

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121919\  
 Data File : BE100955.D  
 Acq On : 19 Dec 2019 20:52  
 Operator : JU  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Manual Integrations  
 APPROVED

Sohil  
 12/20/2019 4:26:58 PM

Quant Time: Dec 20 00:54:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 20 00:29:37 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.75  | 152  | 1864     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 9426     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.38 | 164  | 6480     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 13836    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.29 | 240  | 14271    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.73 | 264  | 19366    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 296      | 0.07  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.02  | 99   | 204      | 0.03  | ng    | 0.05     |
| 8) Nitrobenzene-d5             | 8.95  | 82   | 347      | 0.08  | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10    | 12.14 | 152  | 1401     | 0.10  | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol       | 15.88 | 330  | 108      | 0.15  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.03 | 172  | 2153     | 0.08  | ng    | 0.01     |
| 25) Fluoranthene-d10           | 19.15 | 212  | 16137    | 0.10  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.76 | 244  | 3092     | 0.09  | ng    | 0.01     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.31  | 88   | 1385     | 0.408 | ng    | # 79     |
| 6) bis(2-Chloroethyl)ether     | 7.19  | 93   | 255      | 0.040 | ng    | # 1      |
| 9) Naphthalene                 | 10.58 | 128  | 10207    | 0.102 | ng    | # 94     |
| 10) Hexachlorobutadiene        | 10.86 | 225  | 494      | 0.126 | ng    | 94       |
| 12) 2-Methylnaphthalene        | 12.22 | 142  | 1143     | 0.073 | ng    | # 89     |
| 16) Acenaphthylene             | 14.11 | 152  | 2286     | 0.085 | ng    | 97       |
| 17) Acenaphthene               | 14.44 | 154  | 1682     | 0.091 | ng    | 96       |
| 18) Fluorene                   | 15.42 | 166  | 2008     | 0.084 | ng    | 99       |
| 20) 4-Bromophenyl-phenylether  | 16.32 | 248  | 590      | 0.087 | ng    | # 89     |
| 21) Hexachlorobenzene          | 16.43 | 284  | 722      | 0.098 | ng    | 98       |
| 23) Phenanthrene               | 17.16 | 178  | 3263     | 0.078 | ng    | 98       |
| 24) Anthracene                 | 17.26 | 178  | 1542     | 0.044 | ng    | 95       |
| 26) Fluoranthene               | 19.18 | 202  | 4746     | 0.095 | ng    | 97       |
| 28) Pyrene                     | 19.54 | 202  | 4988     | 0.108 | ng    | 100      |
| 30) Benzo(a)anthracene         | 21.28 | 228  | 2892     | 0.069 | ng    | 94       |
| 31) Chrysene                   | 21.33 | 228  | 4513m    | 0.091 | ng    |          |
| 32) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 14391    | 0.377 | ng    | 99       |
| 33) Indeno(1,2,3-cd)pyrene     | 26.31 | 276  | 3517     | 0.082 | ng    | # 88     |
| 35) Benzo(b)fluoranthene       | 22.99 | 252  | 3367     | 0.064 | ng    | # 79     |
| 36) Benzo(k)fluoranthene       | 23.04 | 252  | 4636m    | 0.078 | ng    |          |
| 37) Benzo(a)pyrene             | 23.63 | 252  | 3712m    | 0.081 | ng    |          |
| 38) Dibenzo(a,h)anthracene     | 26.33 | 278  | 2955m    | 0.065 | ng    |          |
| 39) Benzo(g,h,i)perylene       | 27.08 | 276  | 4488     | 0.092 | ng    | # 85     |

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

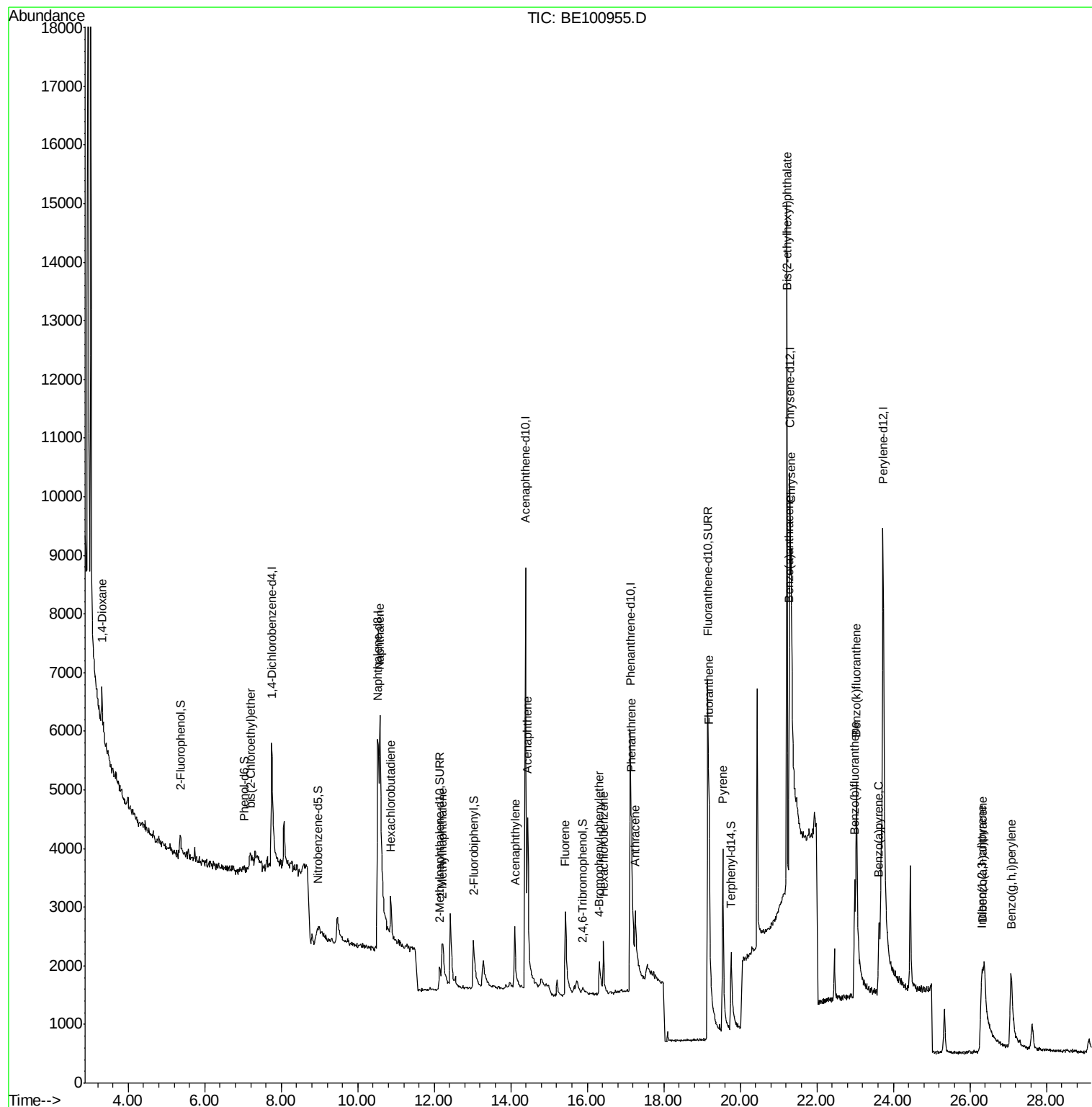
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121919\  
Data File : BE100955.D  
Acq On : 19 Dec 2019 20:52  
Operator : JU  
Sample : SSTDICC0.1  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

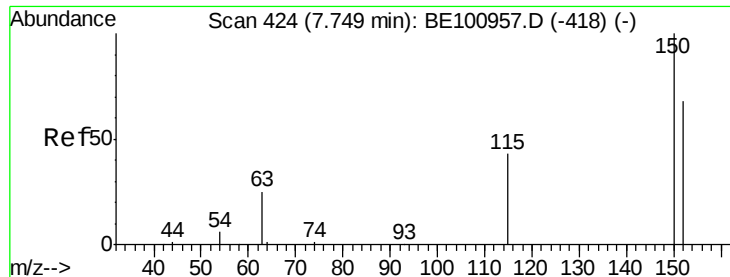
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.1

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Quant Time: Dec 20 00:54:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 20 00:29:37 2019  
Response via : Initial Calibration





#1

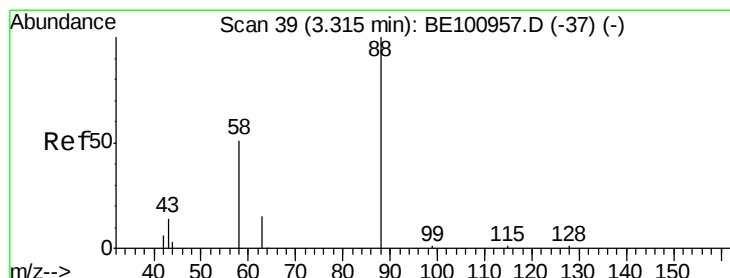
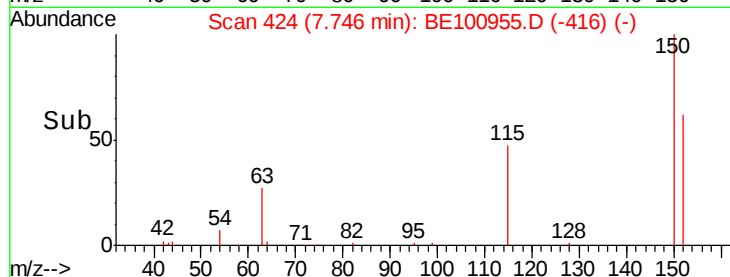
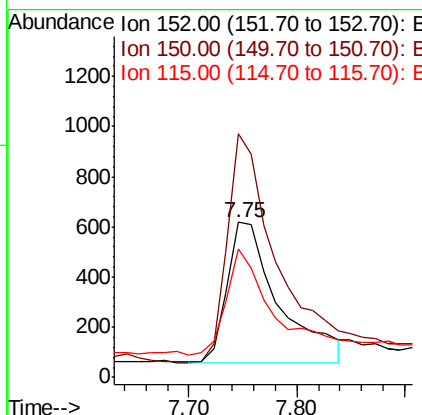
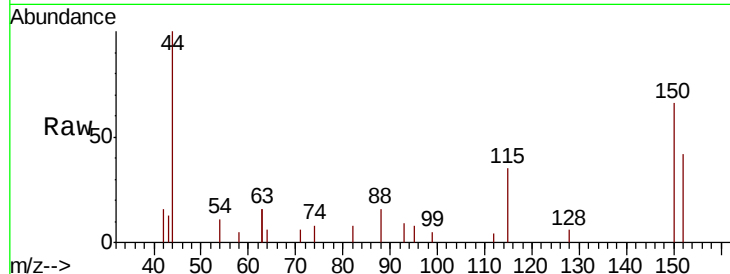
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.75 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.4 | 116.7 | 175.1 |
| 115     | 82.8  | 55.7  | 83.5  |

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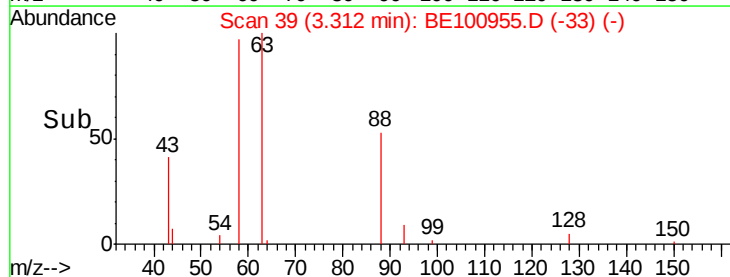
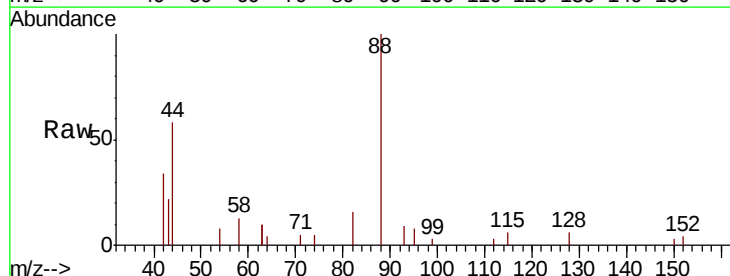
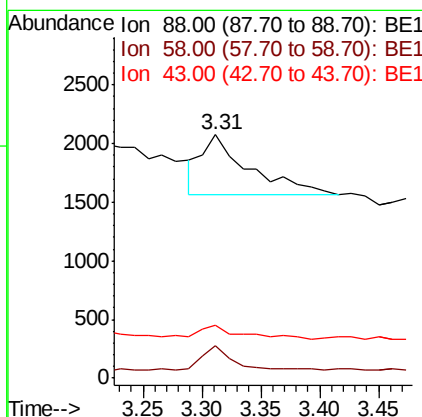
Sohil  
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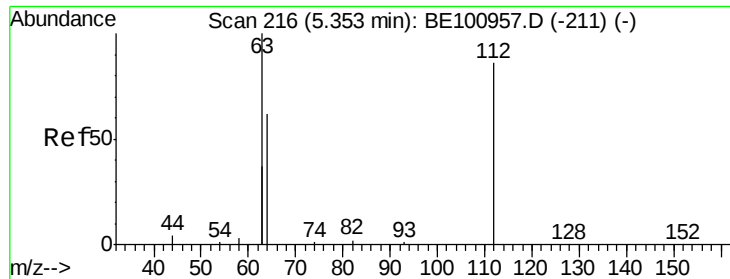


#2

1,4-Dioxane  
Concen: 0.408 ng  
RT: 3.31 min Scan# 39  
Delta R.T. -0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 27.1  | 38.6  | 57.8# |
| 43      | 24.5  | 20.5  | 30.7  |





#4

2-Fluorophenol

Concen: 0.067 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

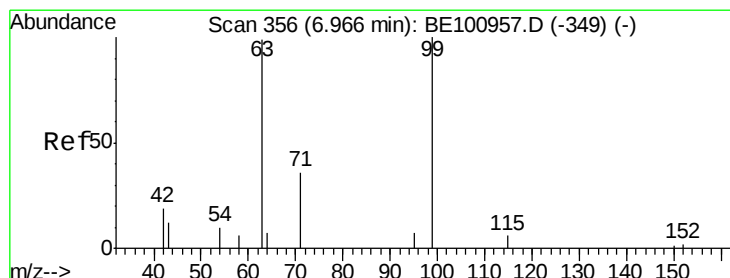
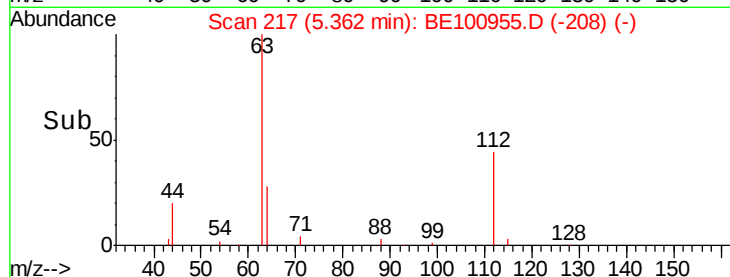
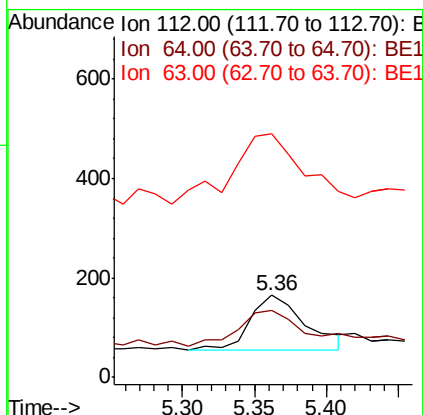
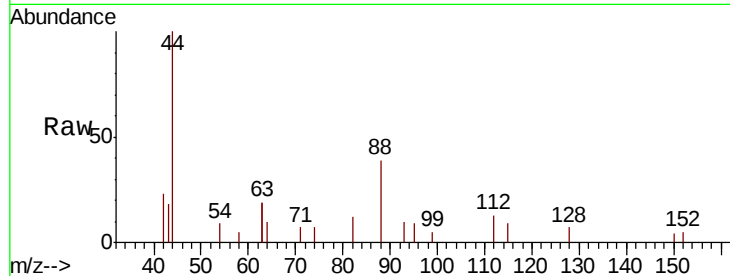
ClientSampleId :

SSTDIC0.1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 112   | Resp: | 296   |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 70.6  | 58.6  | 88.0  |
| 63        | 165.2 | 121.0 | 181.6 |

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#5

Phenol-d6

Concen: 0.031 ng

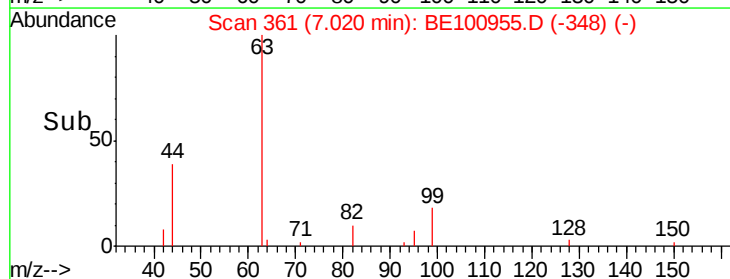
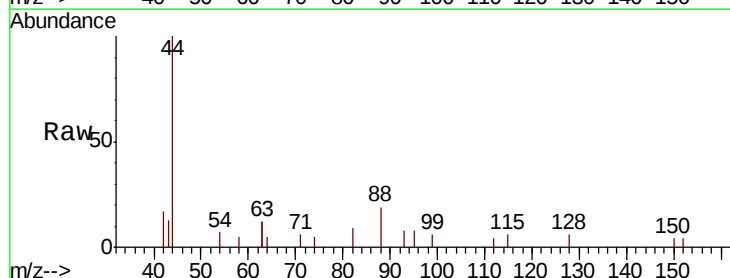
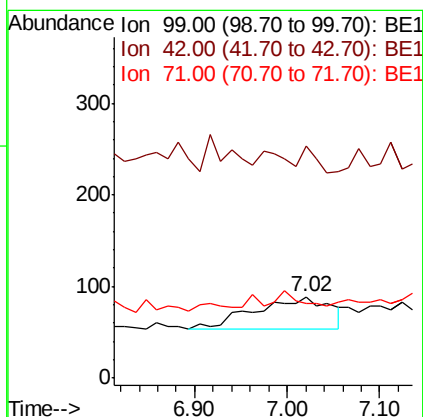
RT: 7.02 min Scan# 361

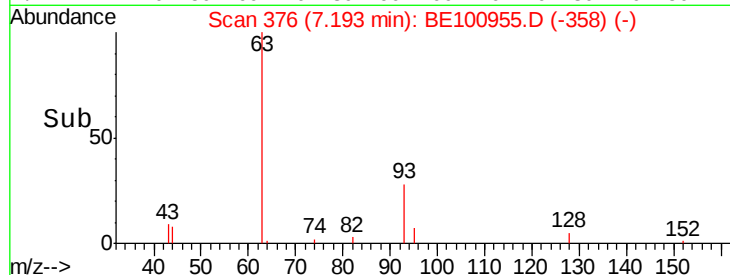
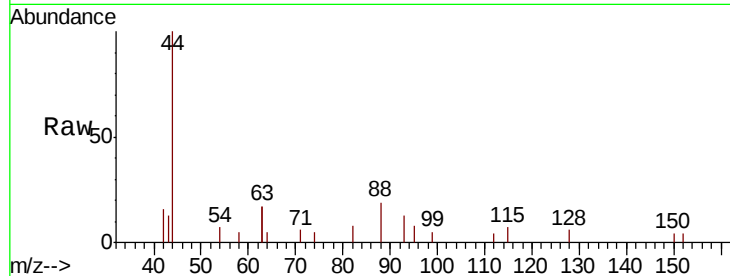
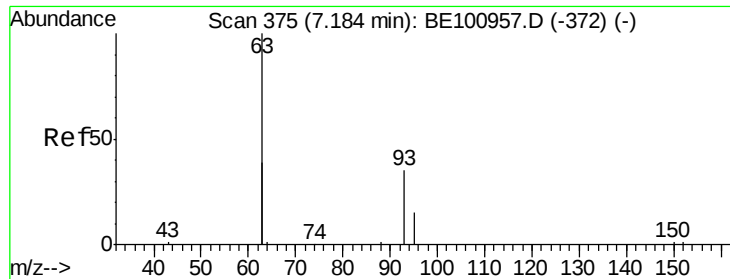
Delta R.T. 0.05 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 99    | Resp: | 204  |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 15.2  | 10.2  | 15.2 |
| 71        | 0.0   | 0.0   | 0.0  |





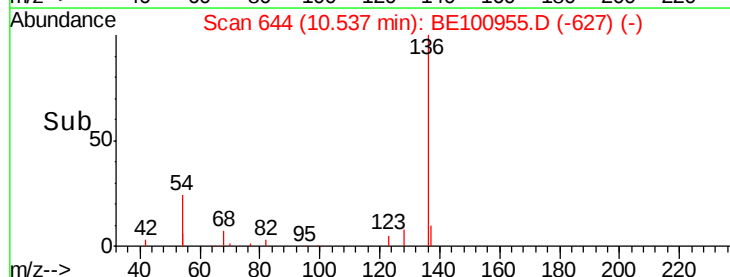
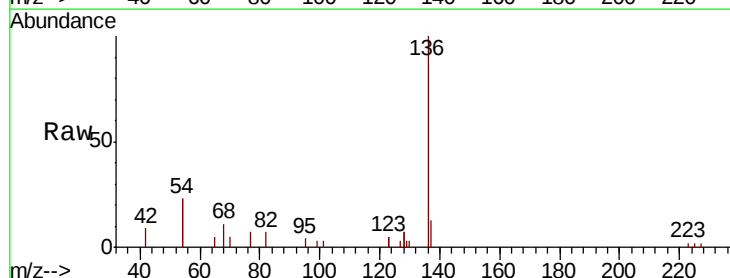
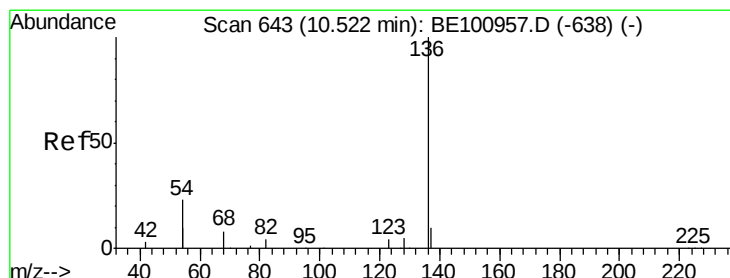
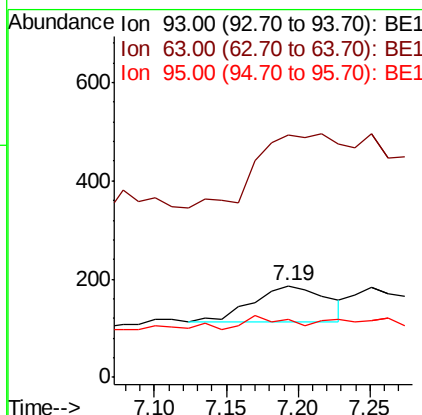
#6  
bis(2-Chloroethyl)ether  
Concen: 0.040 ng  
RT: 7.19 min Scan# 376  
Delta R.T. 0.01 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 255    |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 0.0   | 209.4 | 314.2# |
| 95       | 0.0   | 28.6  | 42.8#  |

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

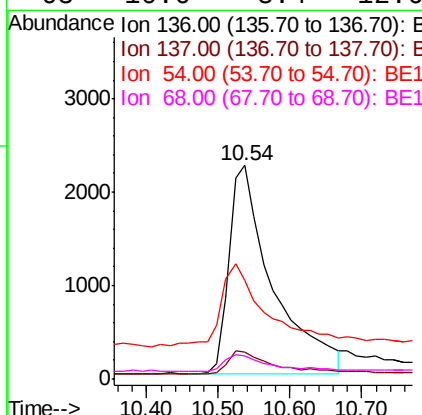
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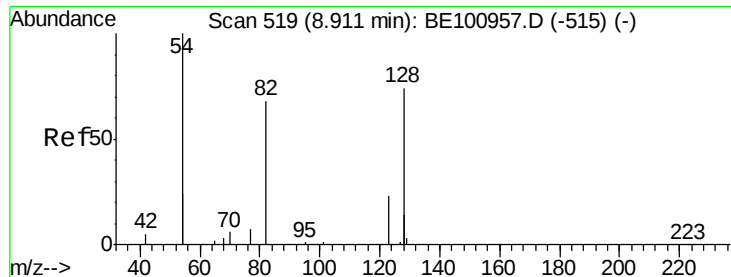
Sohil  
12/20/2019 4:26:58 PM



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.54 min Scan# 644  
Delta R.T. 0.01 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 9426  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.8  | 9.6   | 14.4  |
| 54       | 45.9  | 36.2  | 54.4  |
| 68       | 10.6  | 8.4   | 12.6  |





#8

Nitrobenzene-d5

Concen: 0.077 ng

RT: 8.95 min Scan# 522

Delta R.T. 0.04 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

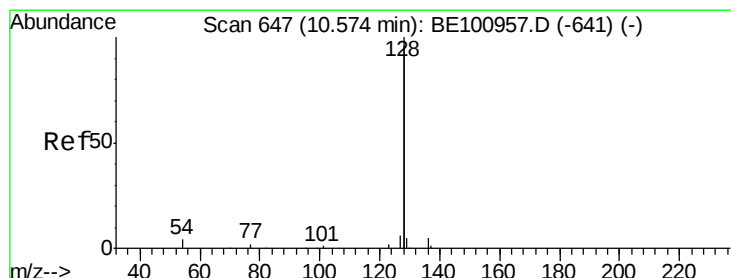
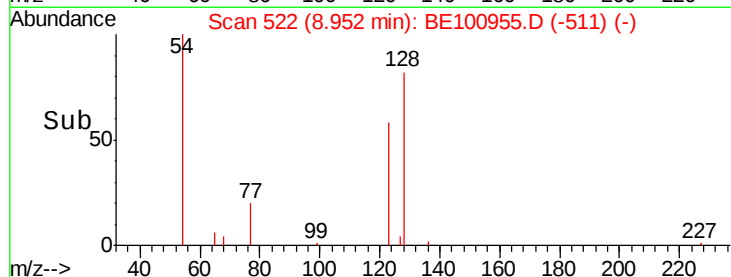
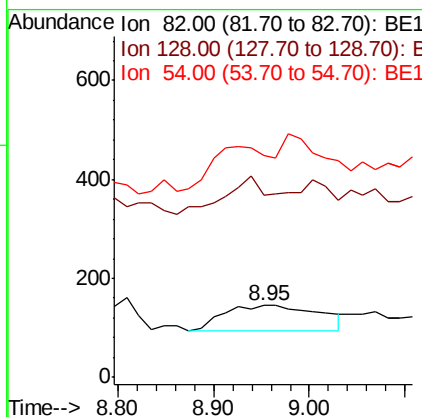
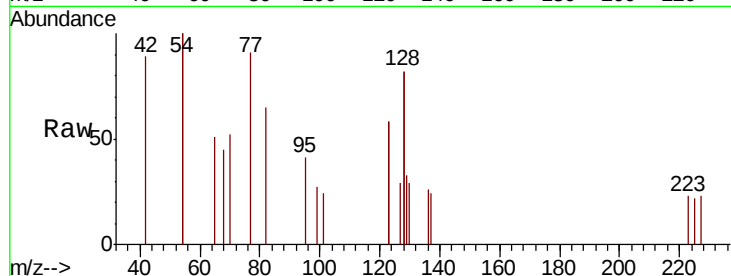
ClientSampled :

SSTDICC0.1

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 347    |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 253.8 | 135.0 | 202.6# |
| 54       | 309.0 | 182.6 | 274.0# |

Manual Integrations  
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#9

Naphthalene

Concen: 0.102 ng

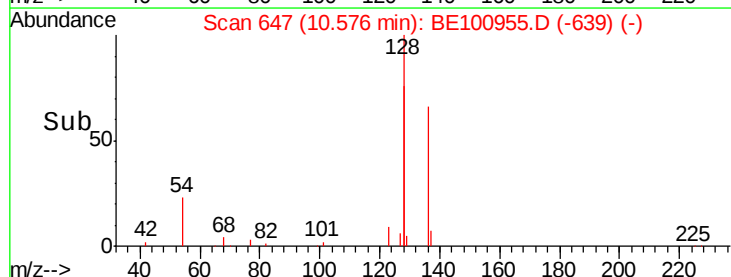
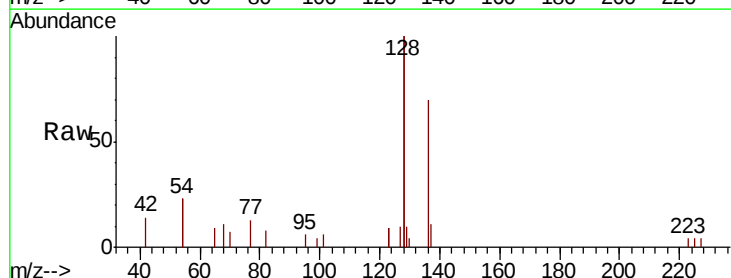
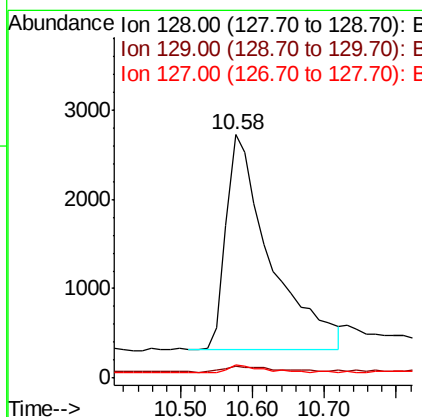
RT: 10.58 min Scan# 647

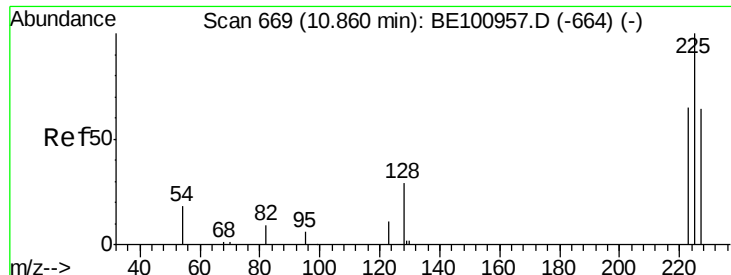
Delta R.T. 0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 10207 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 5.0   | 2.5   | 3.7#  |
| 127      | 5.2   | 2.7   | 4.1#  |





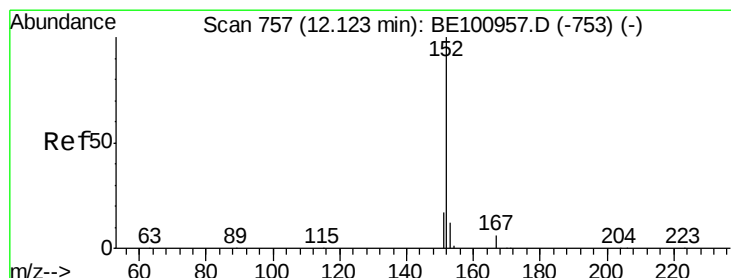
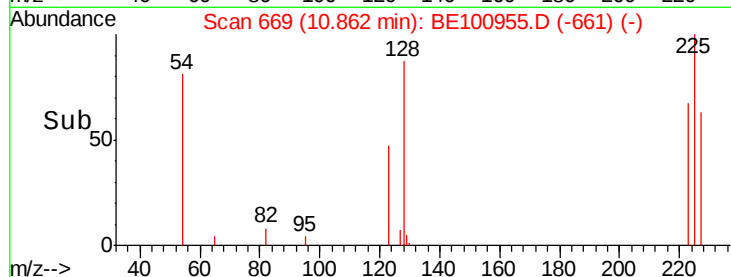
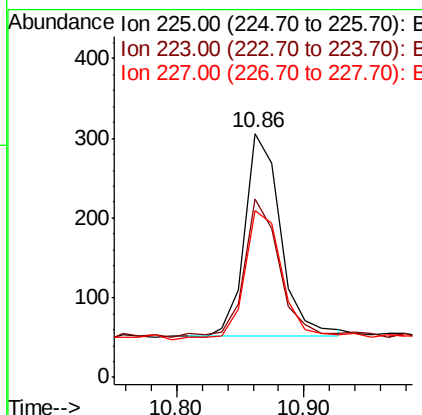
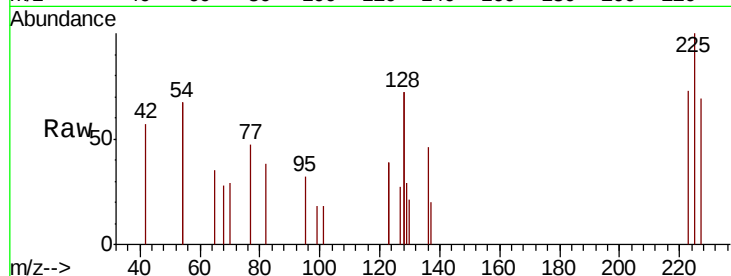
#10  
Hexachlorobutadiene  
Concen: 0.126 ng  
RT: 10.86 min Scan# 669  
Delta R.T. 0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.2  | 49.4  | 74.2  |
| 227     | 67.2  | 50.3  | 75.5  |

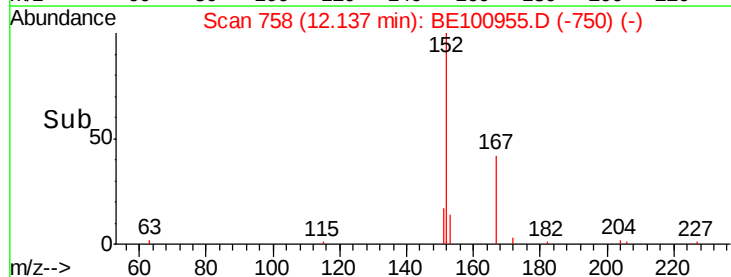
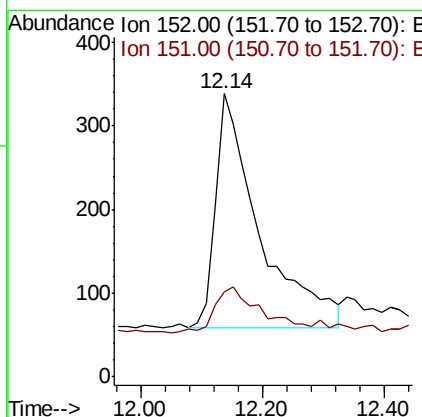
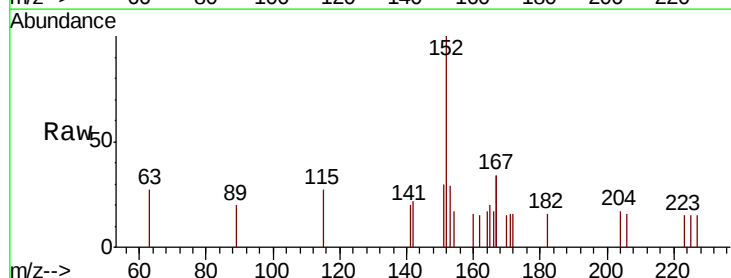
Manual Integrations  
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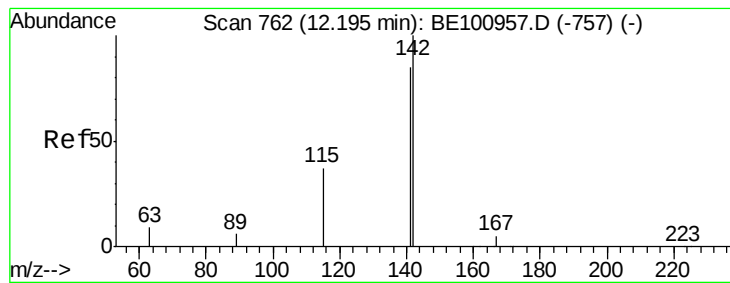
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12/20/2019 4:26:58 PM



#11  
2-Methylnaphthalene-d10  
Concen: 0.103 ng  
RT: 12.14 min Scan# 758  
Delta R.T. 0.01 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.2  | 15.0  | 22.4  |





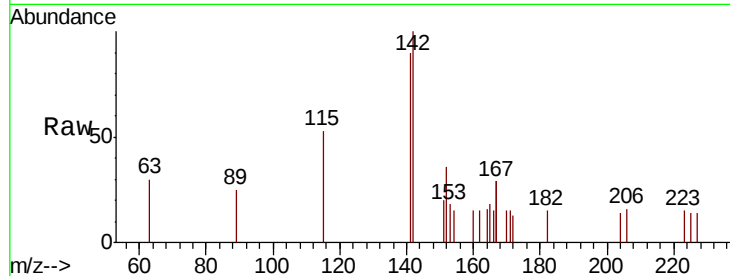
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2-Methylnaphthalene  
Concen: 0.073 ng  
RT: 12.22 min Scan# 764  
Delta R.T. 0.03 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 67.8  | 101.8 |
| 115     | 53.4  | 31.7  | 47.5  |

Manual Integrations  
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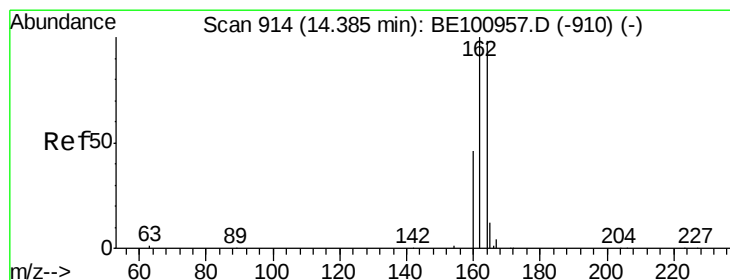
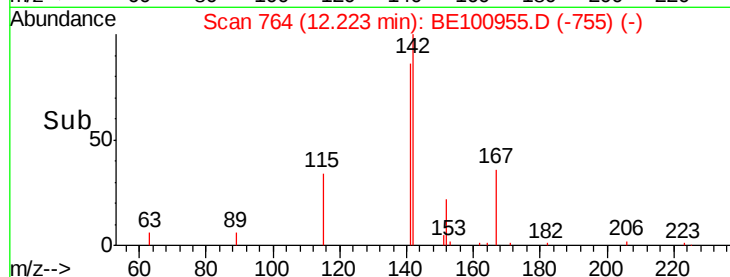
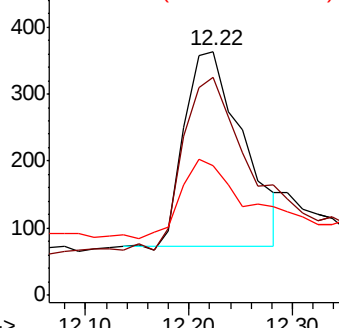


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.38 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

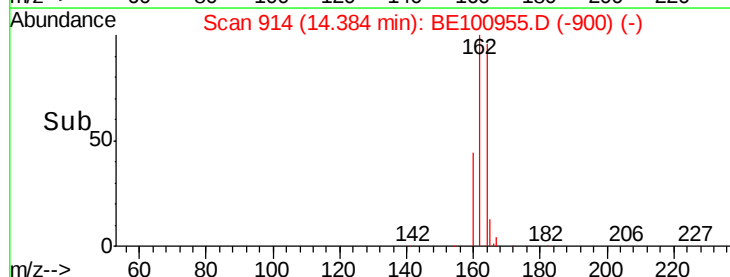
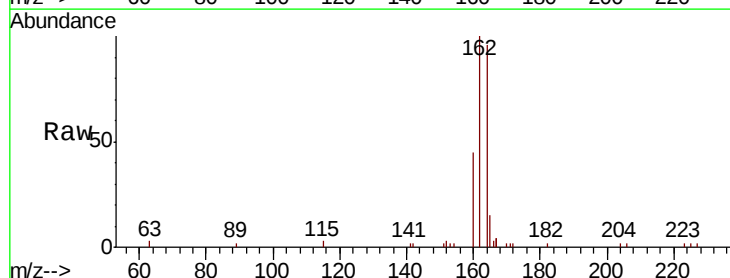
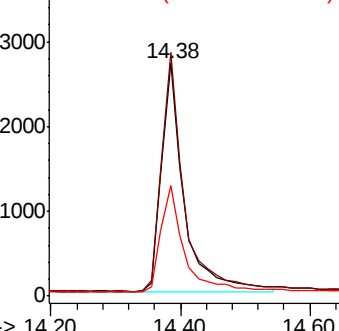
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.5 | 81.6  | 122.4 |
| 160     | 47.4  | 38.5  | 57.7  |

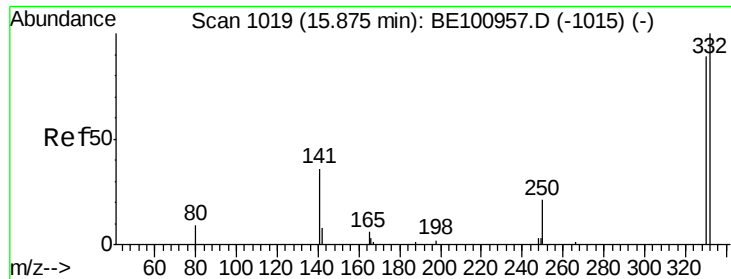
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.150 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

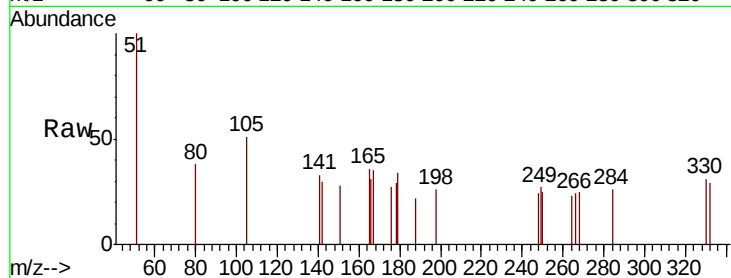
ClientSampleId :

SSTDIC0.1

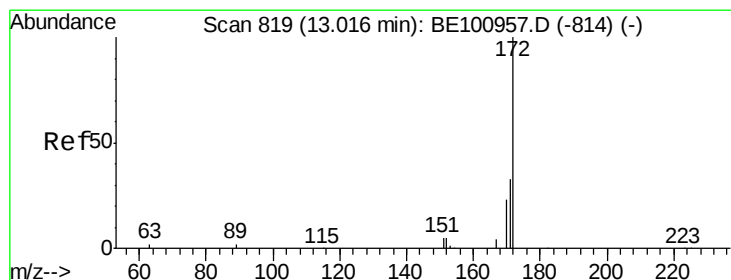
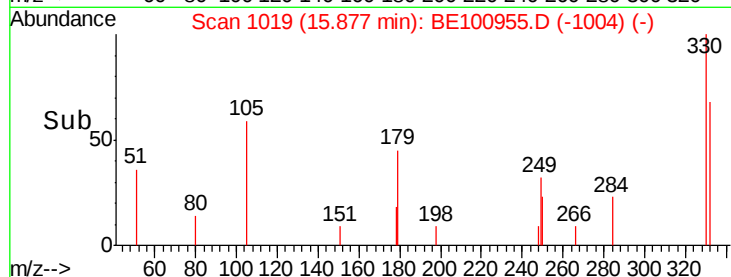
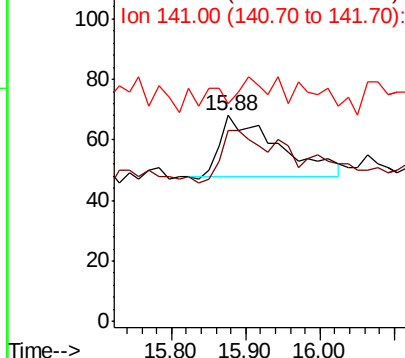
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 58.3  | 84.2  | 126.2# |
| 141     | 0.0   | 39.3  | 58.9#  |

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



#15

2-Fluorobiphenyl

Concen: 0.084 ng

RT: 13.03 min Scan# 820

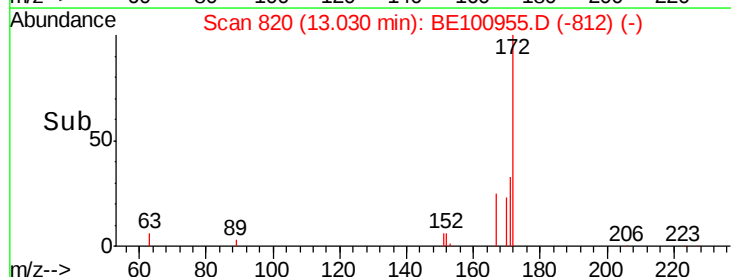
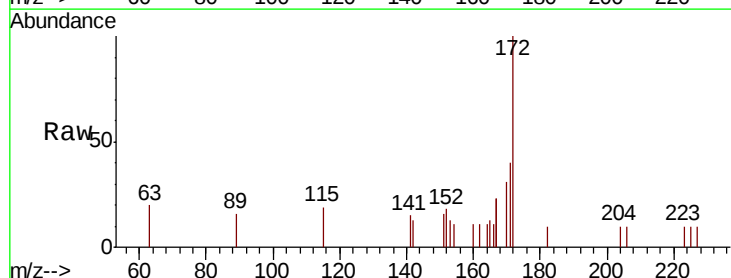
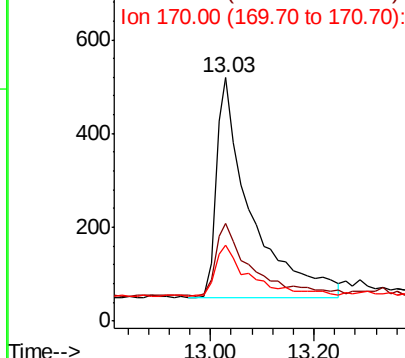
Delta R.T. 0.01 min

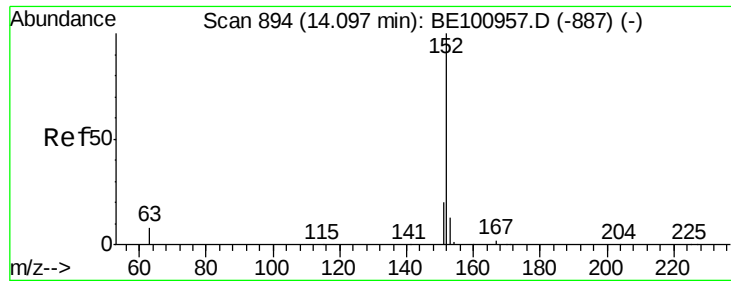
Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.9  | 27.5  | 41.3  |
| 170     | 31.4  | 19.8  | 29.6# |

Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





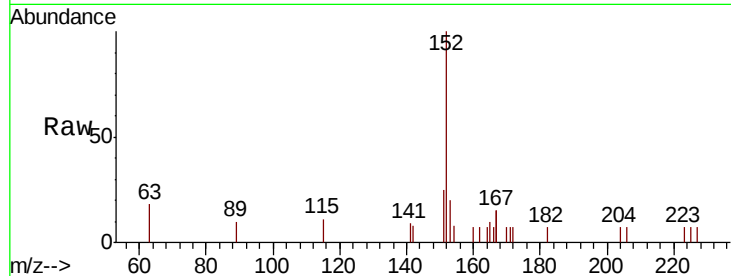
#16  
Acenaphthylene  
Concen: 0.085 ng  
RT: 14.11 min Scan# 895  
Delta R.T. 0.01 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.1

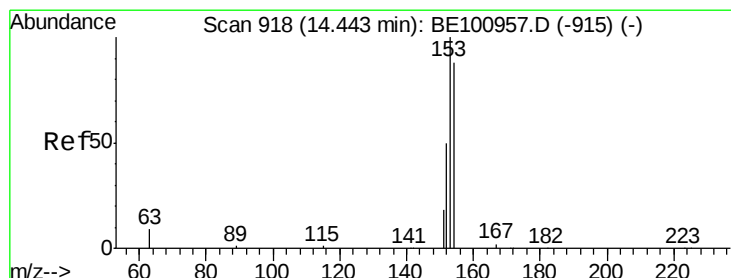
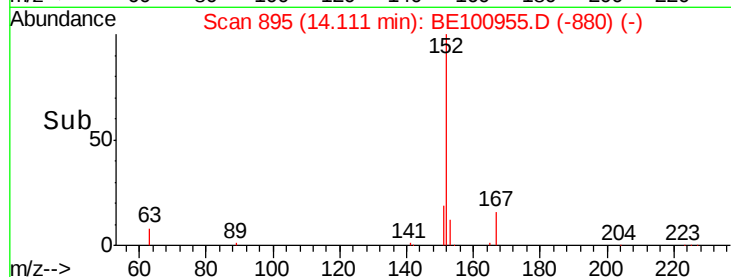
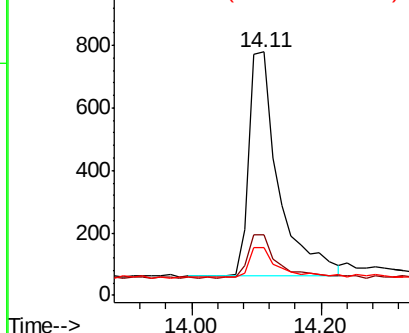
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 152   | Resp: | 2286 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 20.8  | 15.0  | 22.4 |
| 153       | 13.9  | 10.6  | 16.0 |

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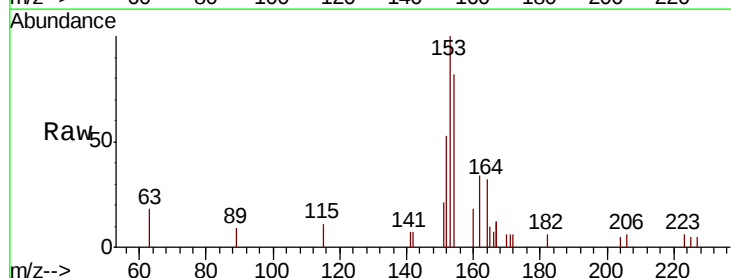


Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

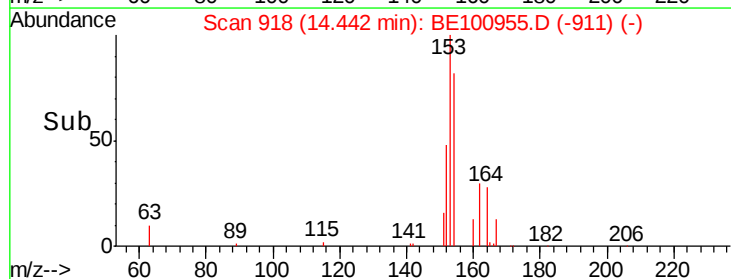
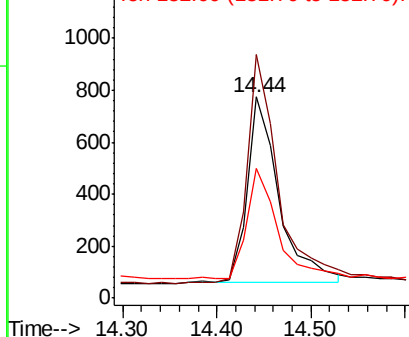


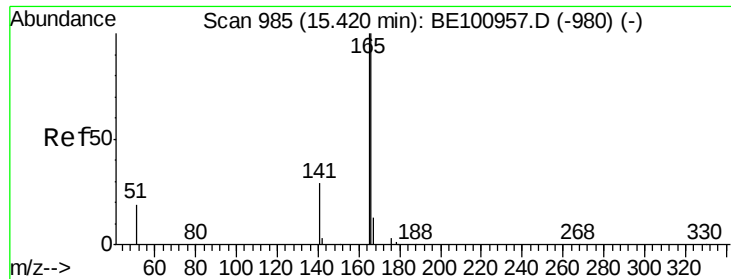
#17  
Acenaphthene  
Concen: 0.091 ng  
RT: 14.44 min Scan# 918  
Delta R.T. -0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 1682  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 121.0 | 92.3  | 138.5 |
| 152       | 58.2  | 46.4  | 69.6  |



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





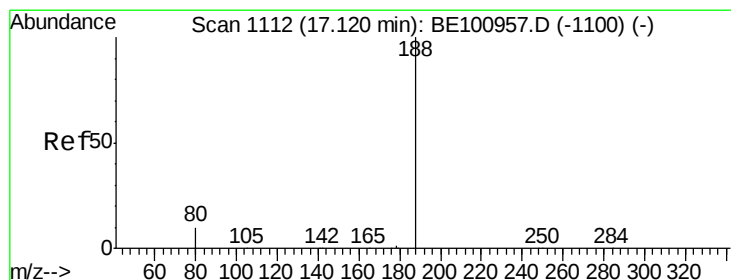
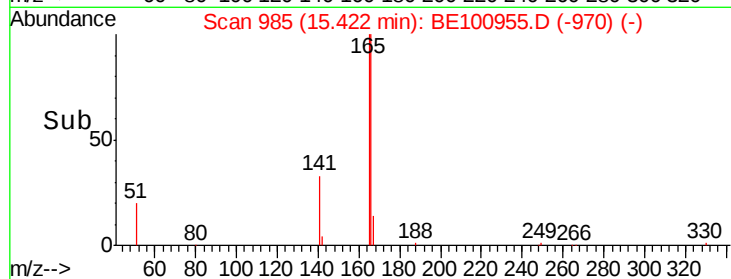
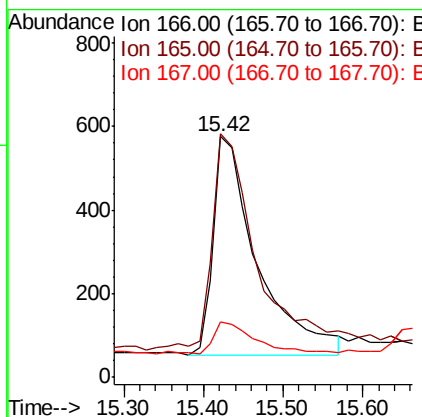
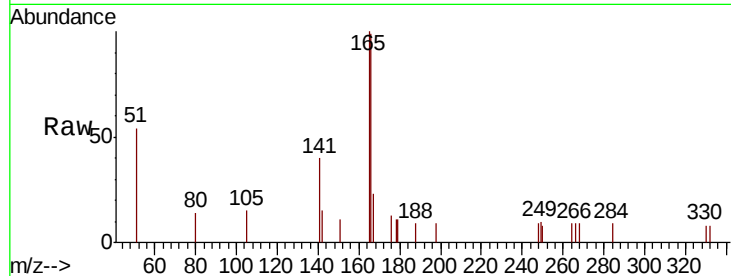
#18  
**Fluorene**  
 Concen: 0.084 ng  
 RT: 15.42 min Scan# 985  
 Delta R.T. 0.00 min  
 Lab File: BE100955.D  
 Acq: 19 Dec 2019 20:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 166   | Resp: | 2008  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.8  | 79.0  | 118.4 |
| 167       | 12.6  | 10.6  | 16.0  |

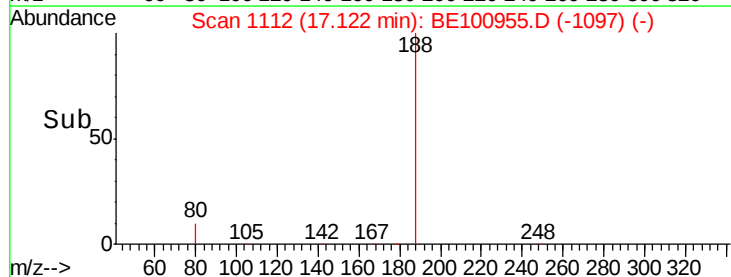
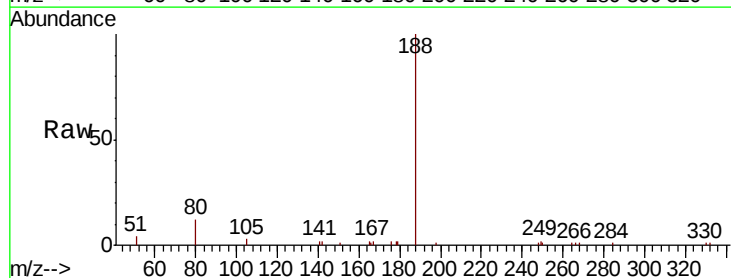
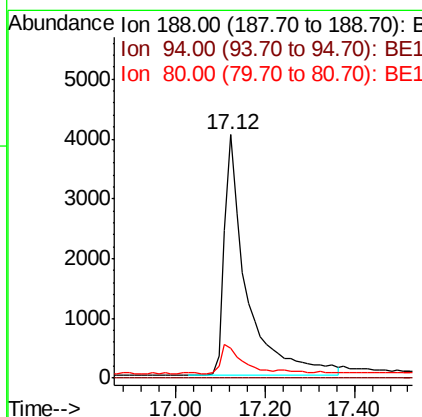
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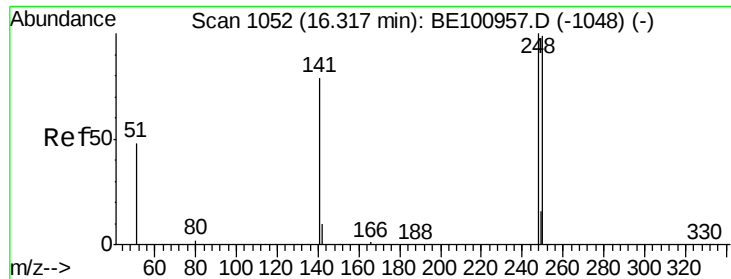
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#19  
**Phenanthrene-d10**  
 Concen: 0.400 ng  
 RT: 17.12 min Scan# 1112  
 Delta R.T. 0.00 min  
 Lab File: BE100955.D  
 Acq: 19 Dec 2019 20:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 13836 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 12.2  | 9.5   | 14.3  |





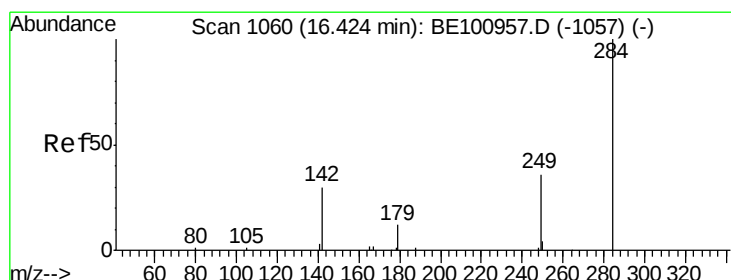
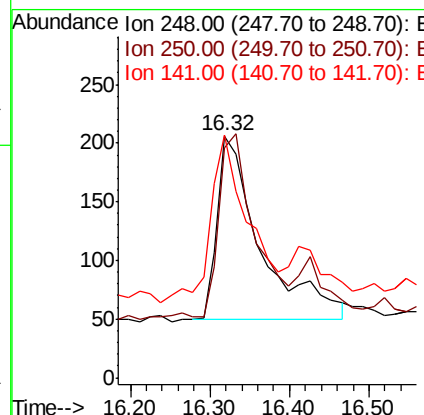
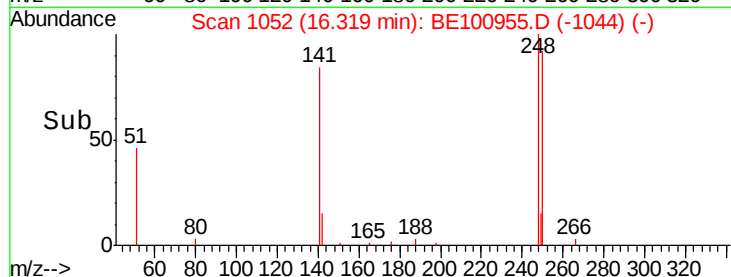
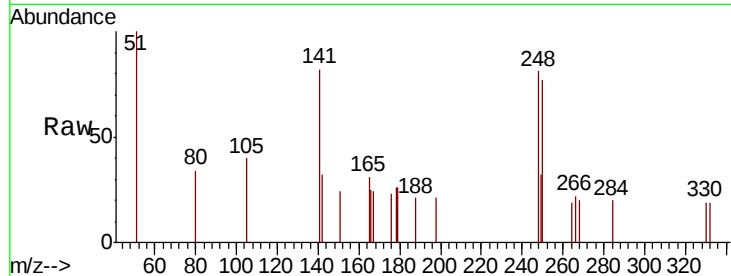
#20  
4-Bromophenyl-phenylether  
Concen: 0.087 ng  
RT: 16.32 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

Instrument :  
BNA\_E  
ClientSampled :  
SSTDIC0.1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.1  | 79.5  | 119.3 |
| 141     | 100.5 | 66.6  | 100.0 |

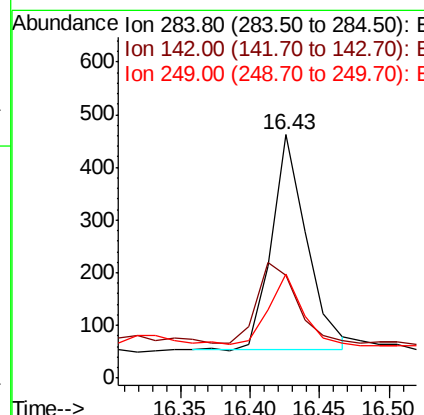
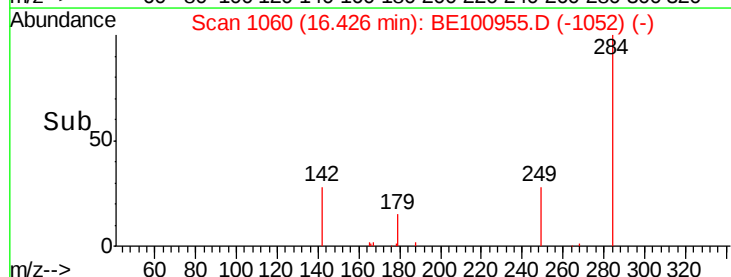
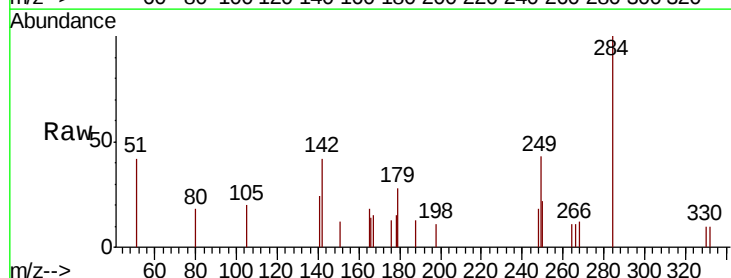
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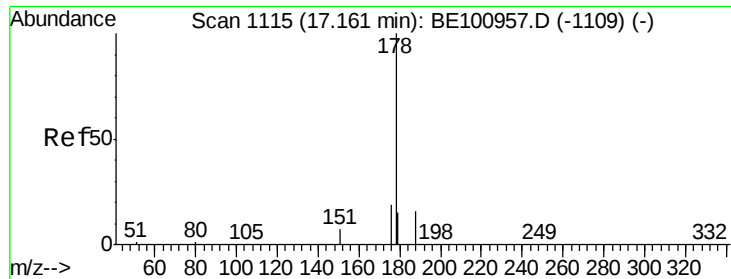
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#21  
Hexachlorobenzene  
Concen: 0.098 ng  
RT: 16.43 min Scan# 1060  
Delta R.T. 0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 41.7  | 33.8  | 50.6  |
| 249     | 31.3  | 26.7  | 40.1  |





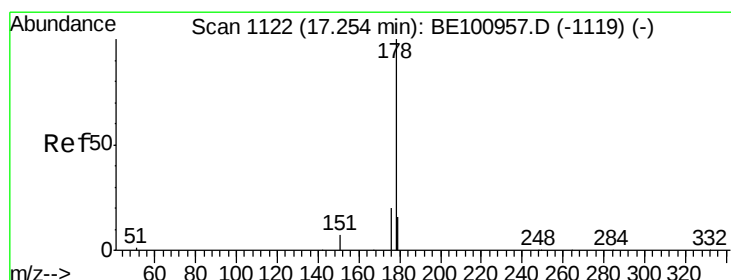
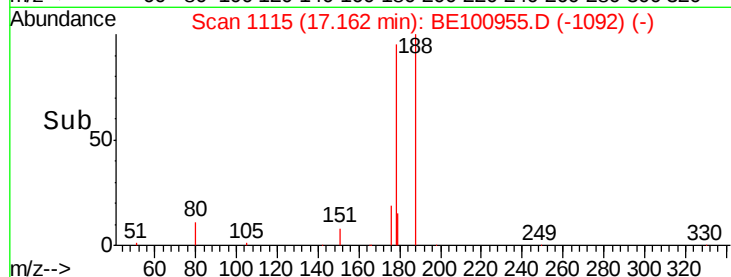
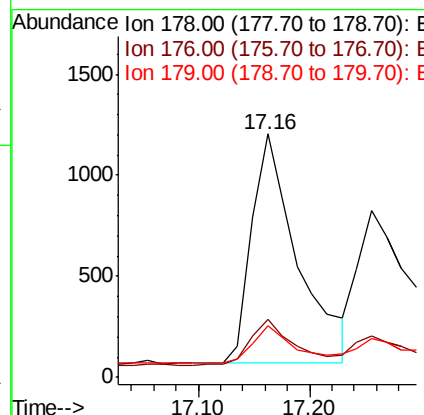
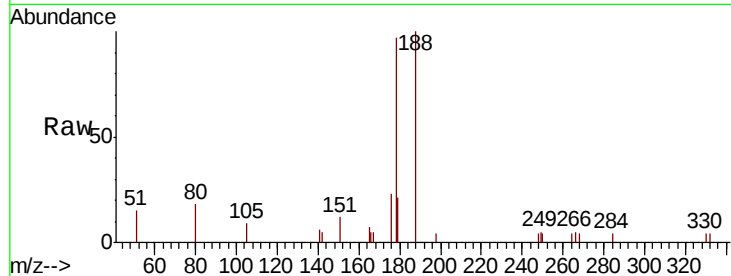
#23  
Phenanthrene  
Concen: 0.078 ng  
RT: 17.16 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.4  | 23.0  |
| 179     | 14.4  | 12.5  | 18.7  |

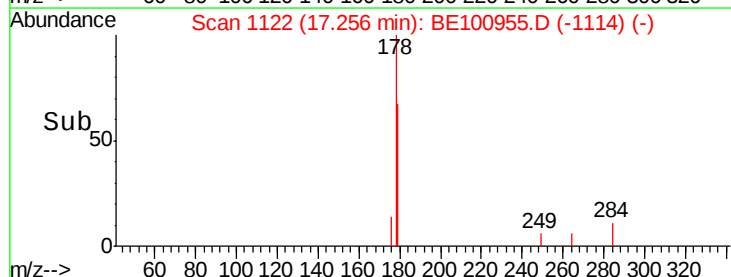
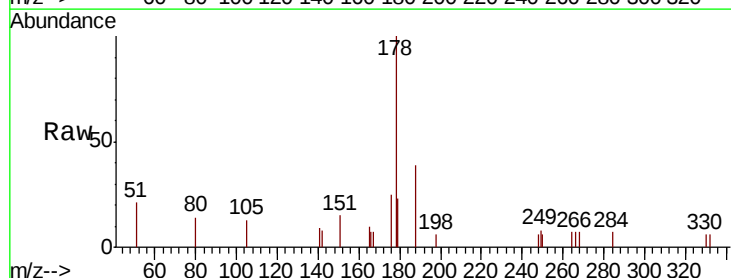
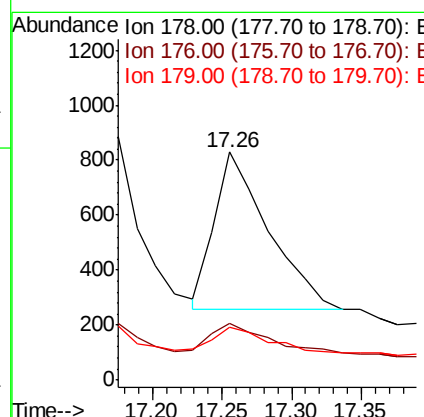
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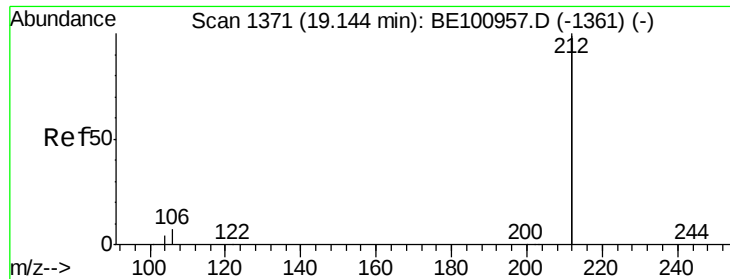
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#24  
Anthracene  
Concen: 0.044 ng  
RT: 17.26 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 22.4  | 15.7  | 23.5  |
| 179     | 16.6  | 12.0  | 18.0  |





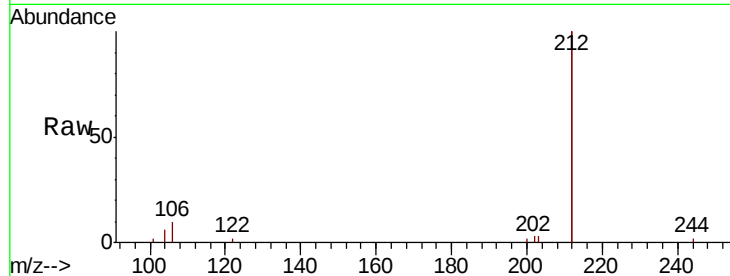
#25  
 Fluoranthene-d10  
 Concen: 0.099 ng  
 RT: 19.15 min Scan# 1372  
 Delta R.T. 0.01 min  
 Lab File: BE100955.D  
 Acq: 19 Dec 2019 20:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

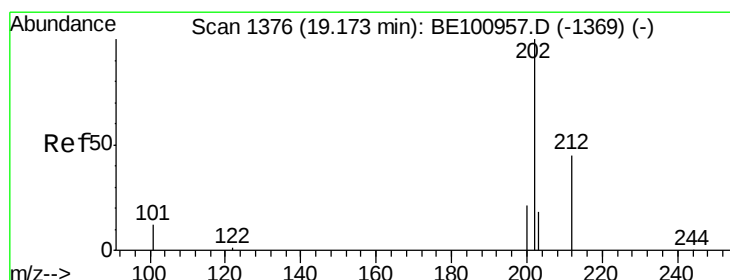
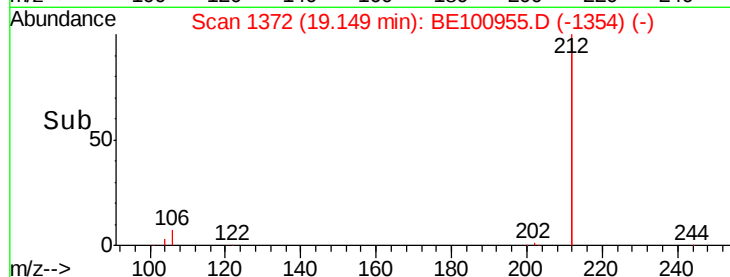
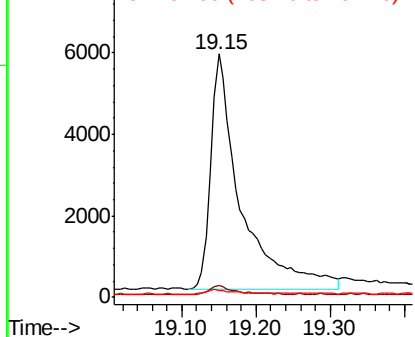
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 16137 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.5   | 2.6   | 3.8   |
| 104       | 1.8   | 1.4   | 2.2   |

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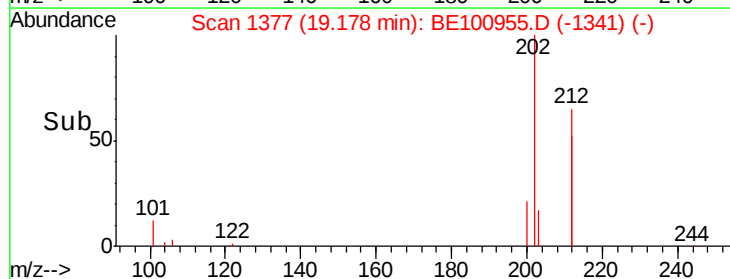
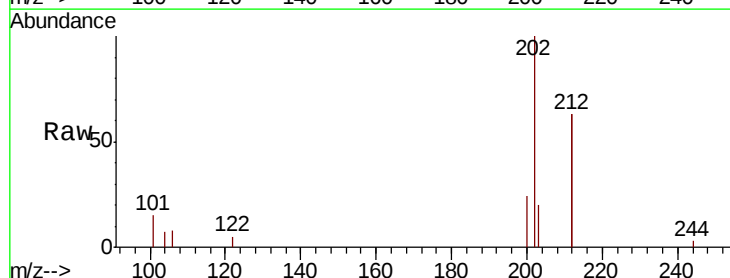
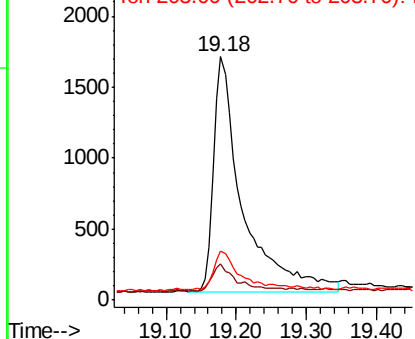
Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

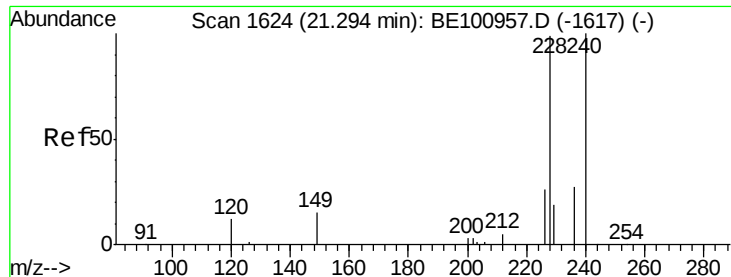


#26  
 Fluoranthene  
 Concen: 0.095 ng  
 RT: 19.18 min Scan# 1377  
 Delta R.T. 0.01 min  
 Lab File: BE100955.D  
 Acq: 19 Dec 2019 20:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 4746 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 10.1  | 9.0   | 13.6 |
| 203       | 15.3  | 13.4  | 20.0 |

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: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

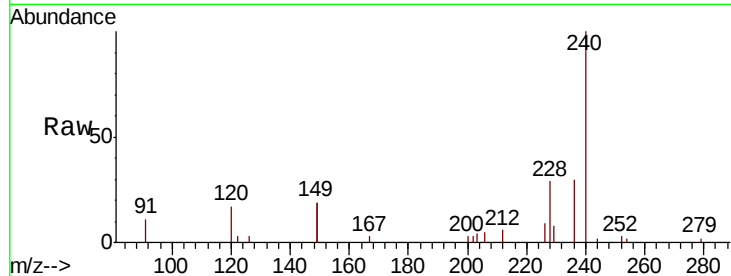
ClientSampleId :

SSTDIC0.1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 17.4  | 11.5  | 17.3# |
| 236     | 30.4  | 22.8  | 34.2  |

Manual Integrations  
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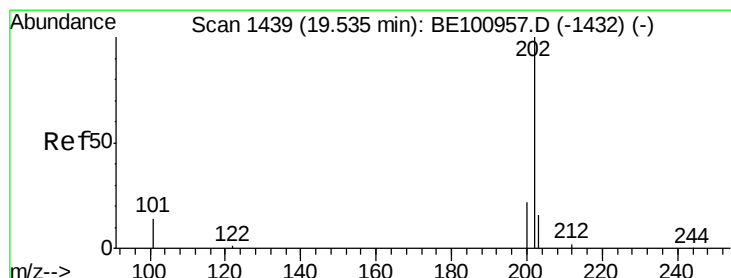
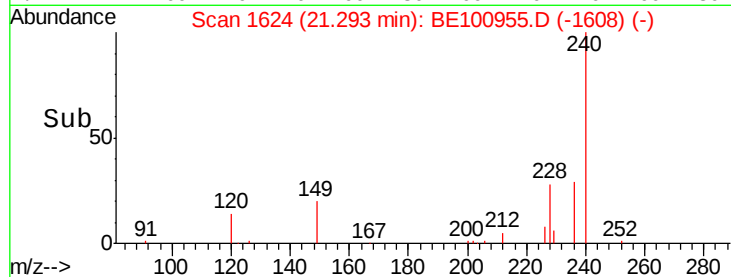
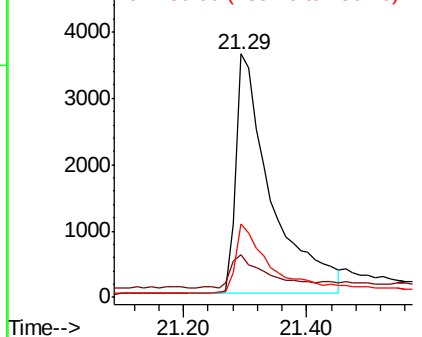


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.108 ng

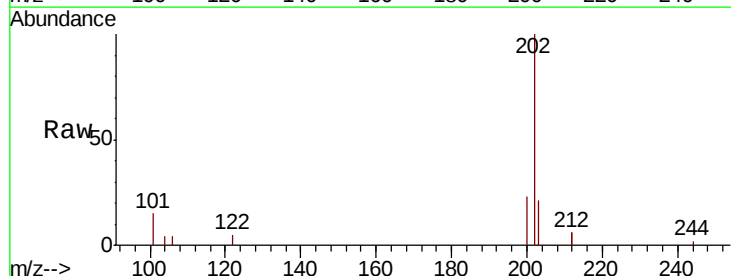
RT: 19.54 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.7  | 16.4  | 24.6  |
| 203     | 17.2  | 13.8  | 20.8  |

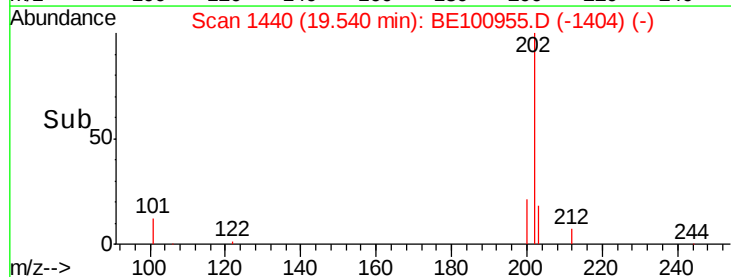
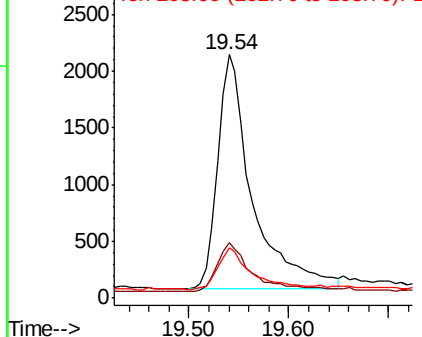


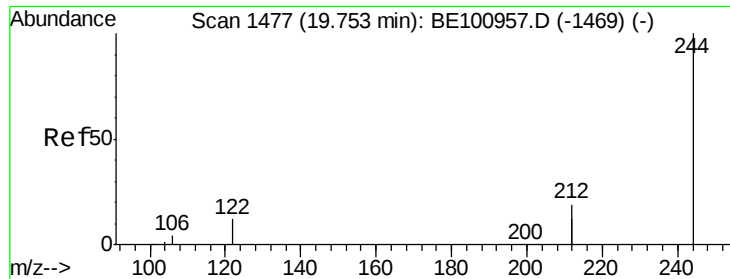
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.090 ng

RT: 19.76 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

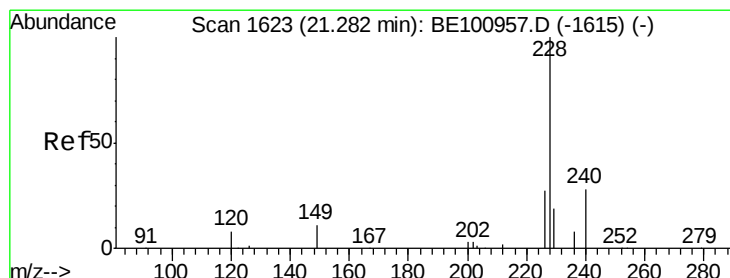
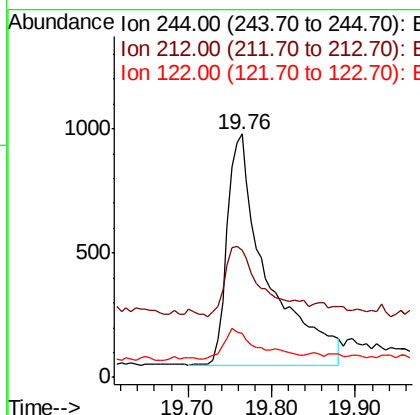
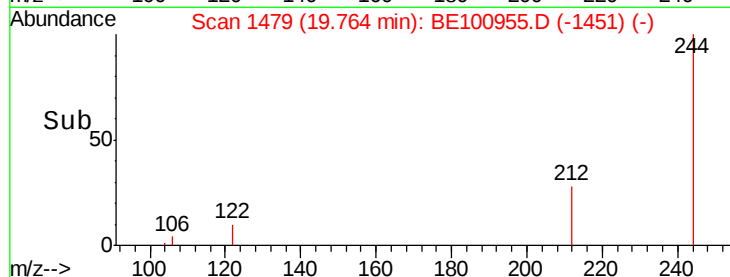
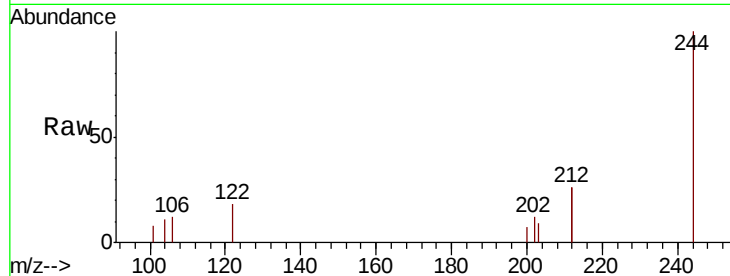
ClientSampleId :

SSTDIC0.1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 3092  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 52.1  | 30.2  | 45.2# |
| 122       | 18.0  | 10.7  | 16.1# |

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#30

Benzo(a)anthracene

Concen: 0.069 ng

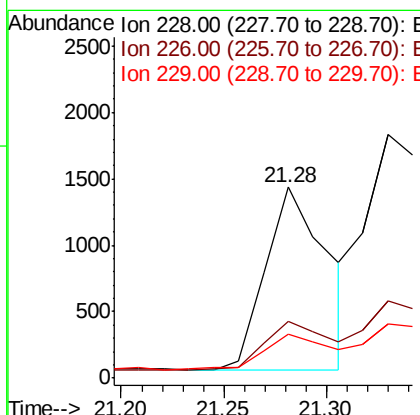
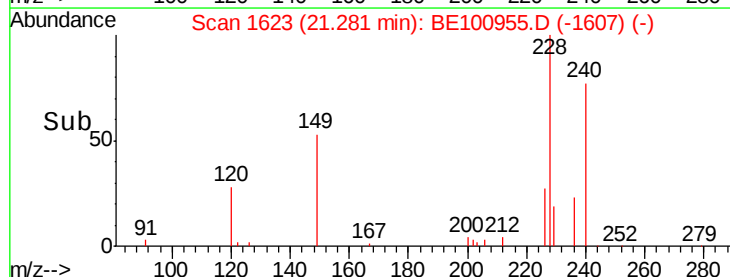
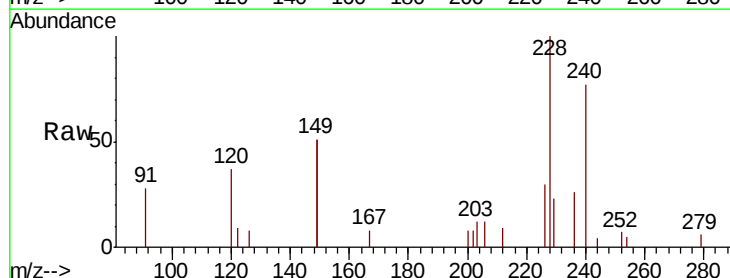
RT: 21.28 min Scan# 1623

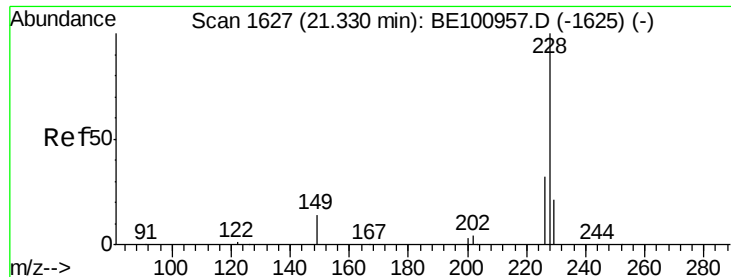
Delta R.T. -0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 2892 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 30.0  | 21.9  | 32.9 |
| 229       | 22.8  | 15.9  | 23.9 |





#31

Chrysene

Concen: 0.091 ng/mL

RT: 21.33 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

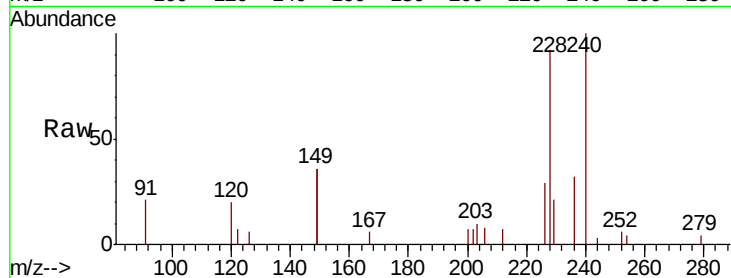
ClientSampleID :

SSTDIC0.1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 228   | Resp: | 4513  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 31.6  | 24.2  | 36.4  |
| 229      | 22.2  | 16.6  | 24.8  |

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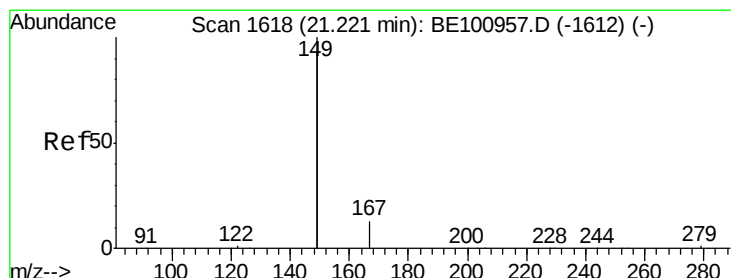
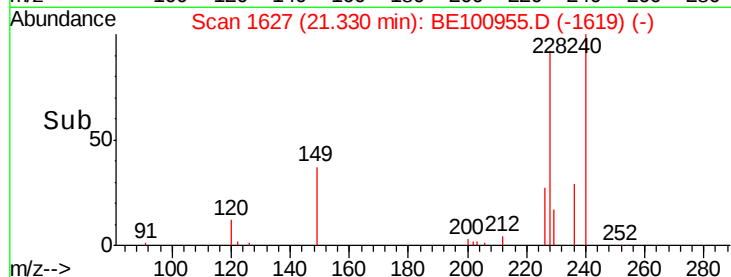
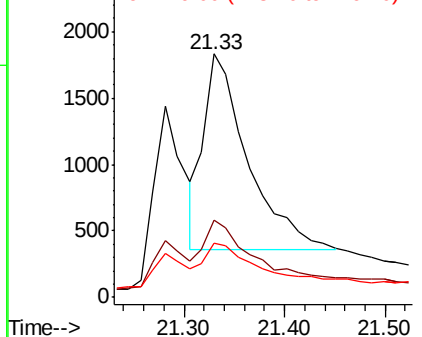


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.377 ng/mL

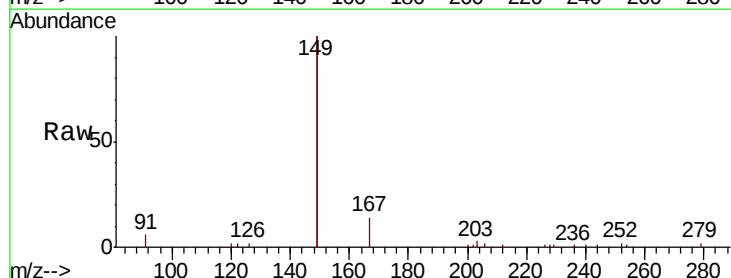
RT: 21.22 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 14391 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 6.6   | 5.0   | 7.6   |
| 279      | 0.7   | 0.7   | 1.1   |

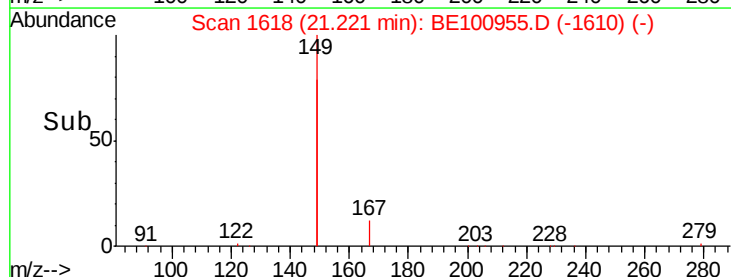
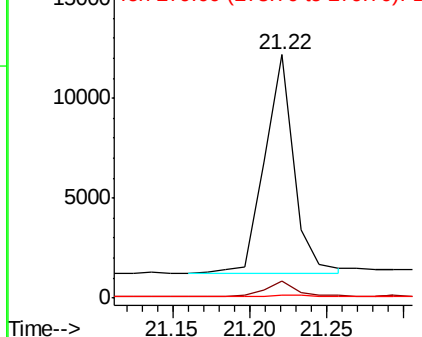


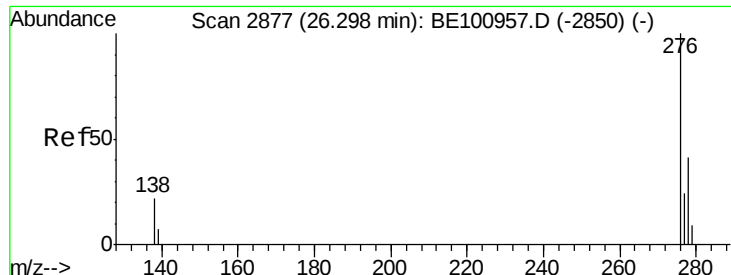
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





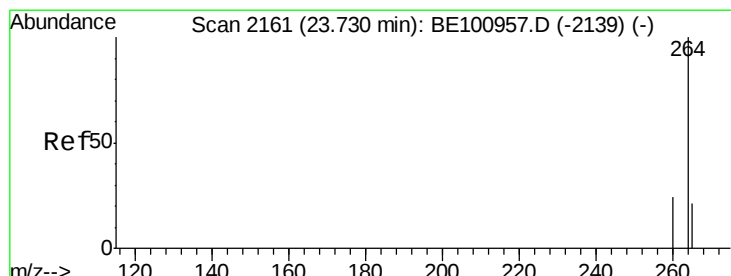
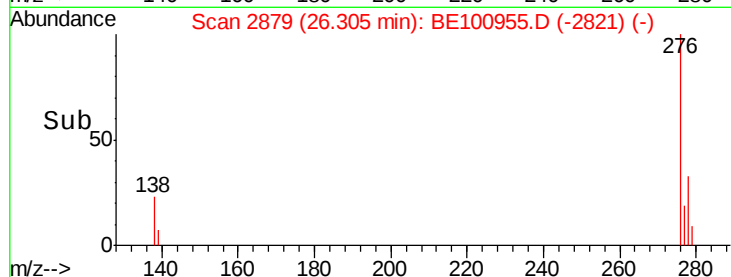
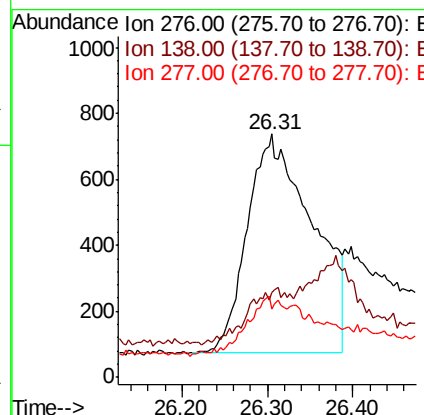
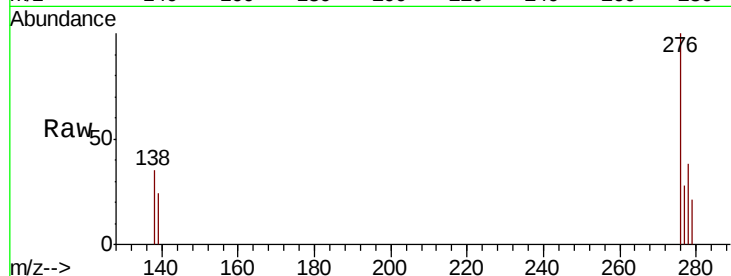
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.082 ng  
RT: 26.31 min Scan# 2879  
Delta R.T. 0.01 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.0  | 9.0   | 13.4# |
| 277     | 9.5   | 5.9   | 8.9#  |

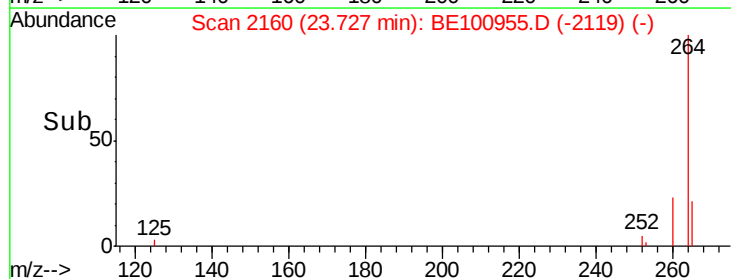
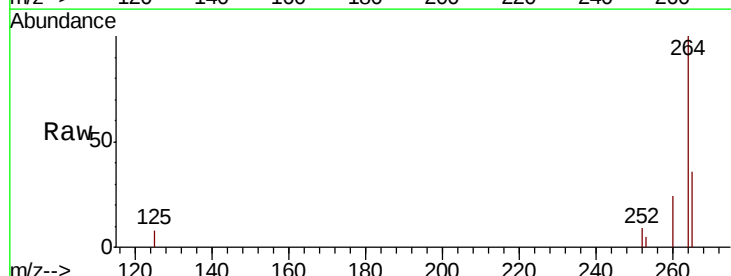
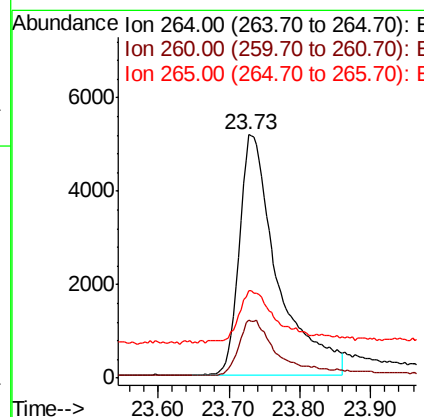
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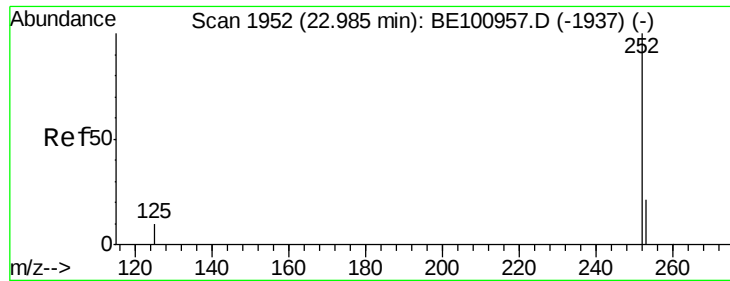
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.73 min Scan# 2160  
Delta R.T. -0.00 min  
Lab File: BE100955.D  
Acq: 19 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.2  |
| 265     | 35.8  | 26.4  | 39.6  |





#35

Benzo(b)fluoranthene

Concen: 0.064 ng

RT: 22.99 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

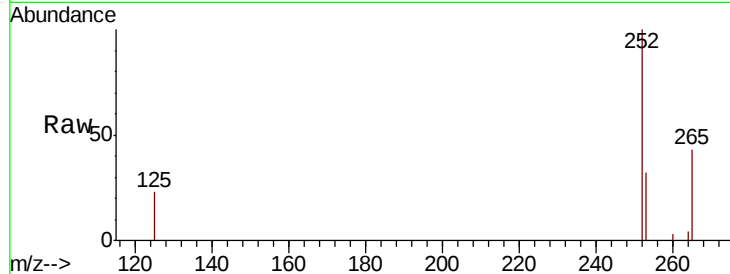
ClientSampleId :

SSTDIC0.1

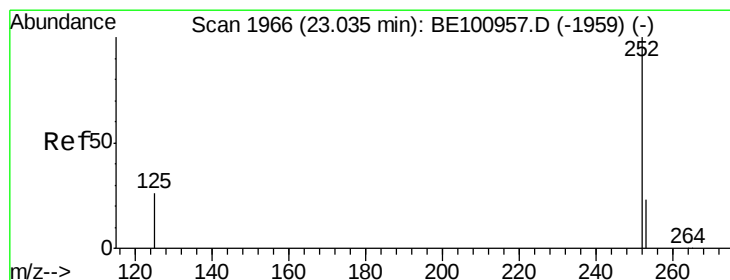
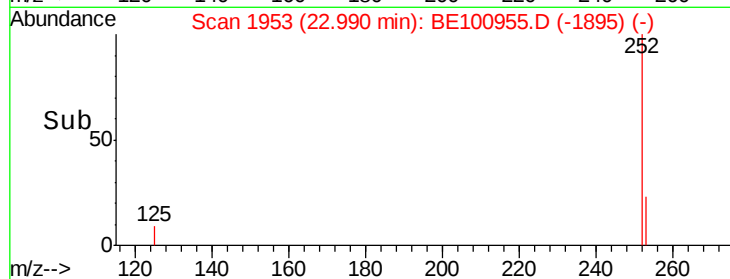
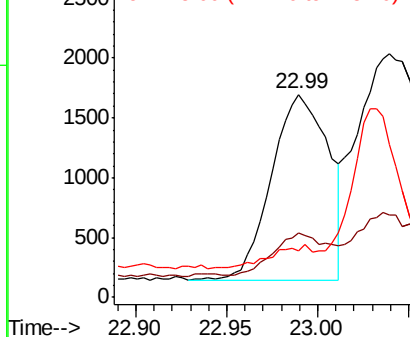
|             |       |            |
|-------------|-------|------------|
| Tot Ion:252 | Resp: | 3367       |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 31.8  | 18.6 27.8# |
| 125         | 23.1  | 10.2 15.2# |

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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



#36

Benzo(k)fluoranthene

Concen: 0.078 ng m

RT: 23.04 min Scan# 1967

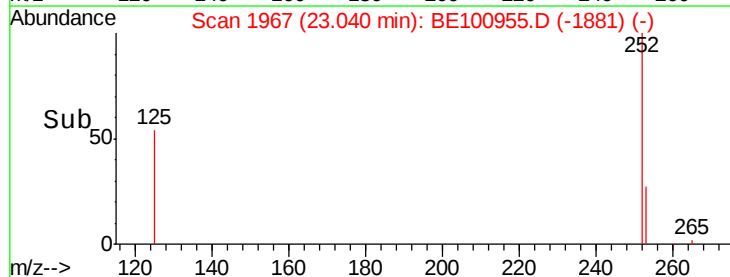
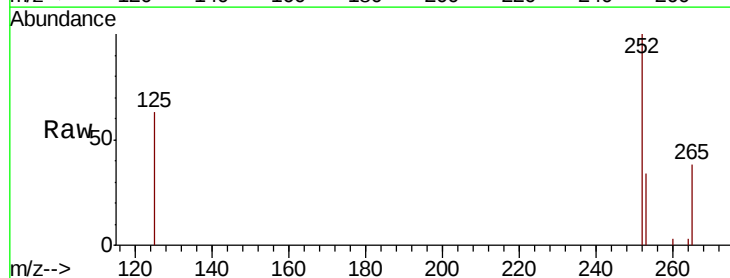
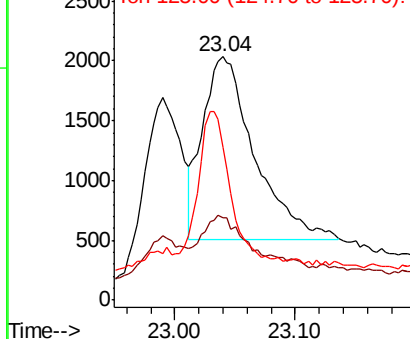
Delta R.T. 0.00 min

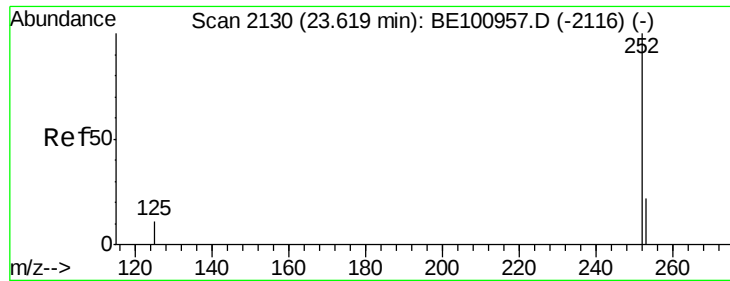
Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 4636       |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 33.8  | 19.2 28.8# |
| 125         | 63.0  | 17.9 26.9# |

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





#37

Benzo(a)pyrene

Concen: 0.081 ng m

RT: 23.63 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

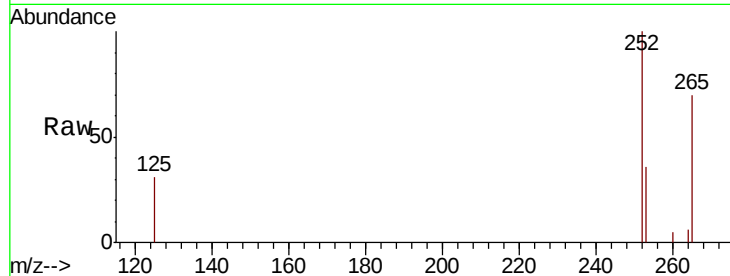
ClientSampleId :

SSTDIC0.1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 3712  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 36.2  | 19.9  | 29.9# |
| 125       | 30.9  | 12.3  | 18.5# |

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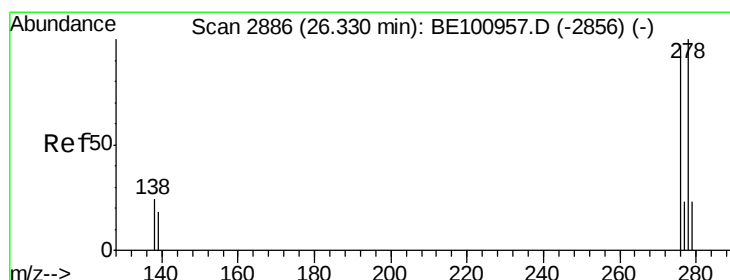
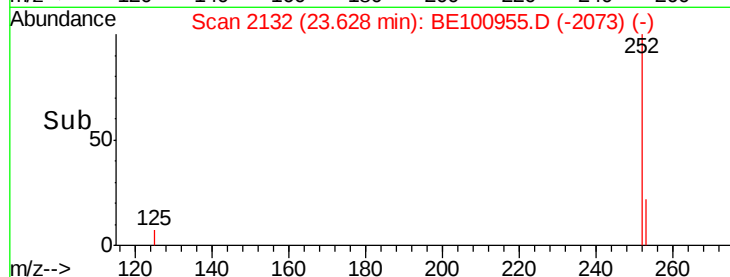
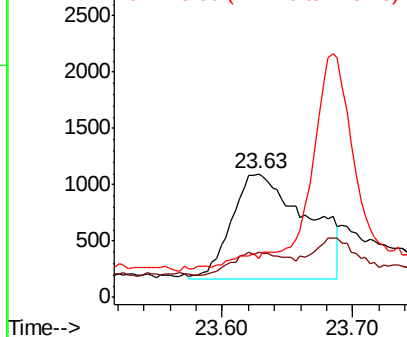


Abundance

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: 0.065 ng m

RT: 26.33 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

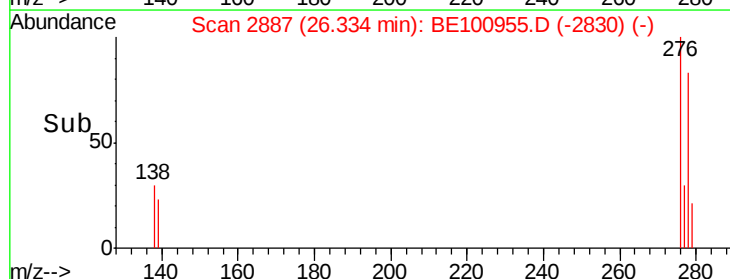
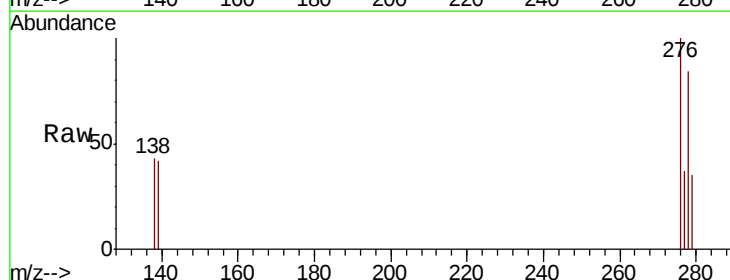
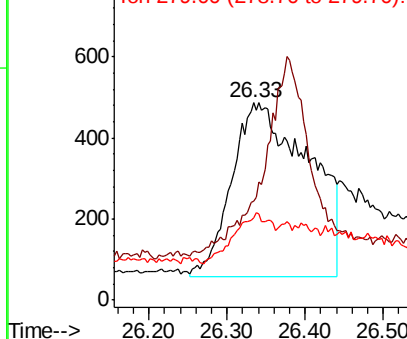
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 2955  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 50.1  | 17.0  | 25.6# |
| 279       | 41.5  | 21.1  | 31.7# |

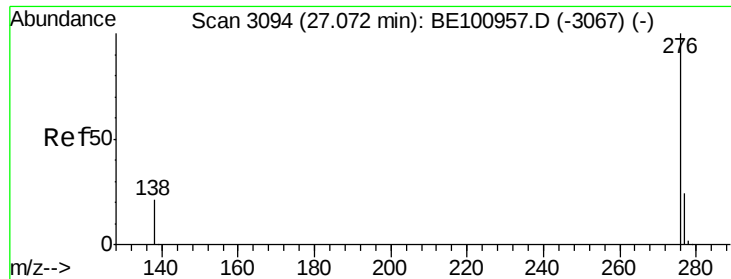
Abundance

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: 0.092 ng

RT: 27.08 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BE100955.D

Acq: 19 Dec 2019 20:52

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.1

Tot Ion: 276 Resp: 4488

Ion Ratio Lower Upper

276 100

277 30.6 19.9 29.9#

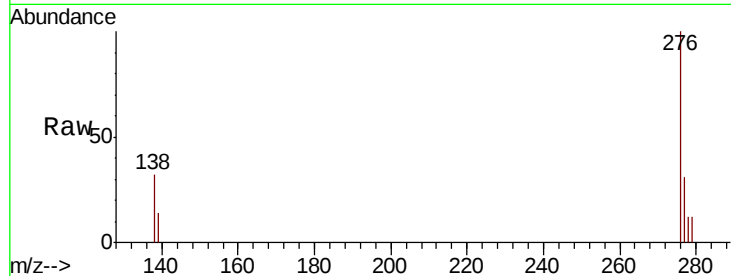
138 32.1 18.4 27.6#

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

