
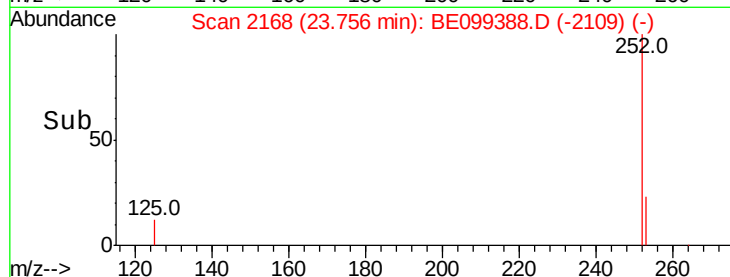
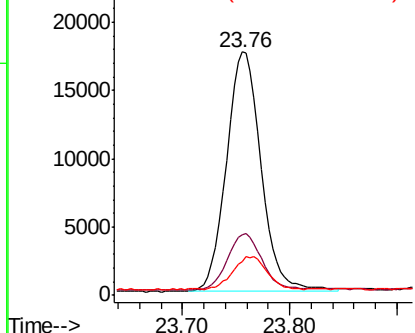
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 17.6  | 26.4  |
| 125     | 13.9  | 6.5   | 9.7   |

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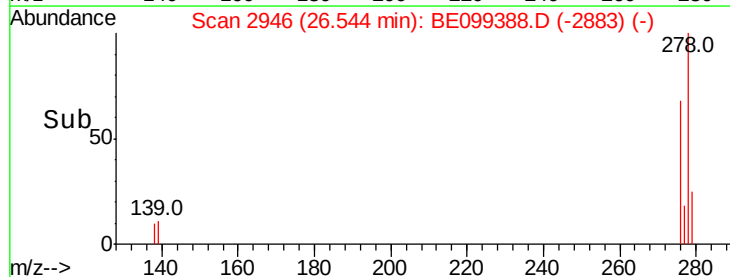
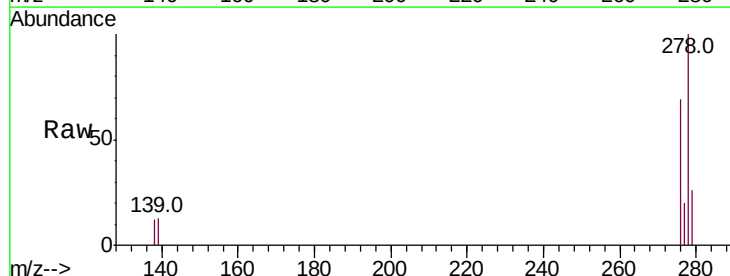
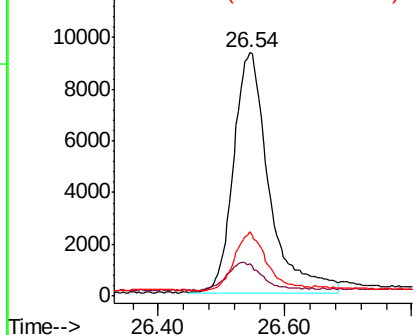
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

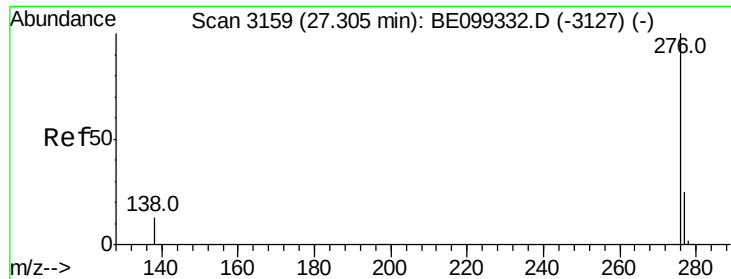


#38  
Dibenzo(a,h)anthracene  
Concen: 0.368 ng  
RT: 26.54 min Scan# 2946  
Delta R.T. 0.02 min  
Lab File: BE099388.D  
Acq: 26 Apr 2019 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.2  | 8.5   | 12.7  |
| 279     | 26.2  | 19.8  | 29.8  |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.310 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.03 min

Lab File: BE099388.D

Acq: 26 Apr 2019 21:43

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 30921 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.1  | 20.0  | 30.0  |
| 138       | 12.2  | 11.1  | 16.7  |

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