

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
 Data File : BE099202.D  
 Acq On : 26 Mar 2019 4:59  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

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 3/26/2019 6:14:21 PM

Quant Time: Mar 26 08:04:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 4062     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 18764    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 13798    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.21 | 188  | 36533    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.38 | 240  | 42661    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 40952    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.41  | 112 | 4292   | 0.35 | ng | 0.00 |
| 5) Phenol-d6                | 6.99  | 99  | 6573   | 0.35 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 5405   | 0.35 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 13147  | 0.36 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330 | 1675   | 0.44 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 20348  | 0.36 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.24 | 212 | 157276 | 0.36 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.83 | 244 | 30484  | 0.33 | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.34  | 88  | 1868   | 0.349  | ng | 97   |
| 3) n-Nitrosodimethylamine      | 3.67  | 42  | 1041   | 0.347  | ng | # 84 |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93  | 4948   | 0.340  | ng | 98   |
| 9) Naphthalene                 | 10.68 | 128 | 78745  | 0.356  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.95 | 225 | 4149   | 0.352  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 14119  | 0.357  | ng | 99   |
| 16) Acenaphthylene             | 14.20 | 152 | 23557  | 0.335  | ng | 99   |
| 17) Acenaphthene               | 14.54 | 154 | 14965  | 0.356  | ng | 99   |
| 18) Fluorene                   | 15.51 | 166 | 20884  | 0.353  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248 | 7835   | 0.332  | ng | 99   |
| 21) Hexachlorobenzene          | 16.50 | 284 | 7578   | 0.333  | ng | 99   |
| 22) Pentachlorophenol          | 16.87 | 266 | 1203   | 0.590  | ng | 92   |
| 23) Phenanthrene               | 17.25 | 178 | 37009  | 0.345  | ng | 100  |
| 24) Anthracene                 | 17.33 | 178 | 32022  | 0.330  | ng | 99   |
| 26) Fluoranthene               | 19.26 | 202 | 47116  | 0.344  | ng | 99   |
| 28) Pyrene                     | 19.63 | 202 | 47603  | 0.336  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.37 | 228 | 47329  | 0.336  | ng | 99   |
| 31) Chrysene                   | 21.41 | 228 | 50841  | 0.338  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 52169  | 0.311  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.56 | 276 | 41005  | 0.288  | ng | 96   |
| 35) Benzo(b)fluoranthene       | 23.12 | 252 | 43970m | 0.326  | ng |      |
| 36) Benzo(k)fluoranthene       | 23.17 | 252 | 51389  | 0.361  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.78 | 252 | 42648  | 0.339  | ng | 99   |
| 38) Dibenzo(a,h)anthracene     | 26.57 | 278 | 33078  | 0.296  | ng | # 98 |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276 | 34386  | 0.307  | ng | 98   |

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

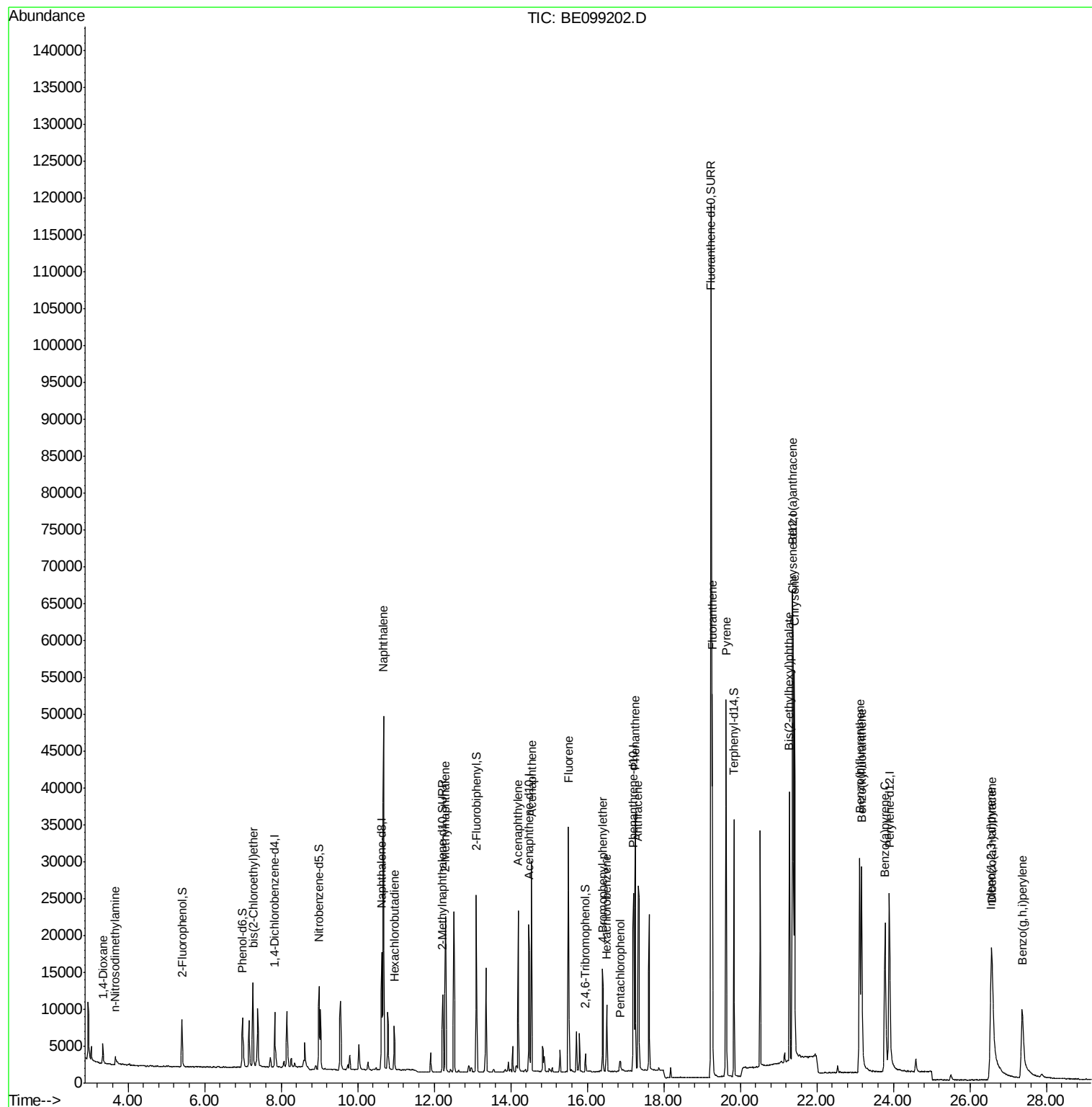
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
Data File : BE099202.D  
Acq On : 26 Mar 2019 4:59  
Operator : JU/SJ  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

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Quant Time: Mar 26 08:04:59 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration





#1

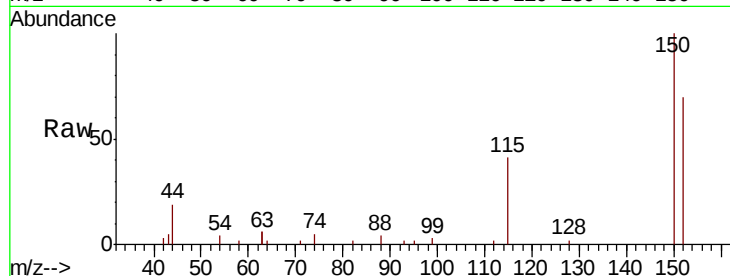
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.84 min Scan# 432  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

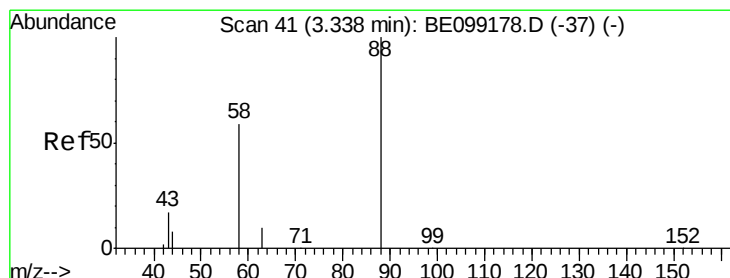
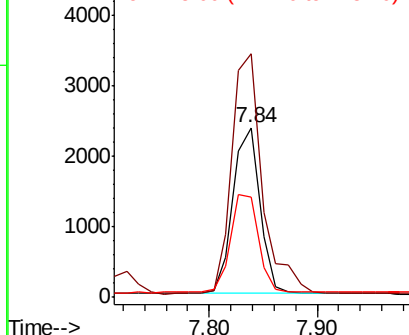
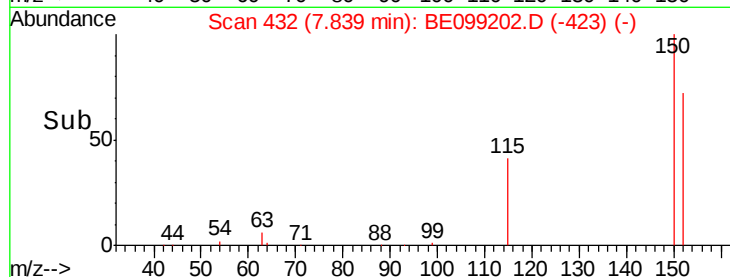
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.5 | 112.8 | 169.2 |
| 115     | 58.9  | 45.1  | 67.7  |

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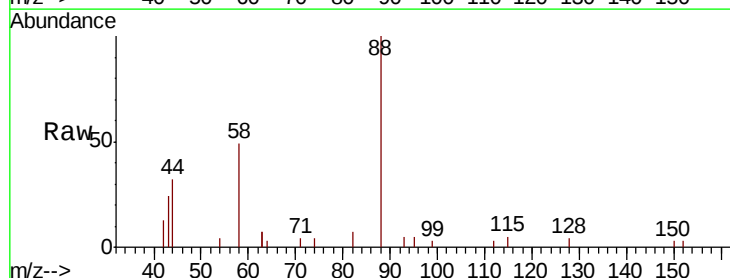
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



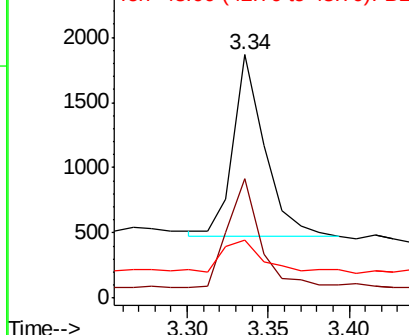
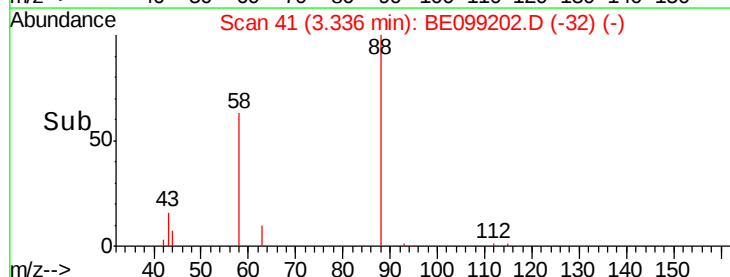
#2

1,4-Dioxane  
Concen: 0.349 ng  
RT: 3.34 min Scan# 41  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 61.6  | 47.4  | 71.0  |
| 43      | 20.2  | 15.6  | 23.4  |



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

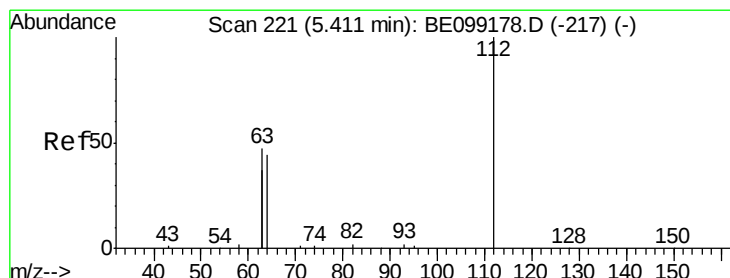
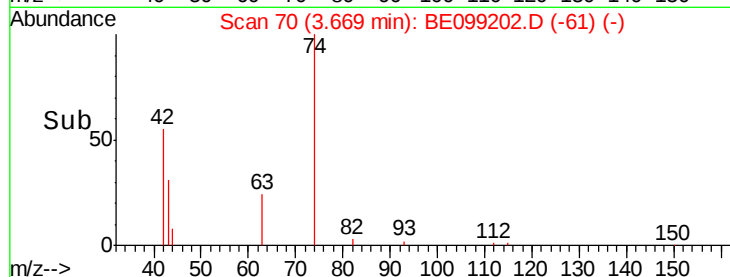
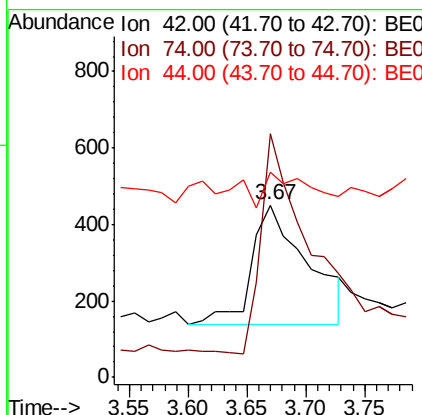
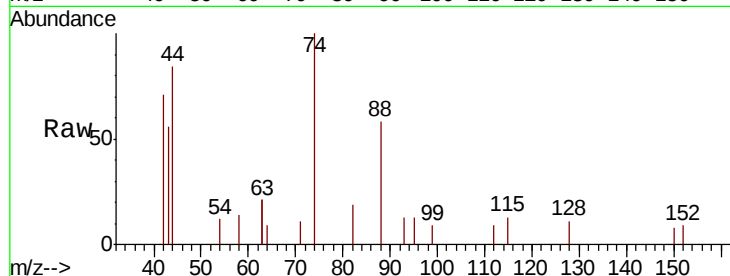
n-Nitrosodimethylamine  
Concen: 0.347 ng  
RT: 3.67 min Scan# 70  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 150.1 | 138.6 | 207.8 |
| 44      | 24.2  | 15.0  | 22.6  |

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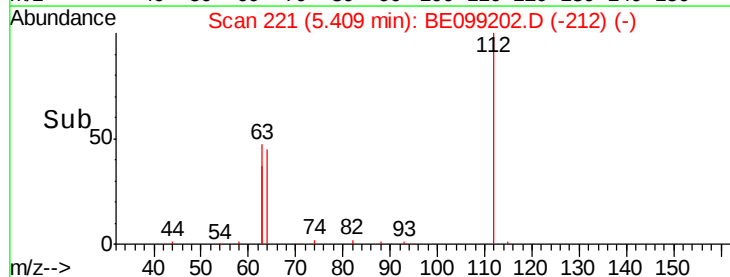
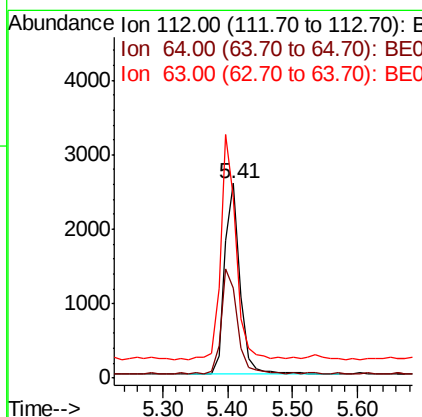
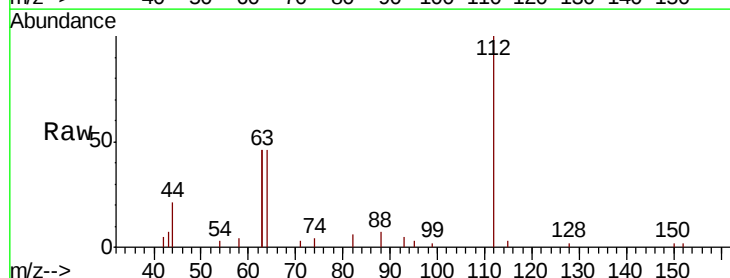
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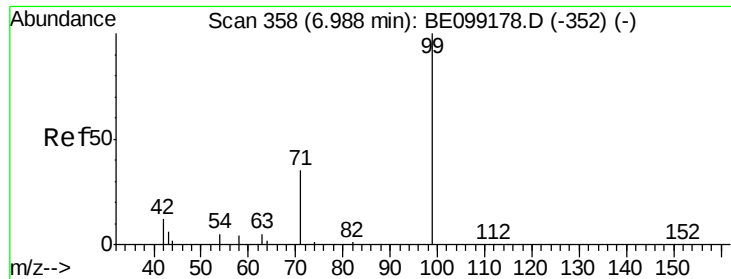


#4

2-Fluorophenol  
Concen: 0.354 ng  
RT: 5.41 min Scan# 221  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.2  | 46.2  | 69.2  |
| 63      | 114.2 | 89.9  | 134.9 |





#5

Phenol-d6

Concen: 0.355 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA\_E

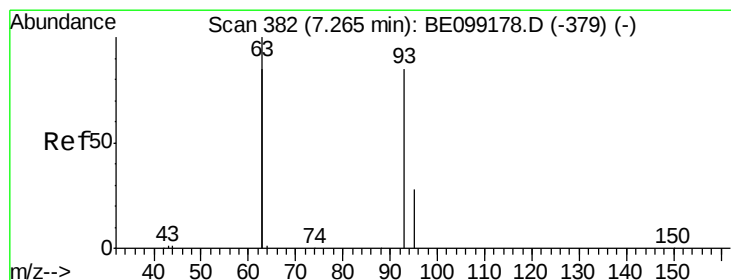
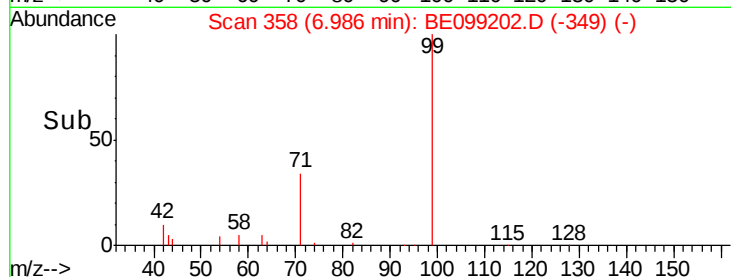
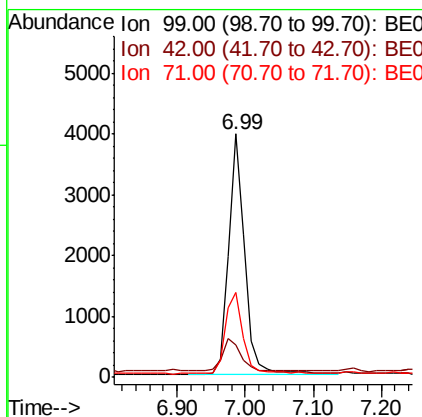
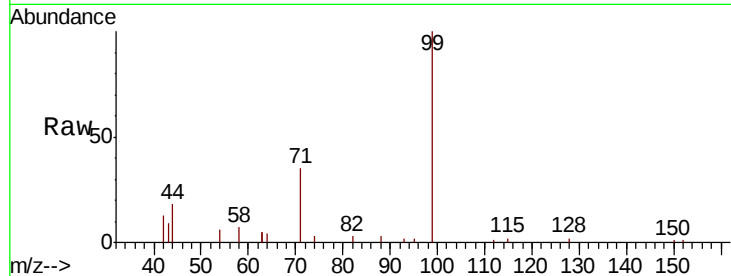
ClientSampled :

SSTDCCC0.4EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 6573  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 15.5  | 12.4  | 18.6  |
| 71       | 36.9  | 28.4  | 42.6  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.340 ng

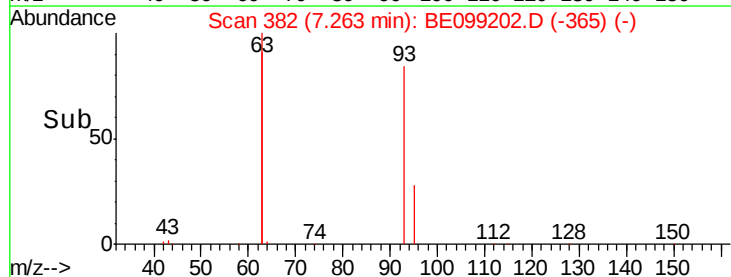
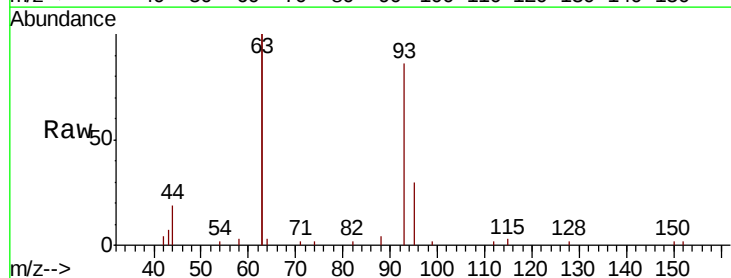
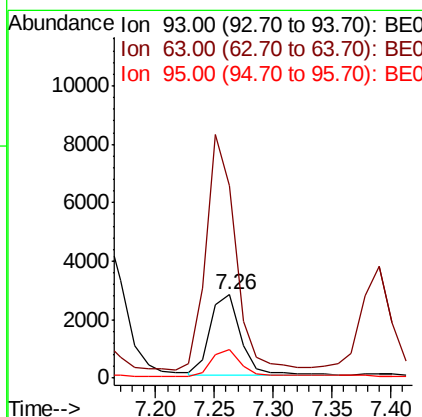
RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4948  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 280.9 | 221.4 | 332.0 |
| 95       | 33.0  | 25.8  | 38.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA\_E

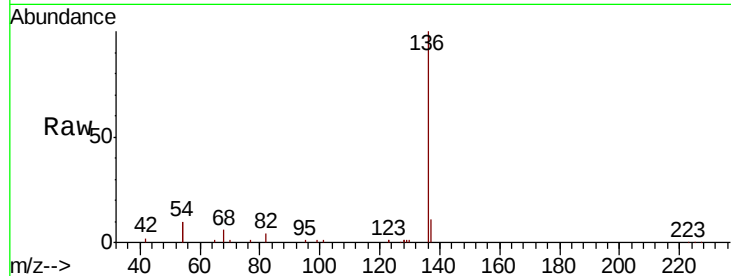
ClientSampleId :

SSTDCCC0.4EC

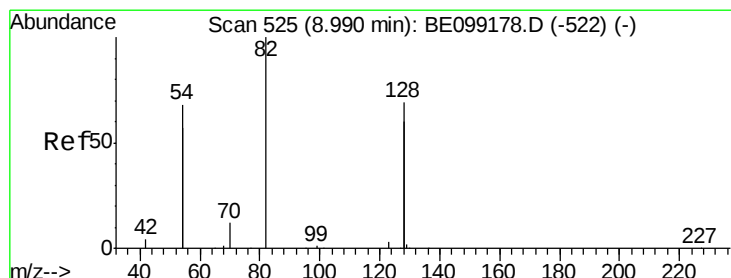
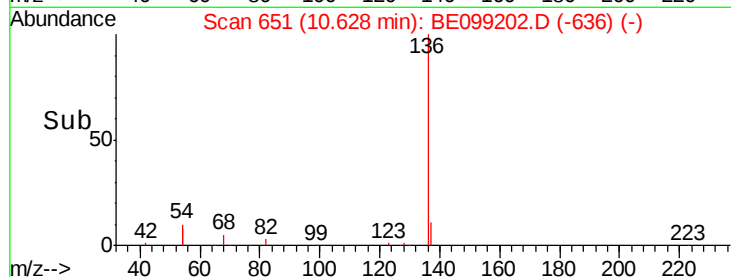
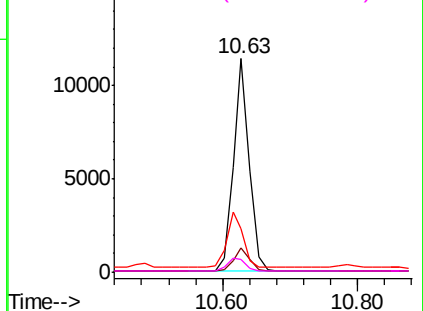
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.3  | 8.7   | 13.1  |
| 54      | 20.6  | 18.7  | 28.1  |
| 68      | 5.9   | 5.2   | 7.8   |

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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: 0.353 ng

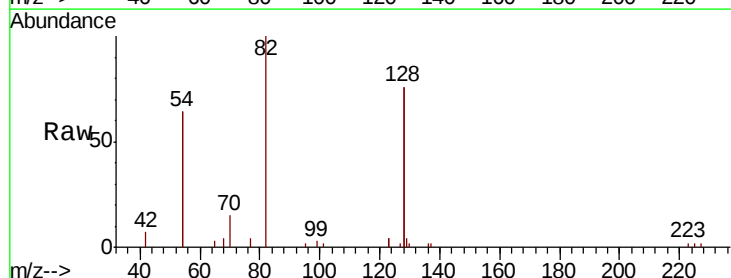
RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

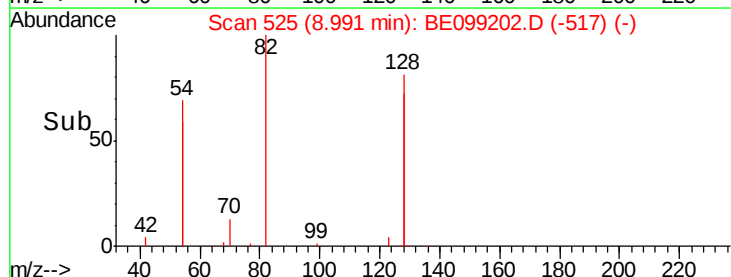
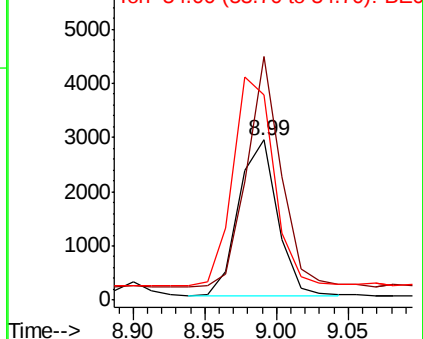
Lab File: BE099202.D

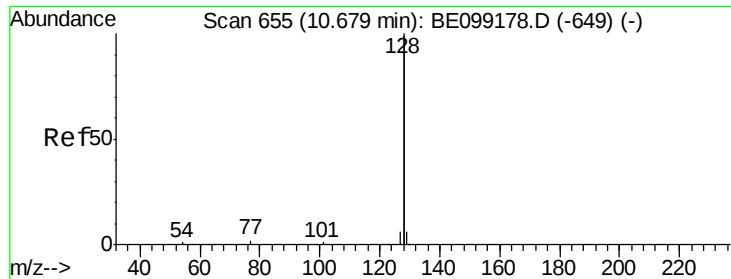
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 152.4 | 107.5 | 161.3 |
| 54      | 128.7 | 106.3 | 159.5 |



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





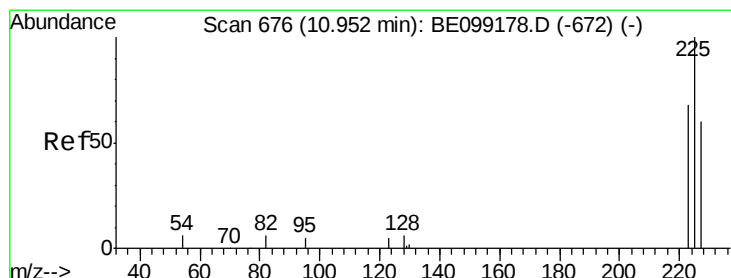
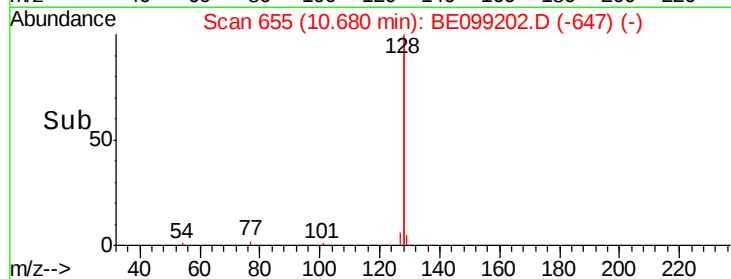
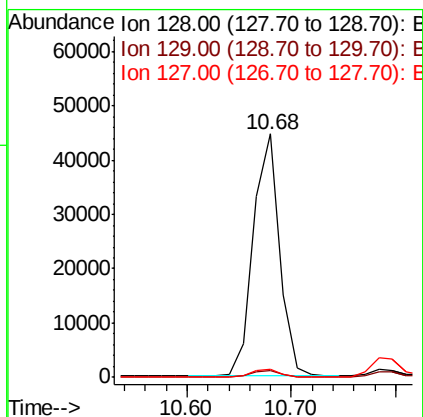
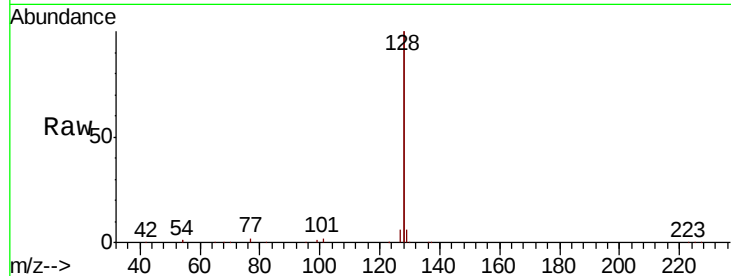
#9  
Naphthalene  
Concen: 0.356 ng  
RT: 10.68 min Scan# 655  
Delta R.T. 0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 2.8   | 2.3   | 3.5   |
| 127     | 3.1   | 2.6   | 3.8   |

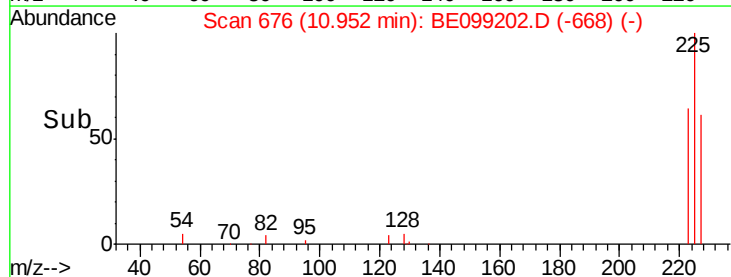
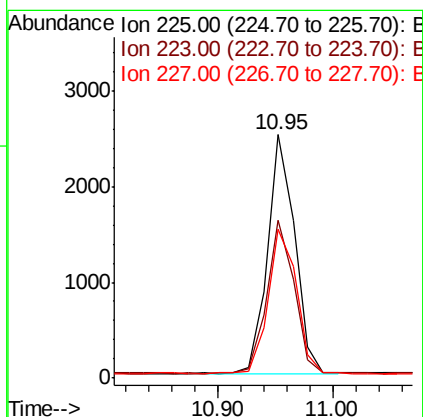
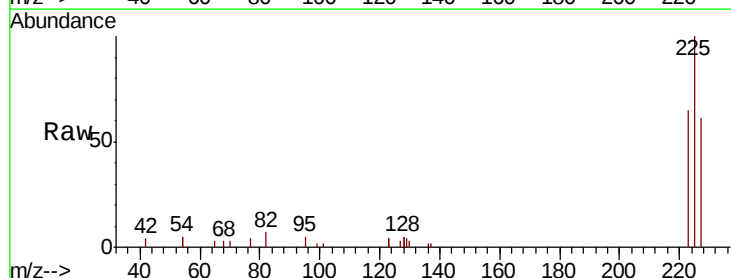
Manual Integrations  
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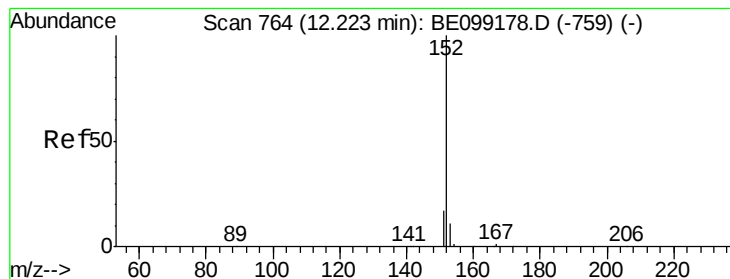
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#10  
Hexachlorobutadiene  
Concen: 0.352 ng  
RT: 10.95 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 51.3  | 76.9  |
| 227     | 63.4  | 48.6  | 73.0  |





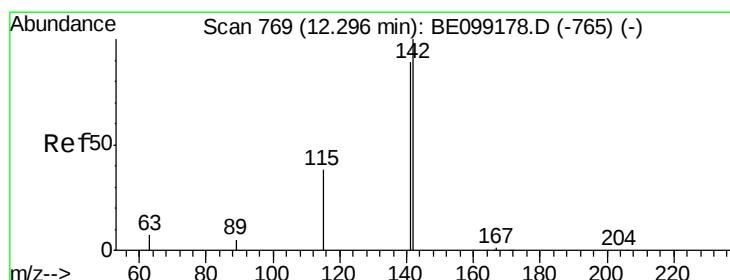
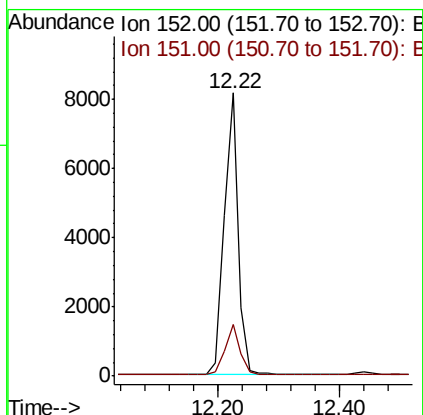
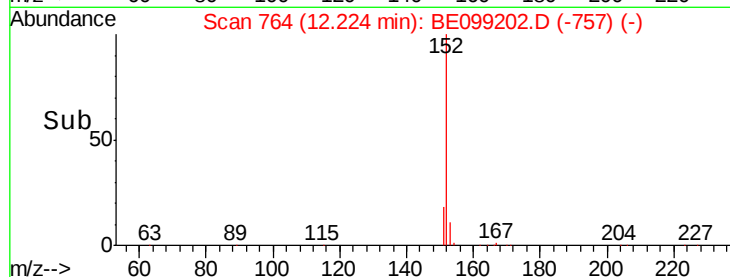
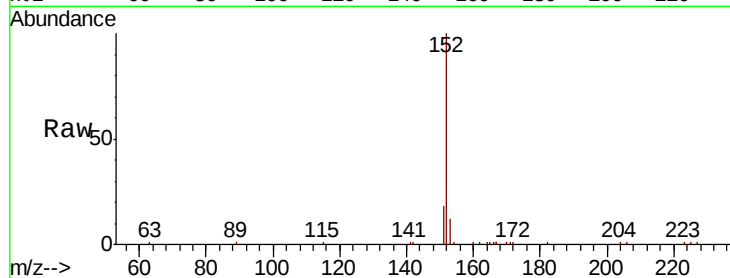
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 2-Methylnaphthalene-d10  
 Concen: 0.364 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. 0.00 min  
 Lab File: BE099202.D  
 Acq: 26 Mar 2019 4:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.9  | 15.0  | 22.6  |

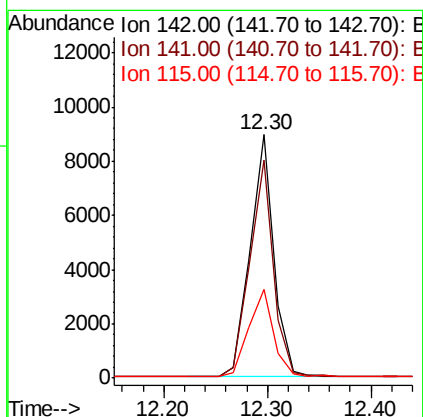
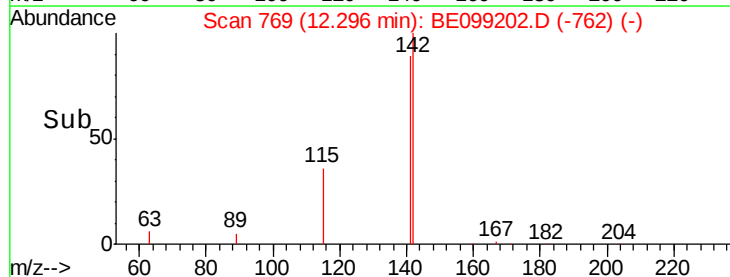
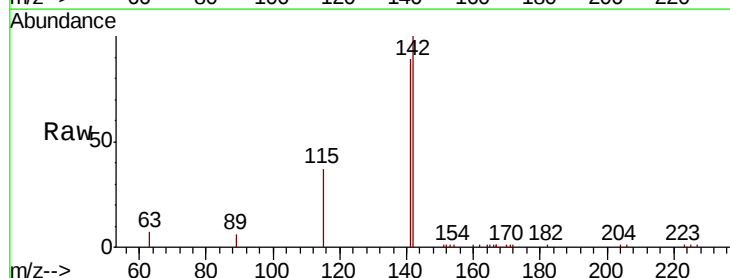
Manual Integrations  
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#12  
 2-Methylnaphthalene  
 Concen: 0.357 ng  
 RT: 12.30 min Scan# 769  
 Delta R.T. 0.00 min  
 Lab File: BE099202.D  
 Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.3  | 71.3  | 106.9 |
| 115     | 36.5  | 30.4  | 45.6  |





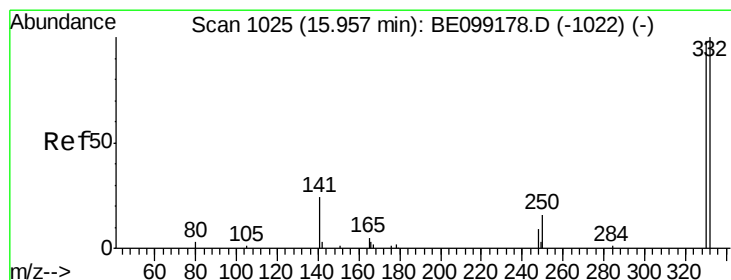
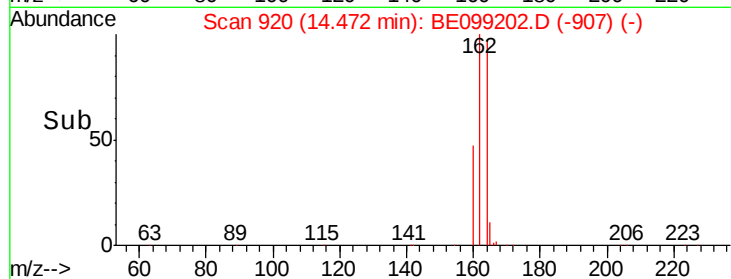
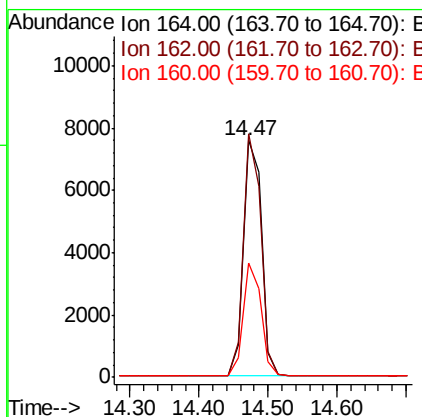
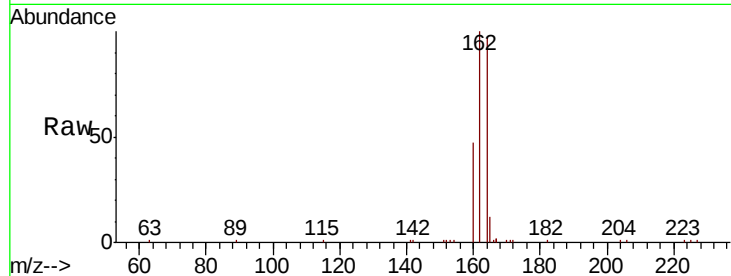
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampled :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 79.2  | 118.8 |
| 160     | 48.5  | 36.7  | 55.1  |

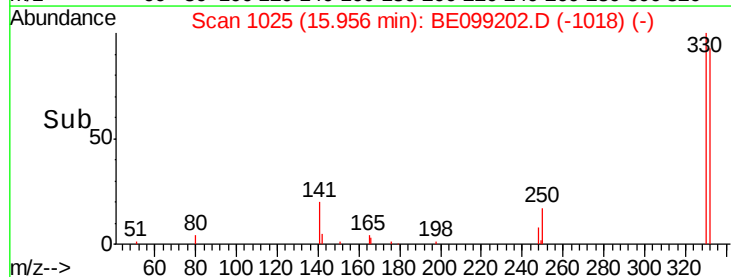
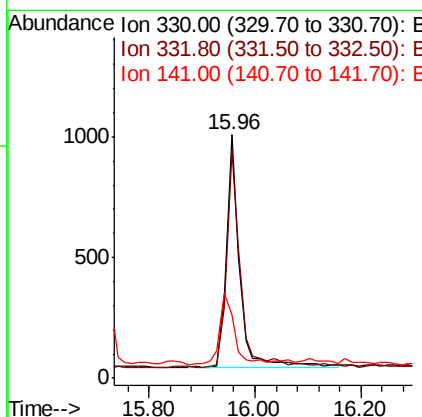
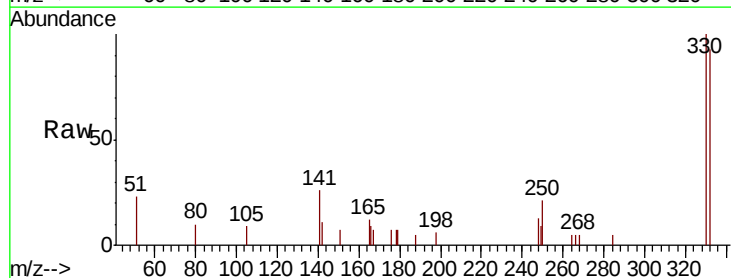
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#14  
2,4,6-Tribromophenol  
Concen: 0.443 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 71.3  | 106.9 |
| 141     | 33.7  | 21.7  | 32.5  |





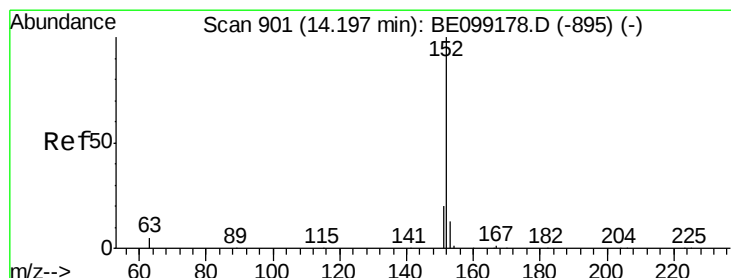
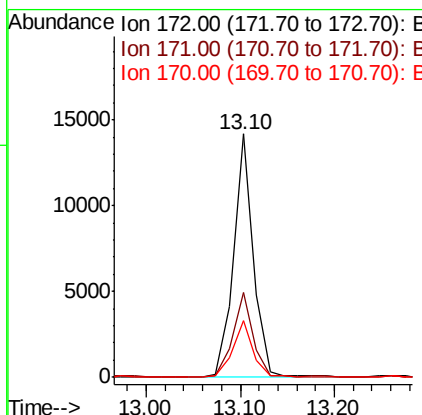
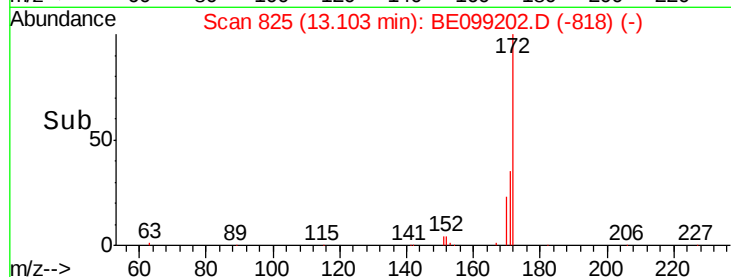
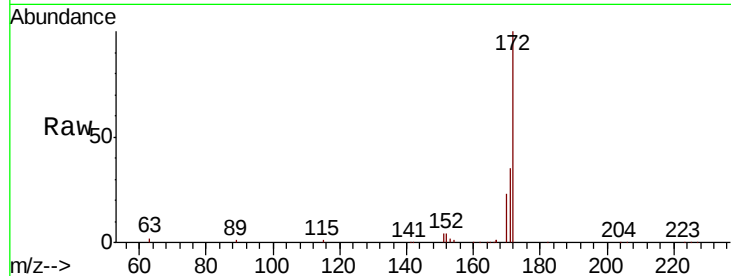
#15  
2-Fluorobiphenyl  
Concen: 0.362 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 27.4  | 41.0  |
| 170     | 23.5  | 19.1  | 28.7  |

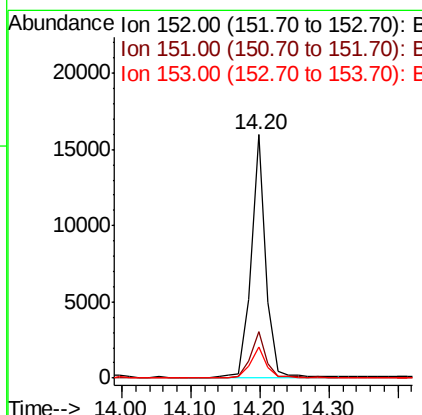
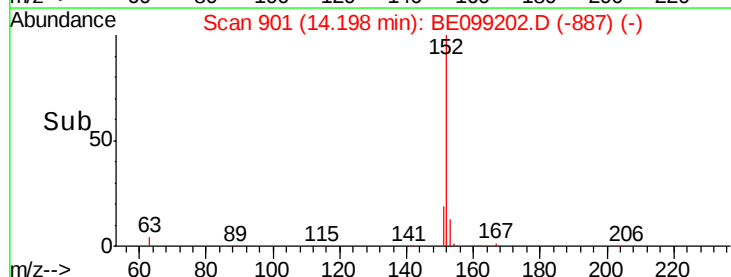
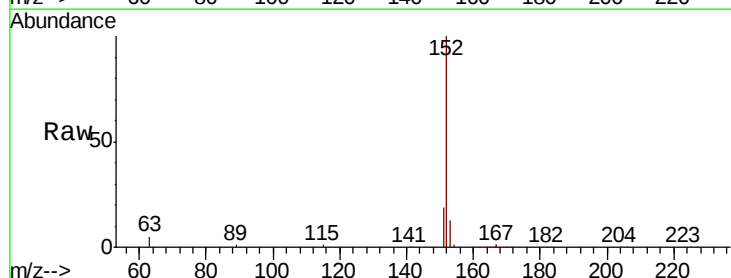
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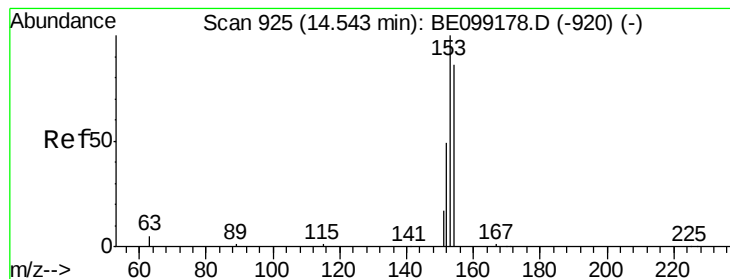
Sohil  
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#16  
Acenaphthylene  
Concen: 0.335 ng  
RT: 14.20 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 15.7  | 23.5  |
| 153     | 12.8  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.356 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA\_E

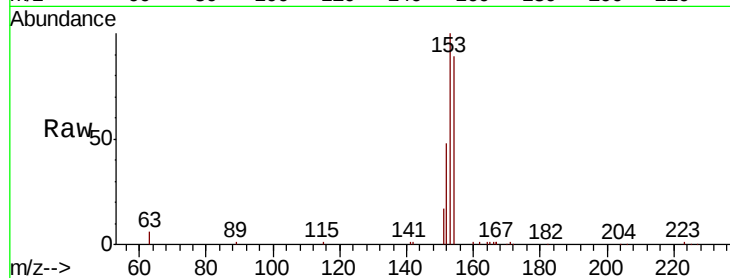
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 14965 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 115.8 | 93.4  | 140.0 |
| 152       | 56.6  | 46.6  | 69.8  |

Manual Integrations  
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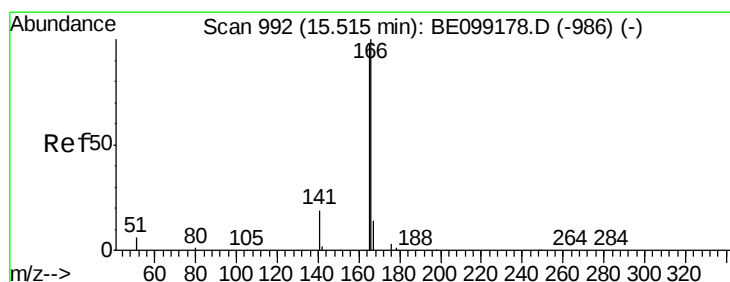
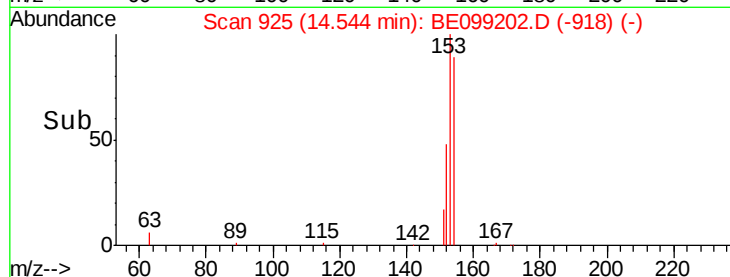
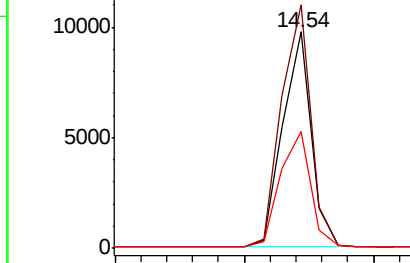


Abundance

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: 0.353 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

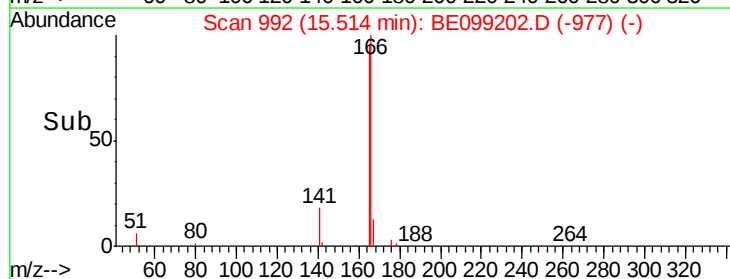
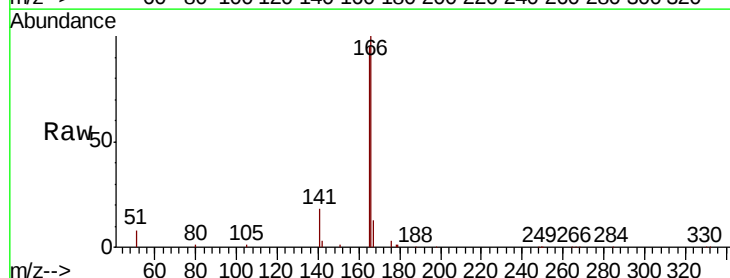
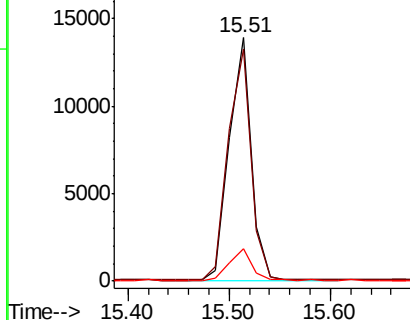
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 20884 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.3  | 78.9  | 118.3 |
| 167       | 13.0  | 10.9  | 16.3  |

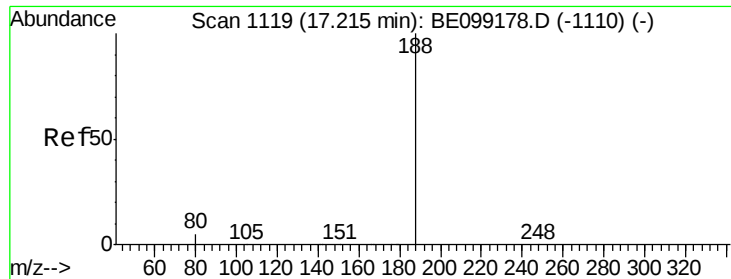
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





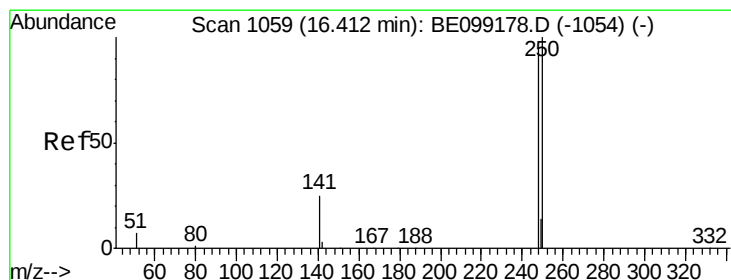
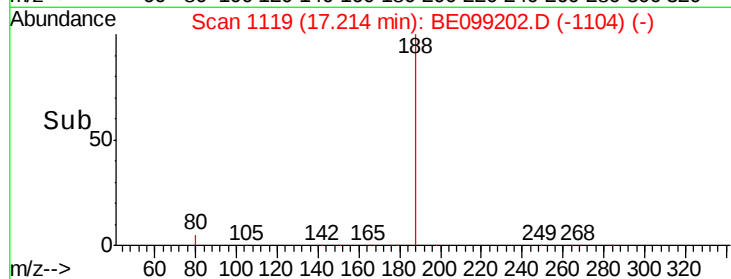
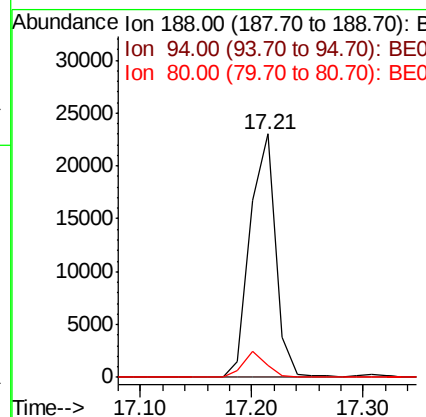
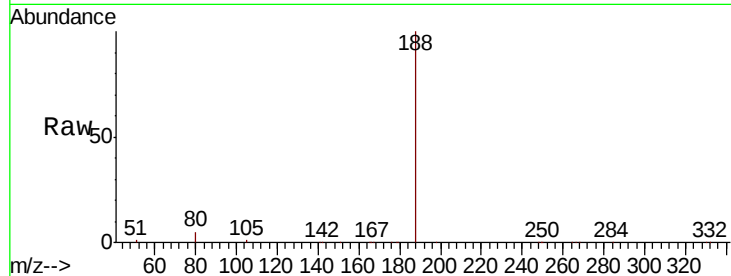
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.21 min Scan# 1119  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 36533 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 4.9   | 4.5   | 6.7   |

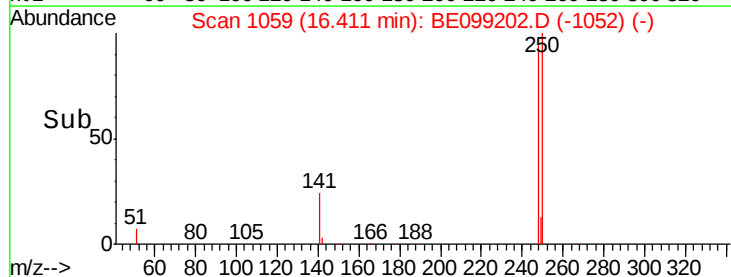
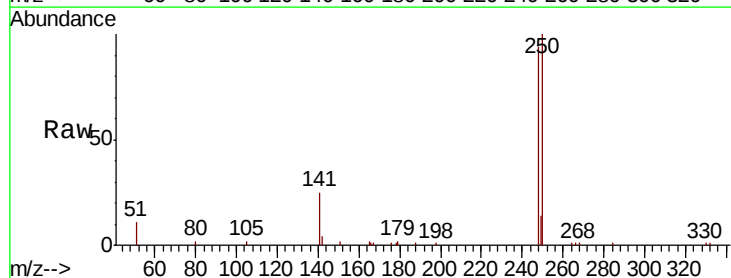
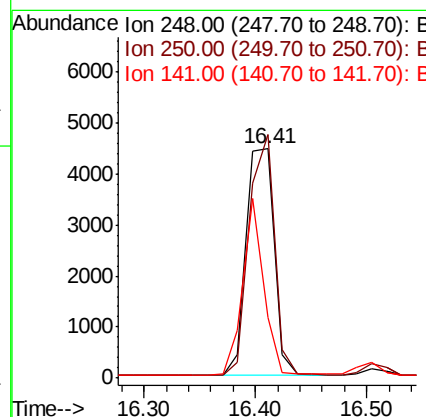
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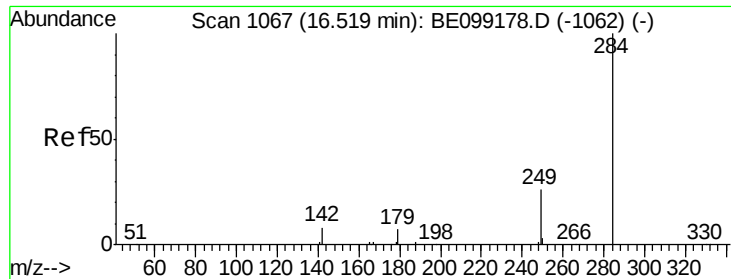
Sohil  
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#20  
4-Bromophenyl-phenylether  
Concen: 0.332 ng  
RT: 16.41 min Scan# 1059  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 7835  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 106.3 | 84.2  | 126.2 |
| 141       | 26.7  | 21.8  | 32.6  |





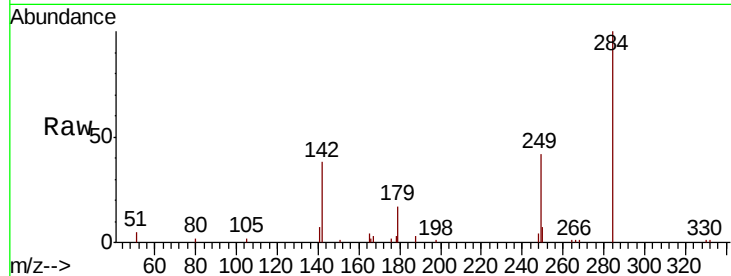
#21  
Hexachlorobenzene  
Concen: 0.333 ng  
RT: 16.50 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 29.3  | 22.7  | 34.1  |
| 249     | 33.6  | 26.9  | 40.3  |

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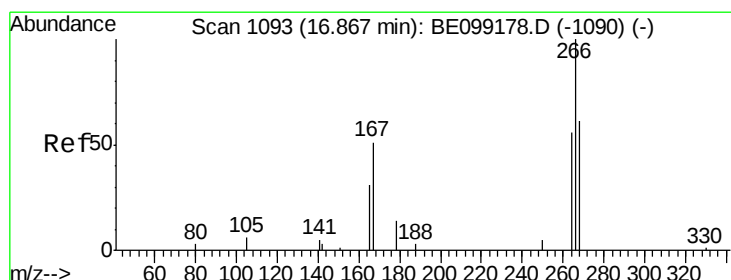
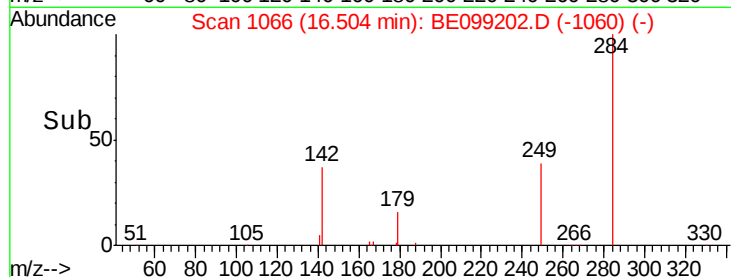
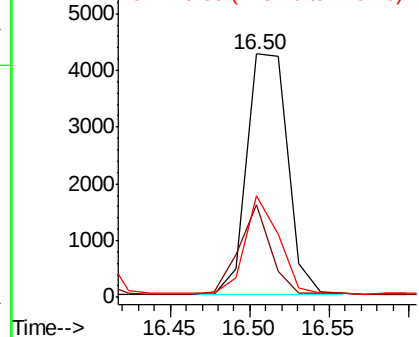


Abundance

Ion 283.80 (283.50 to 284.50): E

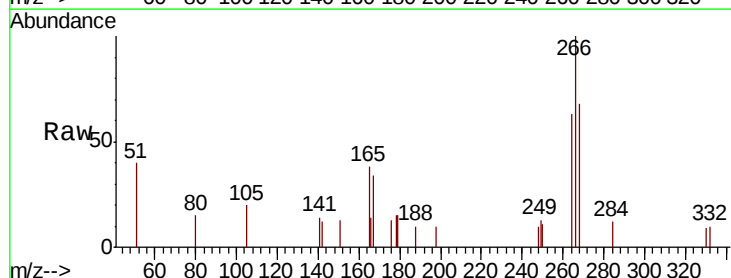
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22  
Pentachlorophenol  
Concen: 0.590 ng  
RT: 16.87 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.5  | 54.4  | 81.6  |
| 268     | 68.2  | 61.3  | 91.9  |

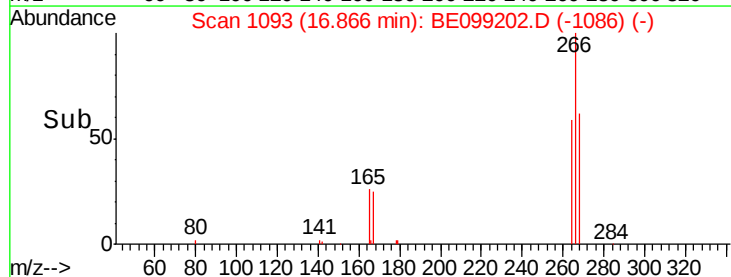
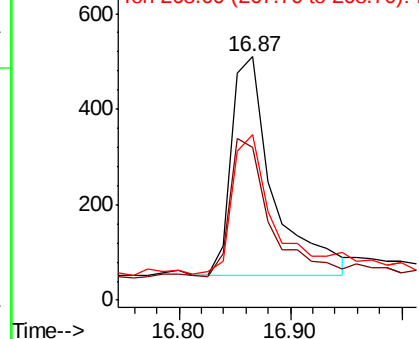


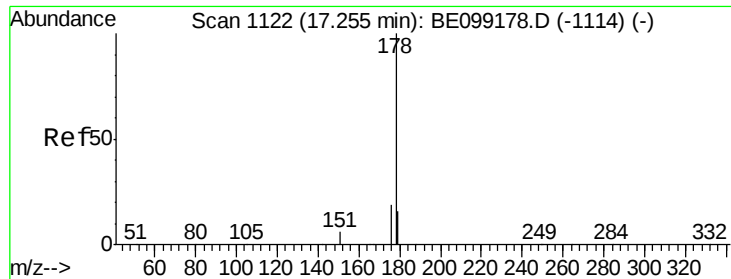
Abundance

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





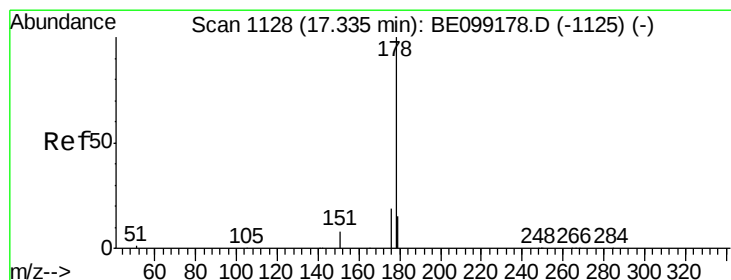
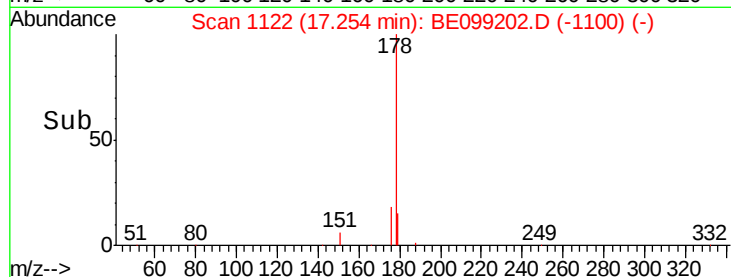
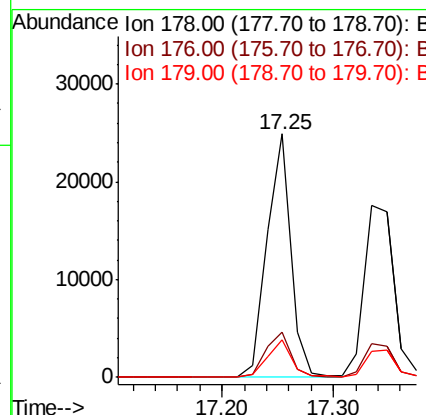
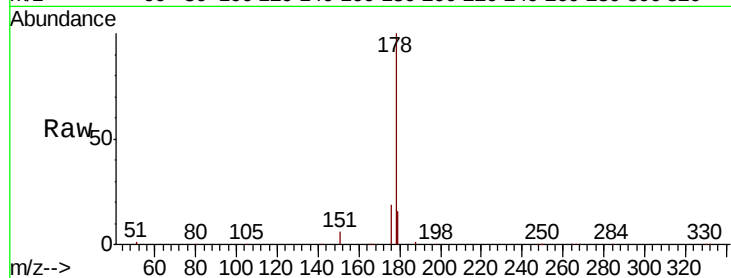
#23  
Phenanthrene  
Concen: 0.345 ng  
RT: 17.25 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.4  | 23.2  |
| 179     | 15.0  | 12.3  | 18.5  |

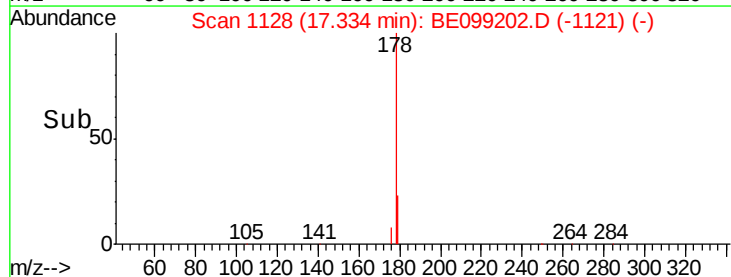
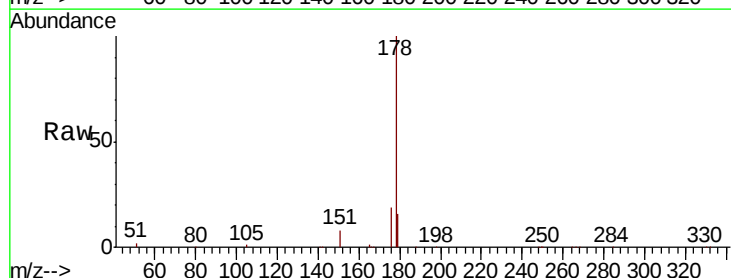
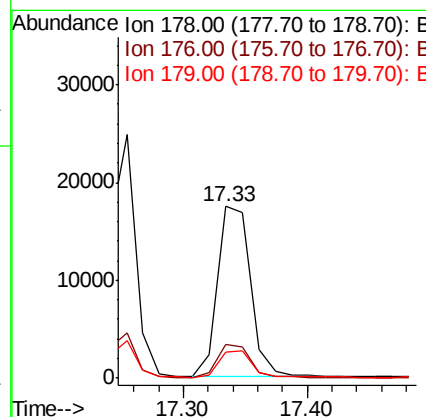
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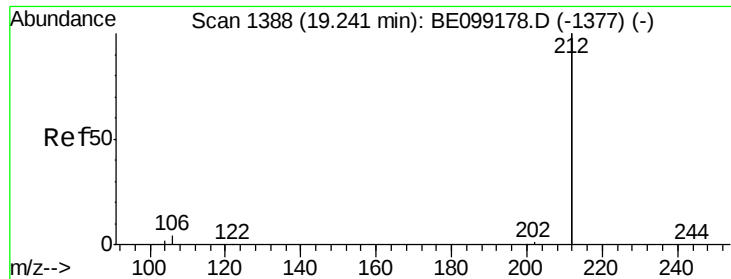
Sohil  
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#24  
Anthracene  
Concen: 0.330 ng  
RT: 17.33 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.1  | 22.7  |
| 179     | 15.3  | 12.4  | 18.6  |





#25

Fluoranthene-d10

Concen: 0.355 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA\_E

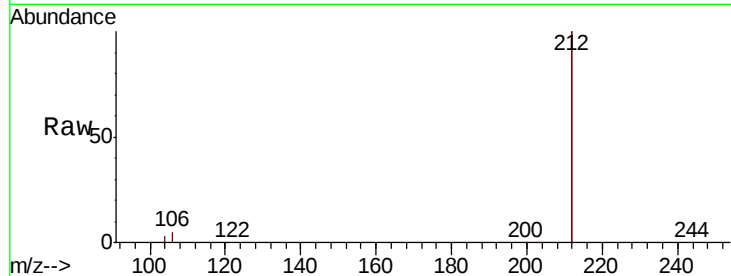
ClientSampleId :

SSTDCCC0.4EC

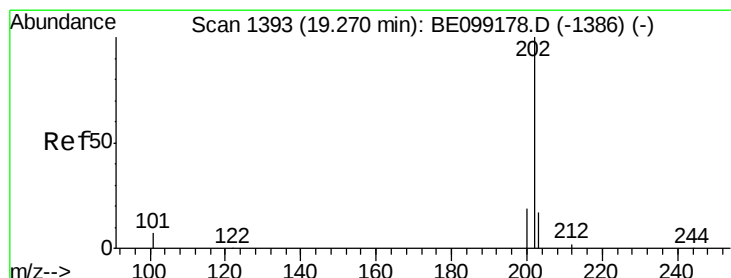
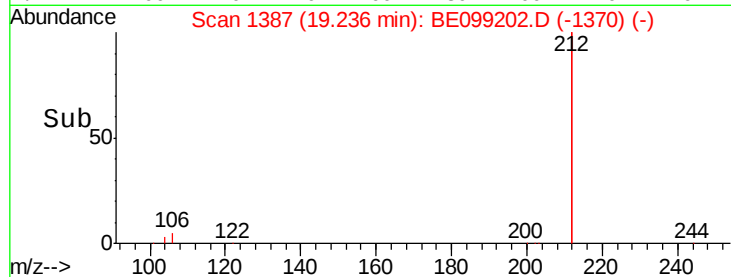
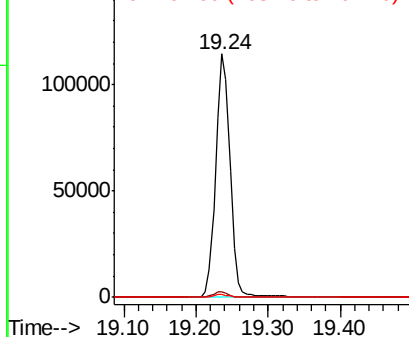
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 2.3   | 1.8   | 2.8   |
| 104     | 1.4   | 1.1   | 1.7   |

Manual Integrations  
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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: 0.344 ng

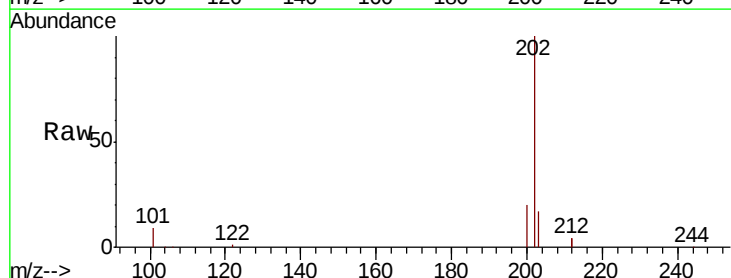
RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

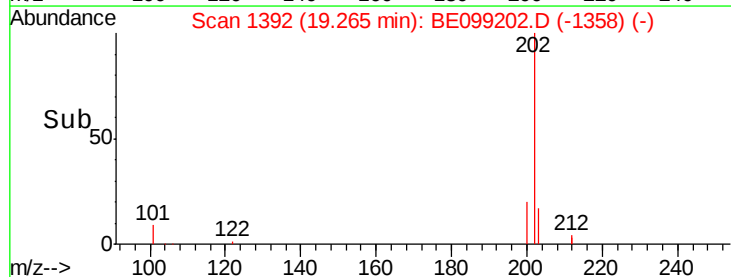
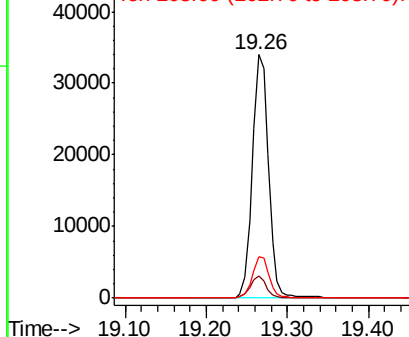
Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.6   | 7.0   | 10.4  |
| 203     | 16.8  | 13.8  | 20.6  |



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





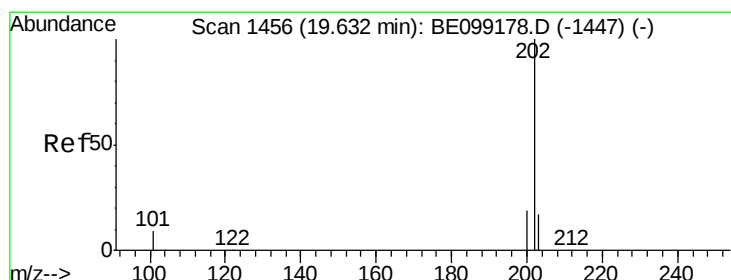
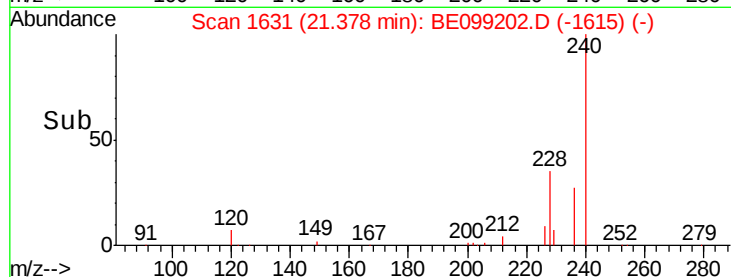
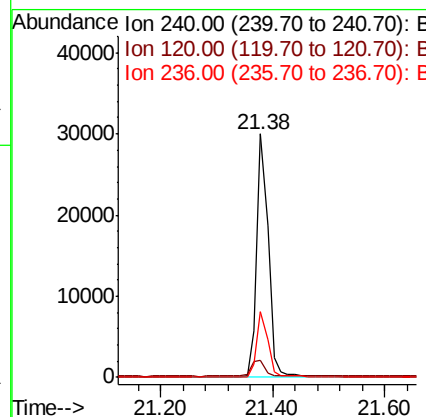
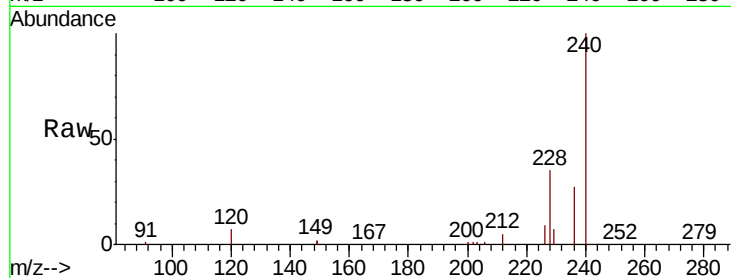
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.38 min Scan# 1631  
Delta R.T. -0.01 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.1   | 2.6   | 3.8#  |
| 236     | 27.1  | 20.9  | 31.3  |

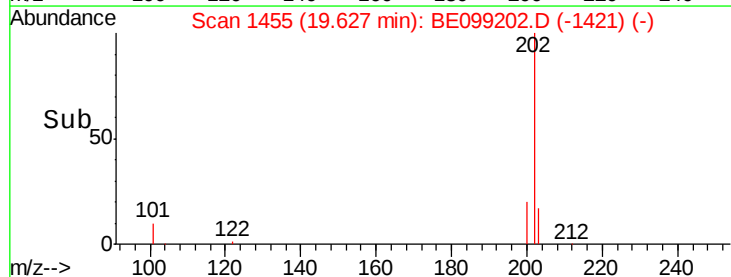
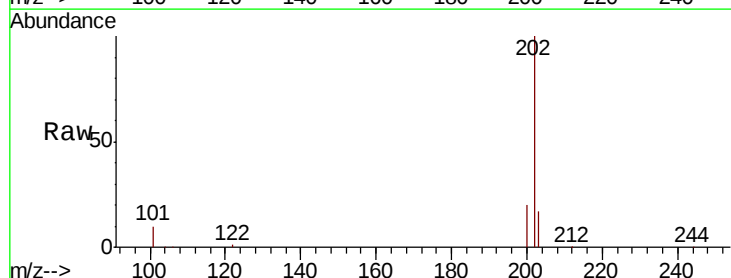
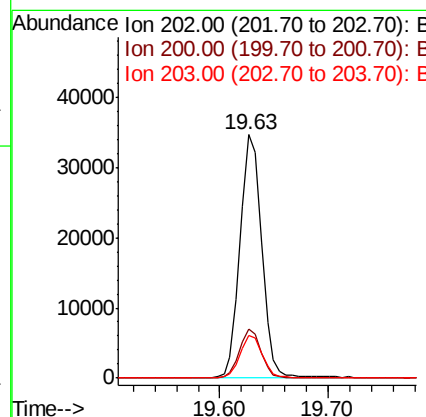
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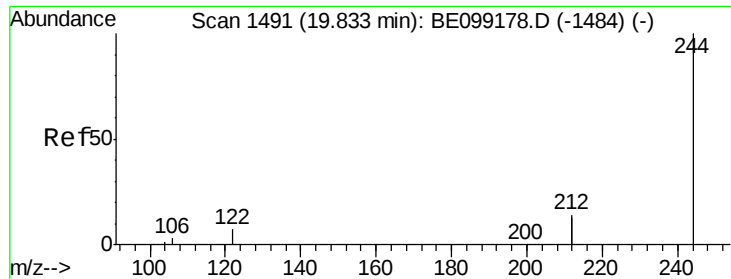
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#28  
Pyrene  
Concen: 0.336 ng  
RT: 19.63 min Scan# 1455  
Delta R.T. -0.01 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.9  | 15.8  | 23.8  |
| 203     | 17.7  | 14.1  | 21.1  |





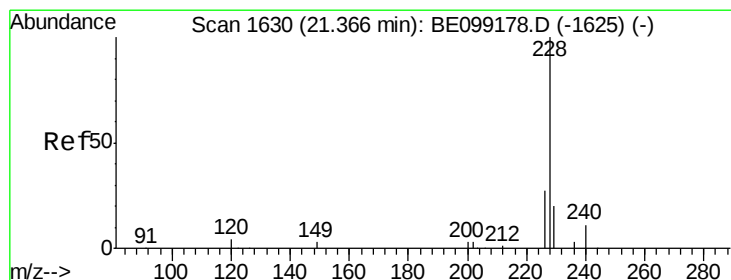
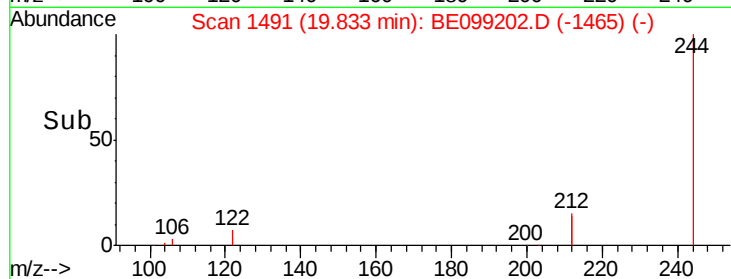
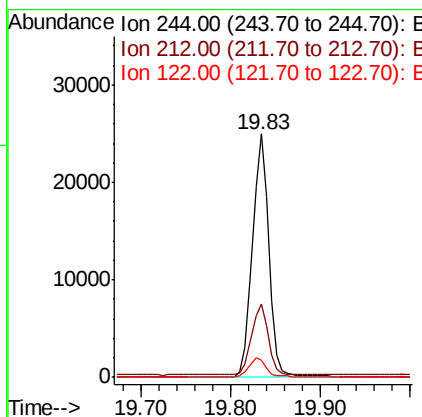
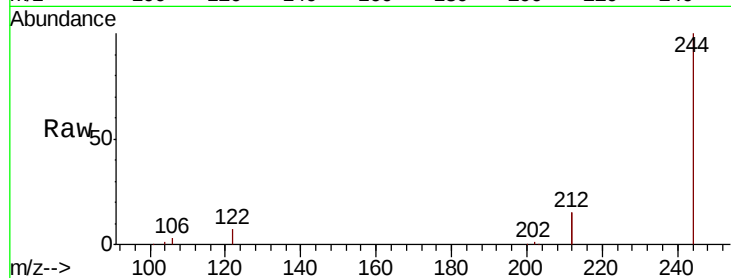
#29  
 Terphenyl-d14  
 Concen: 0.329 ng  
 RT: 19.83 min Scan# 1491  
 Delta R.T. 0.00 min  
 Lab File: BE099202.D  
 Acq: 26 Mar 2019 4:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 30.2  | 22.7  | 34.1  |
| 122     | 7.2   | 5.8   | 8.6   |

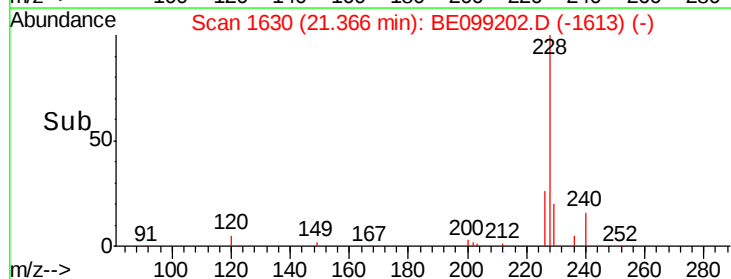
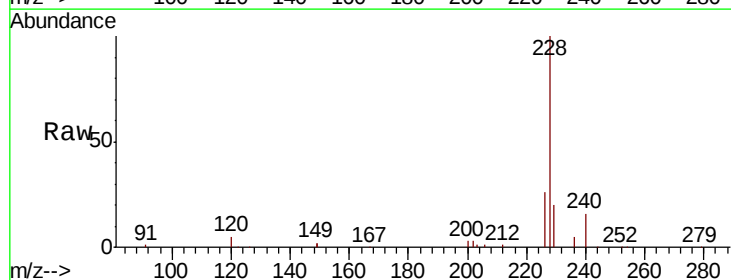
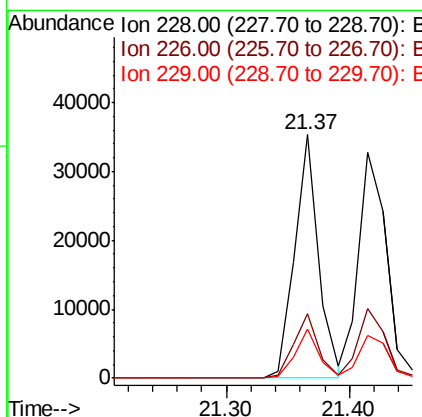
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#30  
 Benzo(a)anthracene  
 Concen: 0.336 ng  
 RT: 21.37 min Scan# 1630  
 Delta R.T. -0.00 min  
 Lab File: BE099202.D  
 Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.4  | 21.7  | 32.5  |
| 229     | 20.1  | 15.9  | 23.9  |





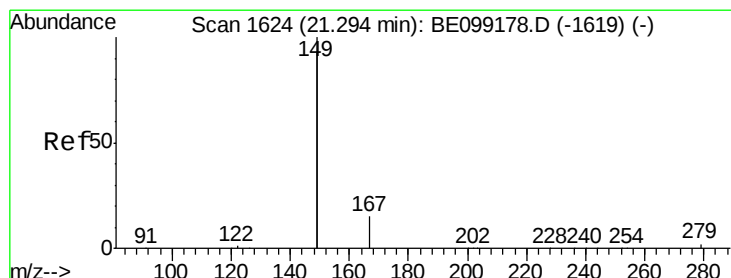
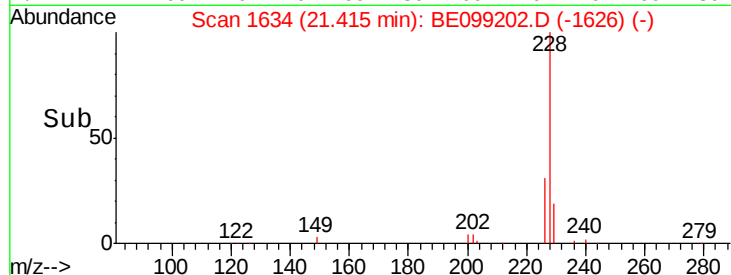
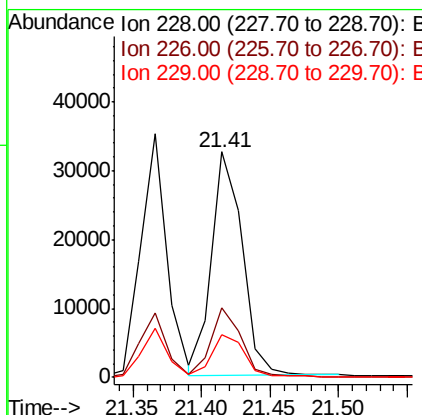
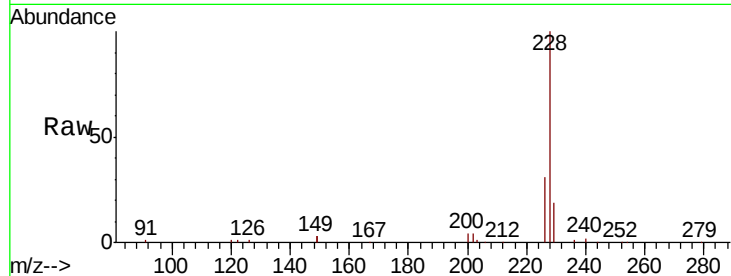
#31  
Chrysene  
Concen: 0.338 ng  
RT: 21.41 min Scan# 1634  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 24.8  | 37.2  |
| 229     | 18.7  | 15.4  | 23.0  |

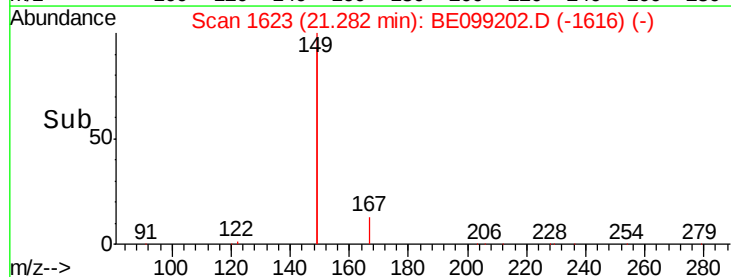
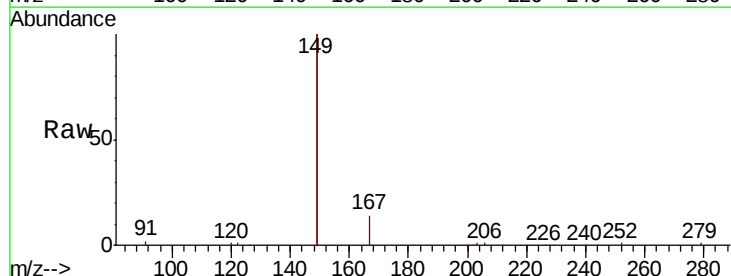
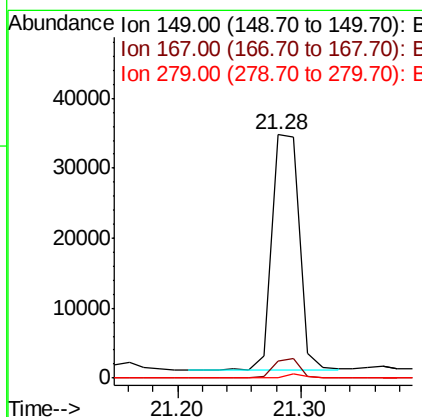
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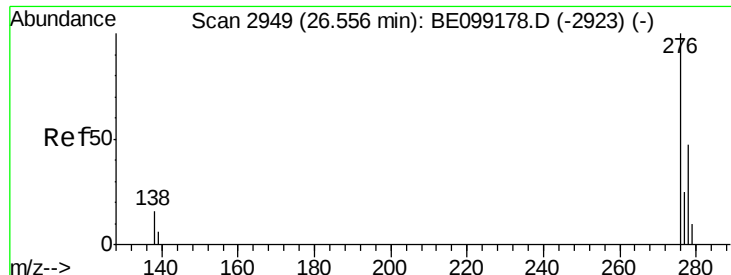
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.311 ng  
RT: 21.28 min Scan# 1623  
Delta R.T. -0.01 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.5   | 5.9   | 8.9   |
| 279     | 1.1   | 1.0   | 1.6   |





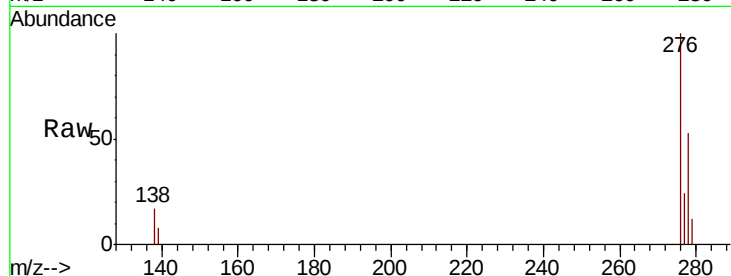
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.288 ng  
RT: 26.56 min Scan# 2949  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.4  | 12.9  | 19.3  |
| 277     | 25.4  | 18.3  | 27.5  |

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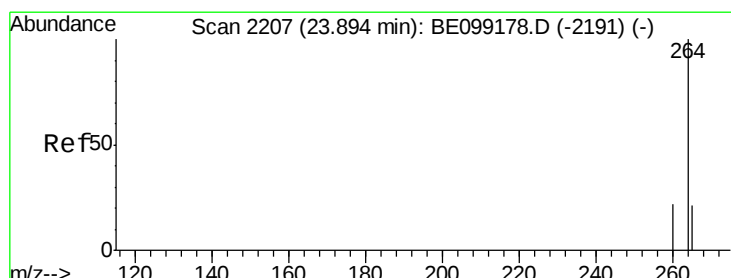
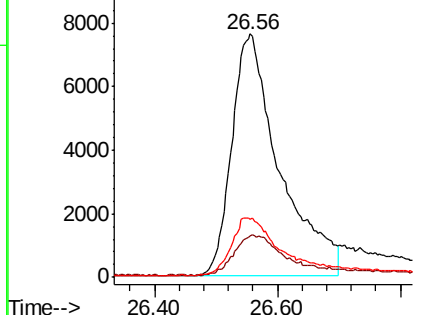
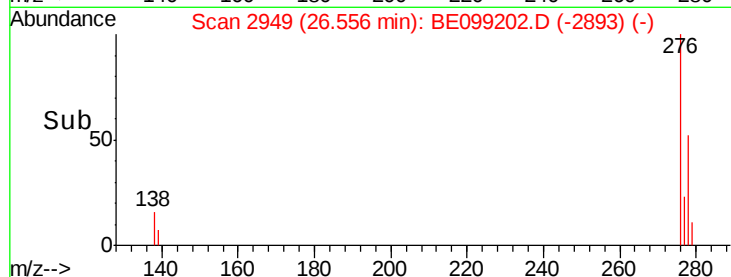


Abundance

Ion 276.00 (275.70 to 276.70): E

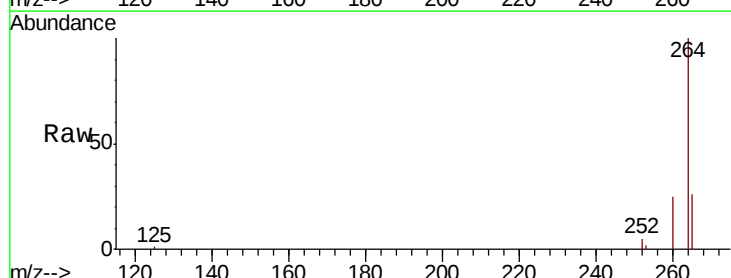
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.89 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 18.2  | 27.2  |
| 265     | 25.7  | 21.8  | 32.8  |

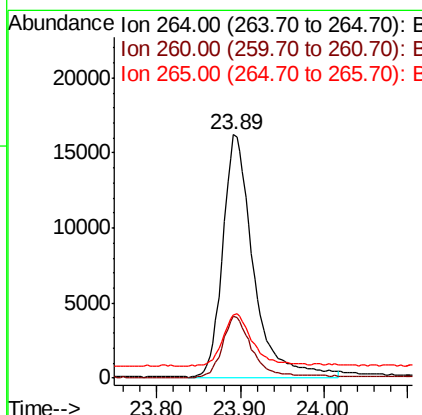
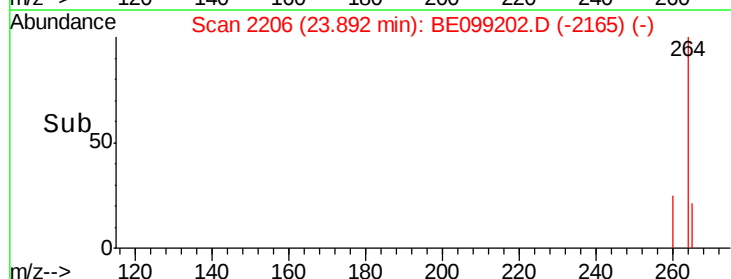


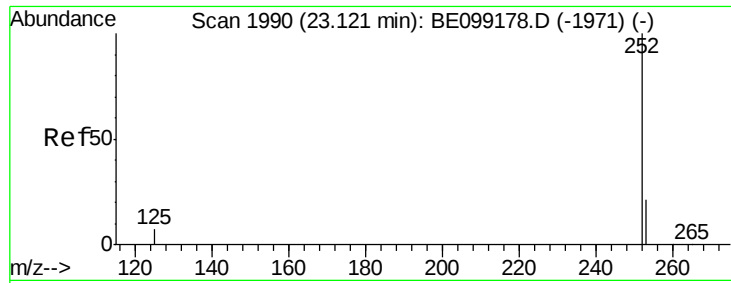
Abundance

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: 0.326 ng m

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA\_E

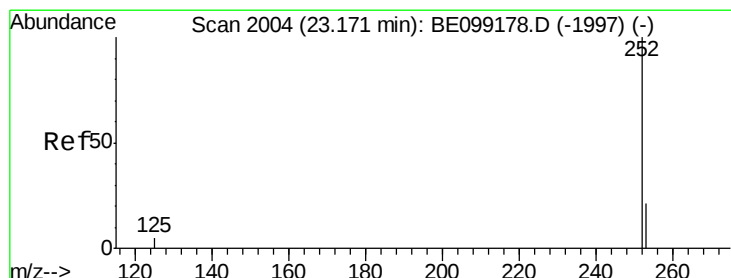
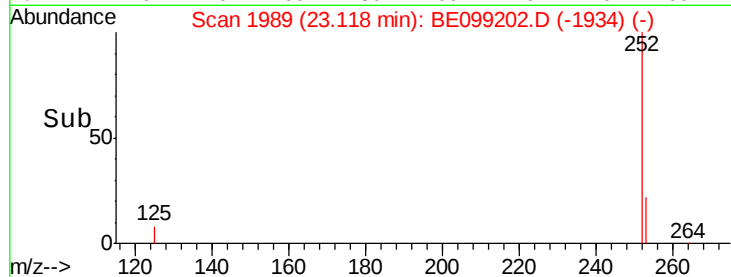
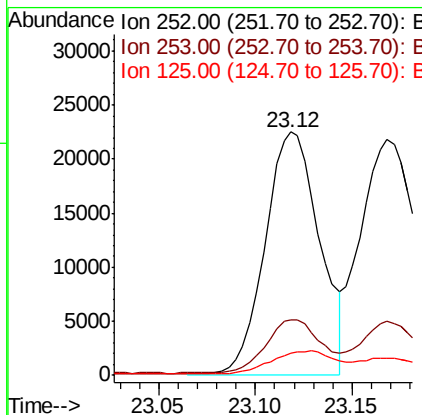
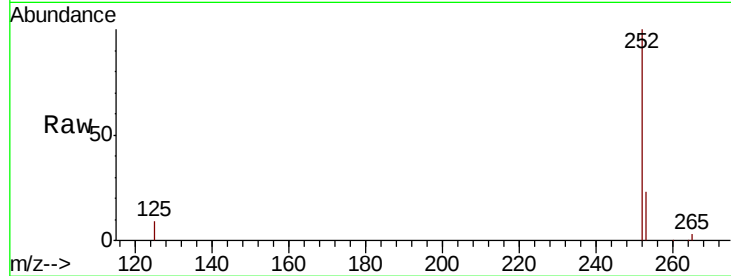
ClientSampleId :

SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.8  | 26.8  |
| 125     | 9.3   | 6.1   | 9.1   |

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#36

Benzo(k)fluoranthene

Concen: 0.361 ng

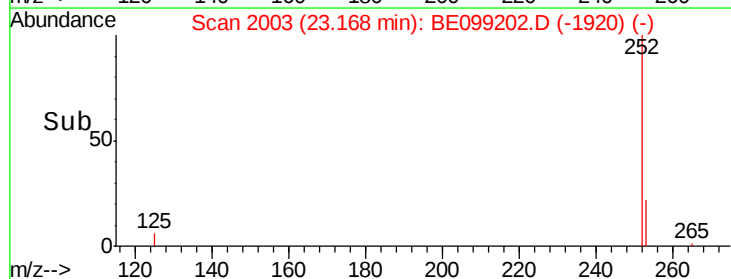
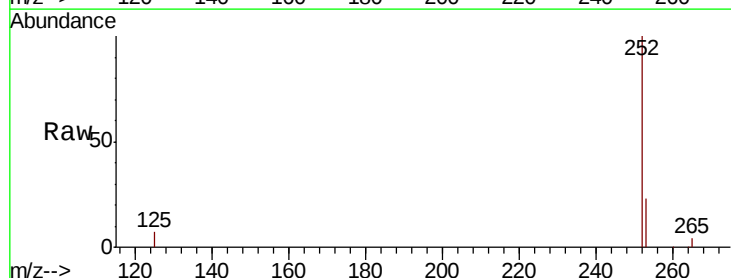
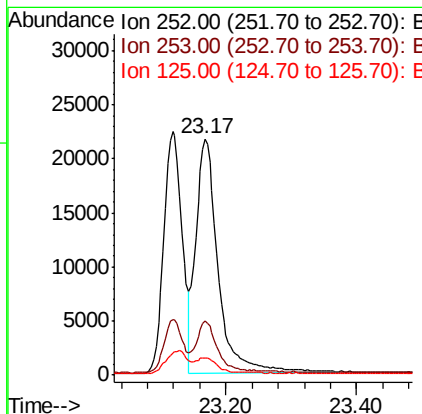
RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.8  | 26.6  |
| 125     | 7.3   | 5.9   | 8.9   |





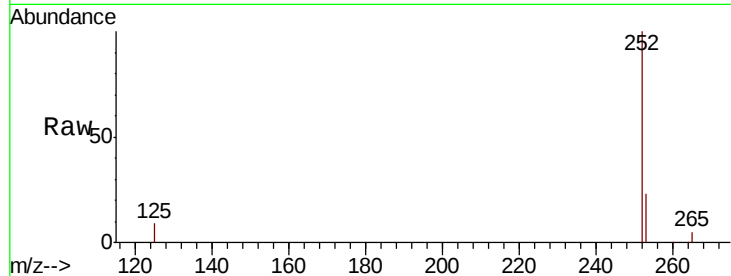
#37  
Benzo(a)pyrene  
Concen: 0.339 ng  
RT: 23.78 min Scan# 2175  
Delta R.T. 0.00 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.1  | 27.1  |
| 125     | 9.2   | 6.8   | 10.2  |

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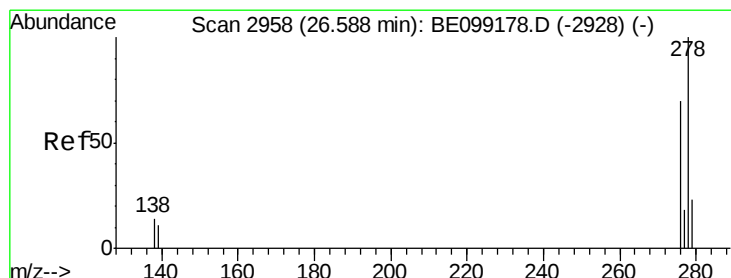
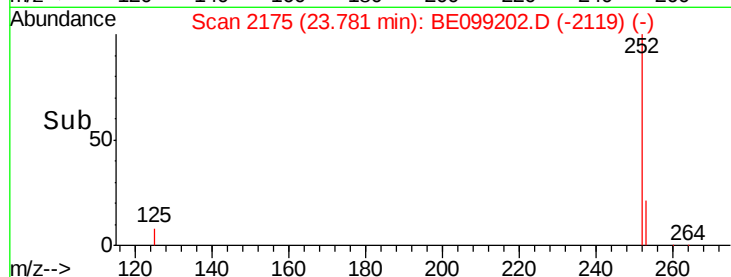
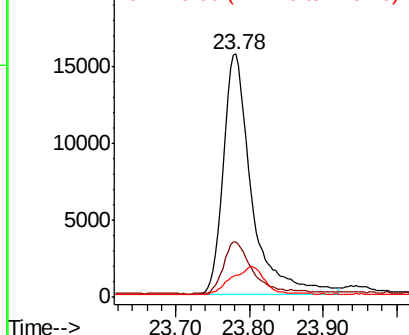


Abundance

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: 0.296 ng  
RT: 26.57 min Scan# 2954  
Delta R.T. -0.02 min  
Lab File: BE099202.D  
Acq: 26 Mar 2019 4:59

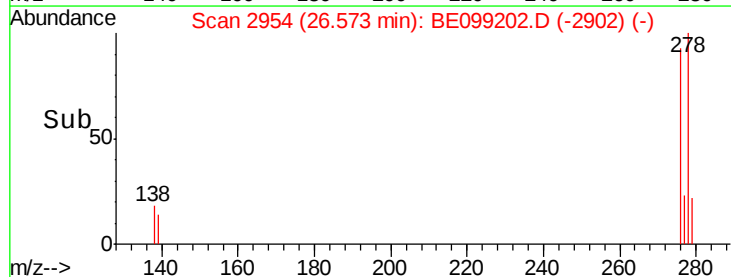
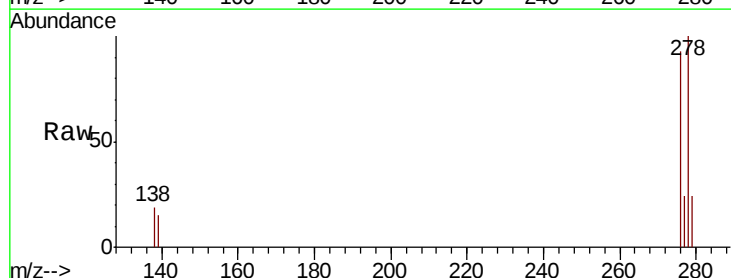
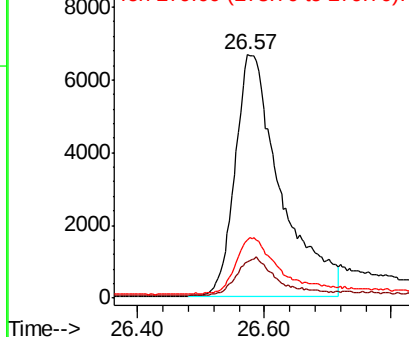
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.8  | 9.5   | 14.3# |
| 279     | 23.9  | 19.1  | 28.7  |

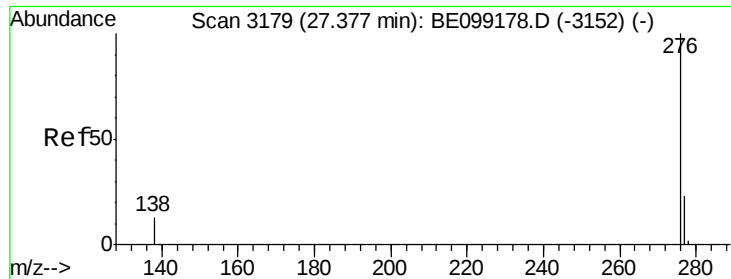
Abundance

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: 0.307 ng  
 RT: 27.37 min Scan# 3177  
 Delta R.T. -0.01 min  
 Lab File: BE099202.D  
 Acq: 26 Mar 2019 4:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.1  | 19.0  | 28.4  |
| 138     | 15.4  | 11.1  | 16.7  |

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