

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\  
 Data File : BE098212.D  
 Acq On : 13 Nov 2018 16:58  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

Sohil  
 11/14/2018 5:20:07 PM

Quant Time: Nov 13 17:33:48 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 12 13:32:15 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 1346     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 6589     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 4551     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 10815    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 12948    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.01 | 264  | 11929    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.45  | 112 | 1544  | 0.41 | ng | 0.00 |
| 5) Phenol-d6                | 7.04  | 99  | 2586  | 0.42 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.02  | 82  | 2602  | 0.40 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 4559  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330 | 737   | 0.37 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 6830  | 0.36 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.31 | 212 | 51336 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 10643 | 0.36 | ng | 0.00 |

|                                |       |     |       |       |        |      |
|--------------------------------|-------|-----|-------|-------|--------|------|
| Target Compounds               |       |     |       |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.38  | 88  | 795   | 0.393 | ng     | 91   |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 973   | 0.368 | ng     | # 90 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 1926  | 0.391 | ng     | 97   |
| 9) Naphthalene                 | 10.72 | 128 | 25907 | 0.387 | ng     | 100  |
| 10) Hexachlorobutadiene        | 11.00 | 225 | 1581  | 0.380 | ng     | 99   |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 4698  | 0.404 | ng     | 94   |
| 16) Acenaphthylene             | 14.26 | 152 | 8139  | 0.390 | ng     | 100  |
| 17) Acenaphthene               | 14.60 | 154 | 4894  | 0.384 | ng     | 99   |
| 18) Fluorene                   | 15.58 | 166 | 6440  | 0.395 | ng     | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248 | 2439  | 0.370 | ng     | 96   |
| 21) Hexachlorobenzene          | 16.59 | 284 | 2592  | 0.378 | ng     | 99   |
| 22) Pentachlorophenol          | 16.94 | 266 | 609m  | 0.478 | ng     |      |
| 23) Phenanthrene               | 17.33 | 178 | 10429 | 0.387 | ng     | 100  |
| 24) Anthracene                 | 17.41 | 178 | 9520  | 0.379 | ng     | 99   |
| 26) Fluoranthene               | 19.34 | 202 | 12820 | 0.384 | ng     | 99   |
| 28) Pyrene                     | 19.70 | 202 | 13317 | 0.374 | ng     | 99   |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 13789 | 0.375 | ng     | 98   |
| 31) Chrysene                   | 21.50 | 228 | 13786 | 0.369 | ng     | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 31039 | 0.406 | ng     | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.70 | 276 | 13147 | 0.384 | ng     | # 91 |
| 35) Benzo(b)fluoranthene       | 23.23 | 252 | 12783 | 0.378 | ng     | 99   |
| 36) Benzo(k)fluoranthene       | 23.28 | 252 | 13831 | 0.387 | ng     | 99   |
| 37) Benzo(a)pyrene             | 23.90 | 252 | 12363 | 0.381 | ng     | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.73 | 278 | 11248 | 0.407 | ng     | 98   |
| 39) Benzo(g,h,i)perylene       | 27.53 | 276 | 10966 | 0.380 | ng     | 99   |

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

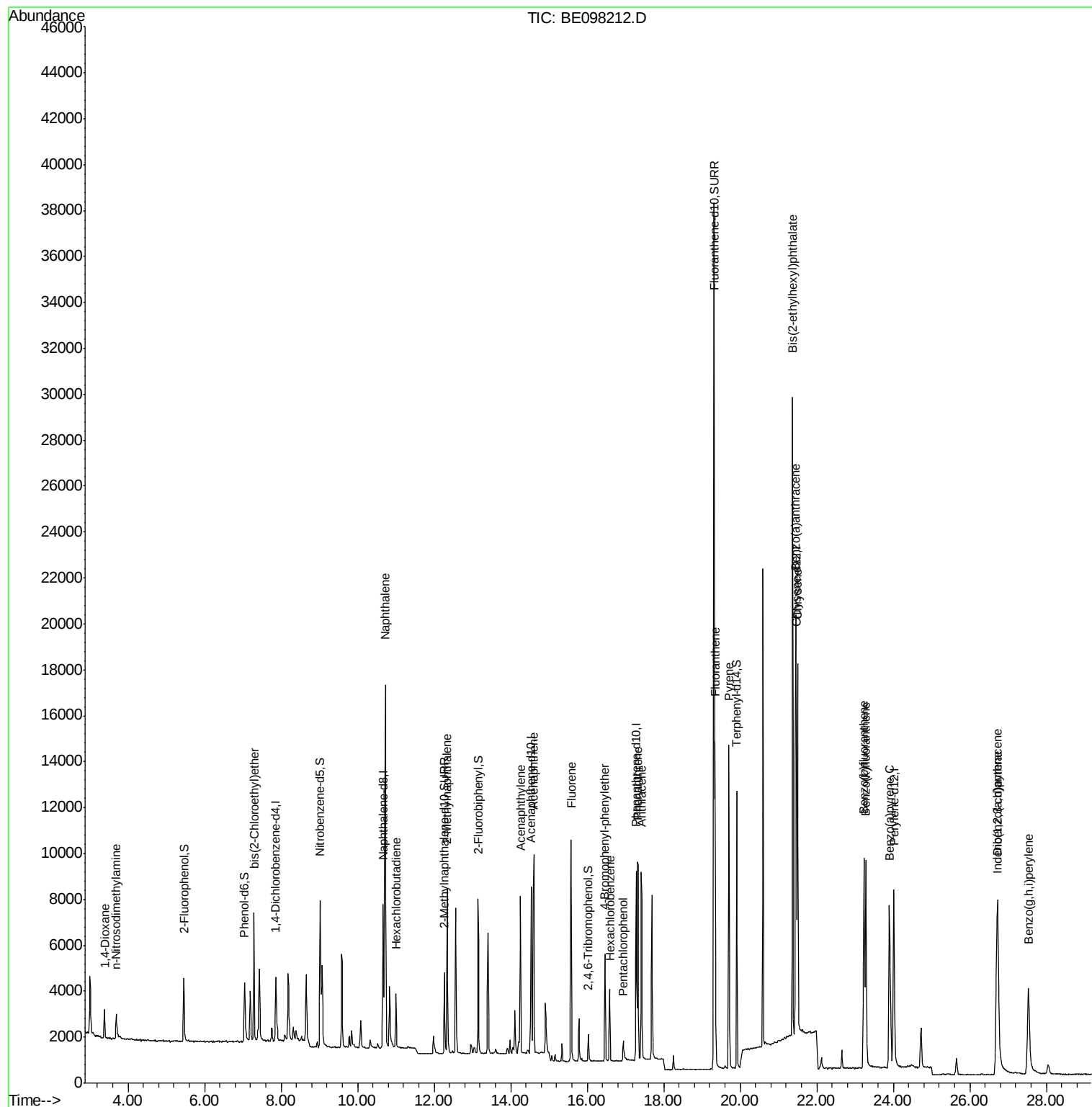
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\  
Data File : BE098212.D  
Acq On : 13 Nov 2018 16:58  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

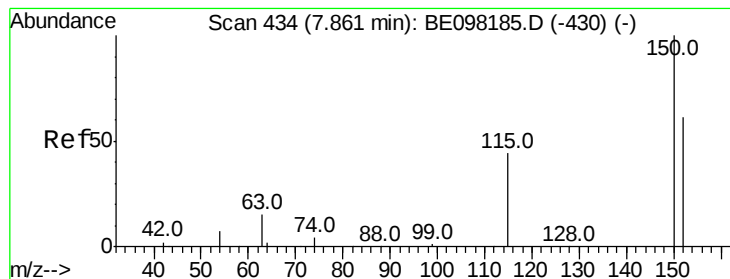
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 12 13:32:15 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:152 Resp: 1346

Ion Ratio Lower Upper

152 100

150 160.9 127.5 191.3

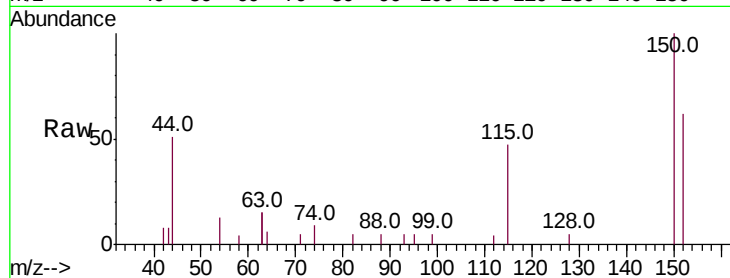
115 74.9 60.3 90.5

Manual Integrations

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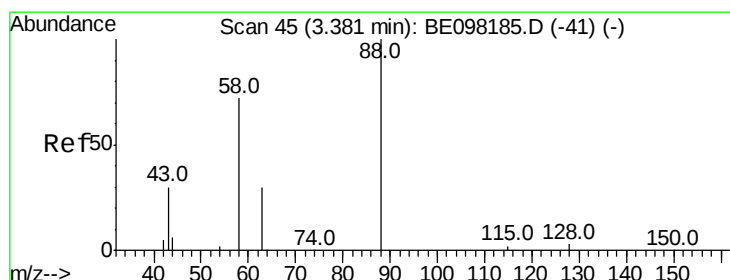
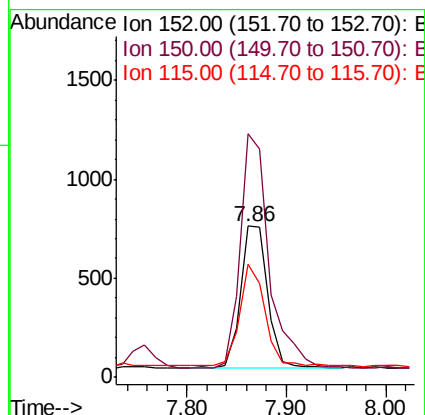
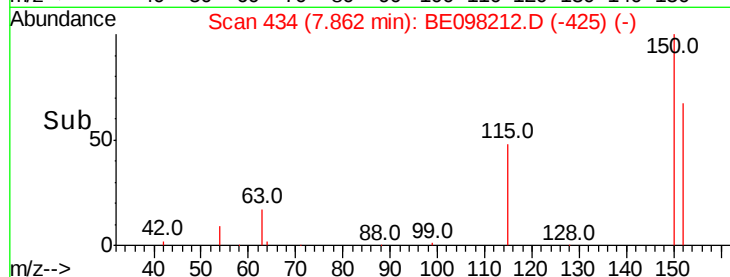
11/14/2018 5:20:07 PM



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: 0.393 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

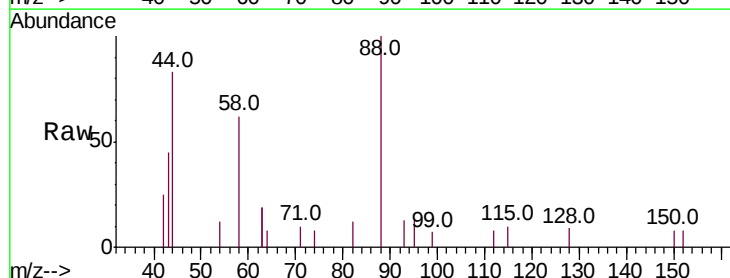
Tgt Ion: 88 Resp: 795

Ion Ratio Lower Upper

88 100

58 92.2 79.0 118.4

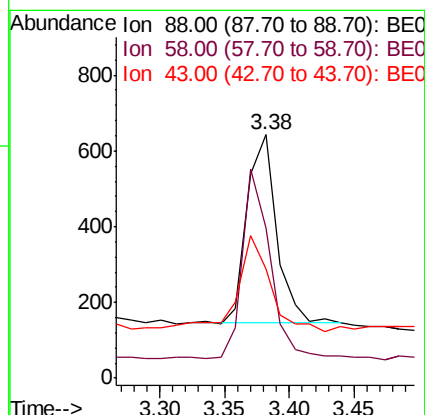
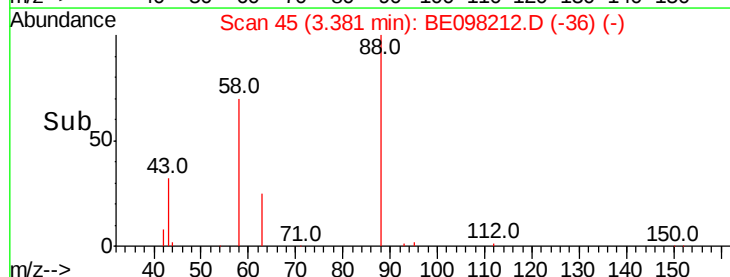
43 56.9 38.1 57.1

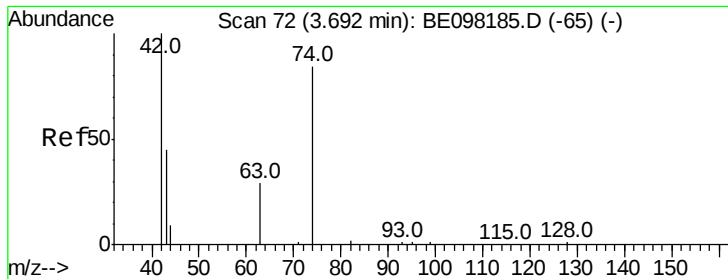


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





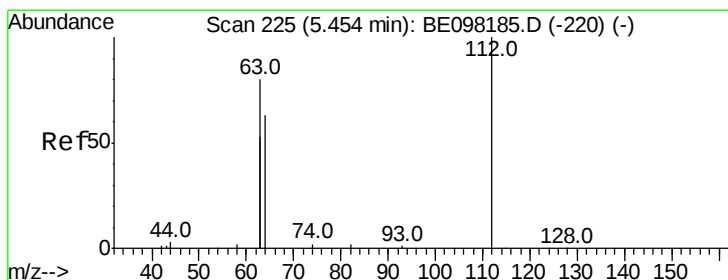
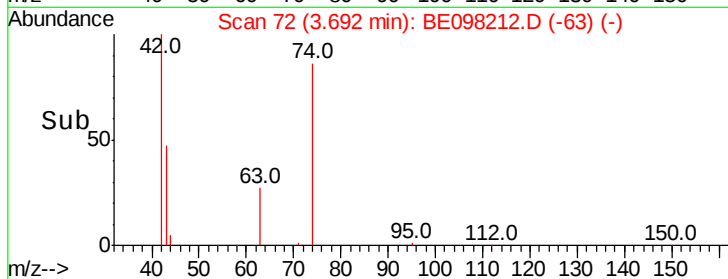
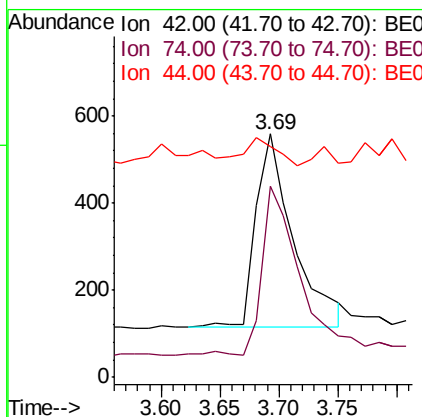
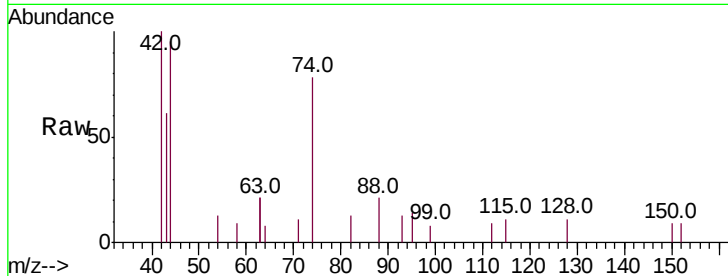
#3  
n-Nitrosodimethylamine  
Concen: 0.368 ng  
RT: 3.69 min Scan# 72  
Delta R.T. 0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 85.2  | 61.7  | 92.5  |
| 44      | 12.5  | 14.0  | 21.0  |

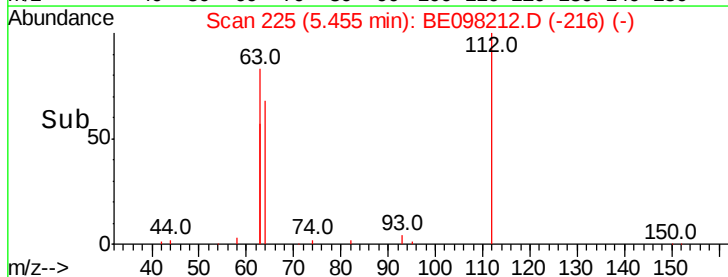
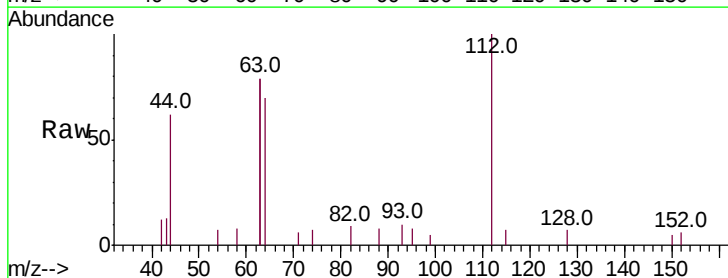
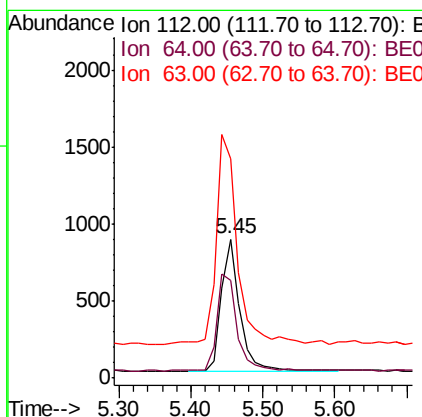
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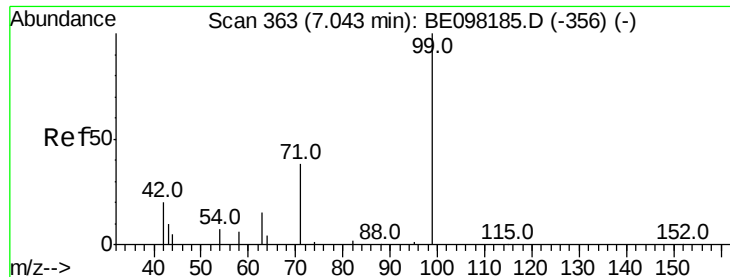
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#4  
2-Fluorophenol  
Concen: 0.406 ng  
RT: 5.45 min Scan# 225  
Delta R.T. 0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 78.3  | 61.7  | 92.5  |
| 63      | 172.2 | 136.2 | 204.2 |





#5

Phenol-d6

Concen: 0.424 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

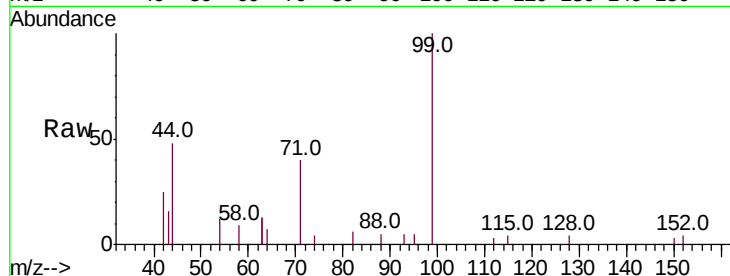
ClientSampleId :

SSTDCCC0.4

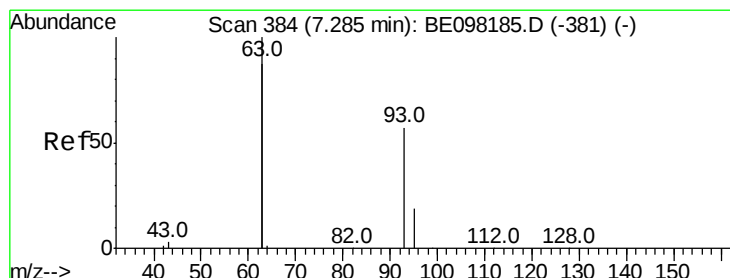
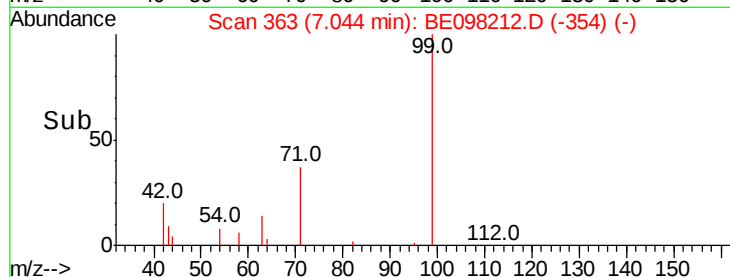
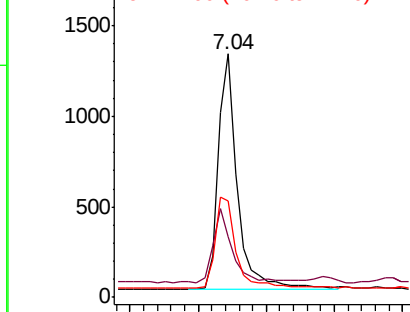
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 2586  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 31.4  | 27.1  | 40.7  |
| 71       | 42.2  | 37.0  | 55.6  |

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



#6

bis(2-Chloroethyl)ether

Concen: 0.391 ng

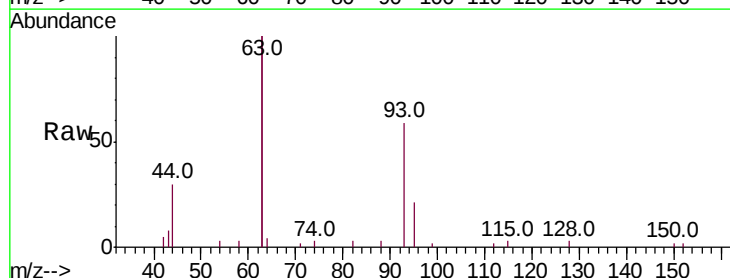
RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

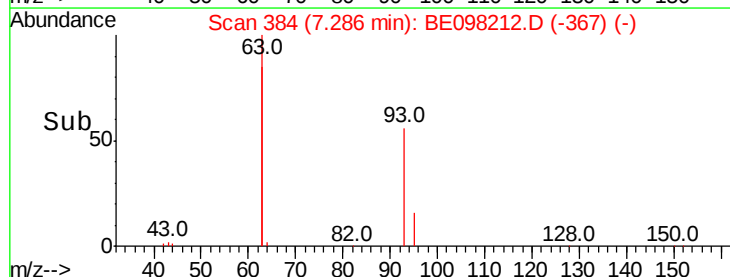
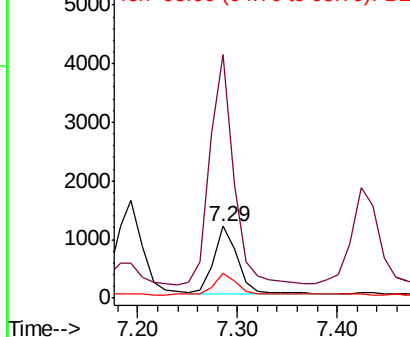
Lab File: BE098212.D

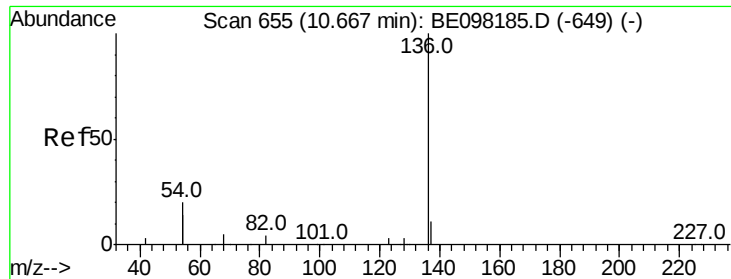
Acq: 13 Nov 2018 16:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1926  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 335.7 | 272.6 | 409.0 |
| 95       | 31.4  | 27.1  | 40.7  |



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

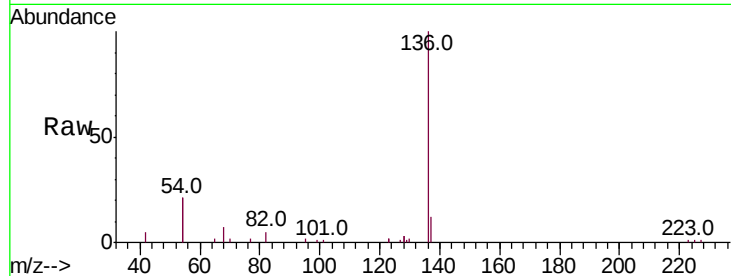
ClientSampleId :

SSTDCCC0.4

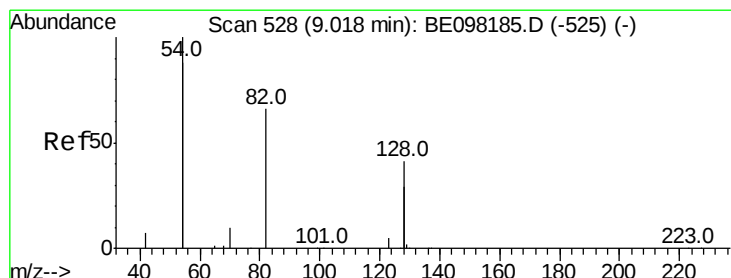
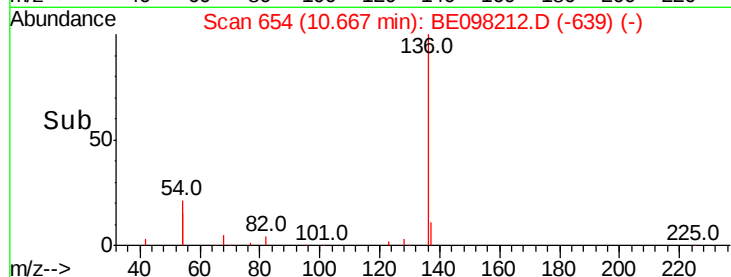
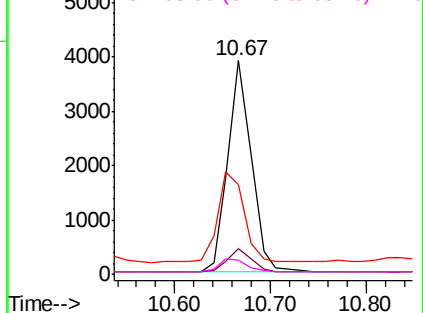
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.8  | 9.5   | 14.3  |
| 54      | 42.0  | 31.3  | 46.9  |
| 68      | 6.6   | 4.8   | 7.2   |

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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: 0.396 ng

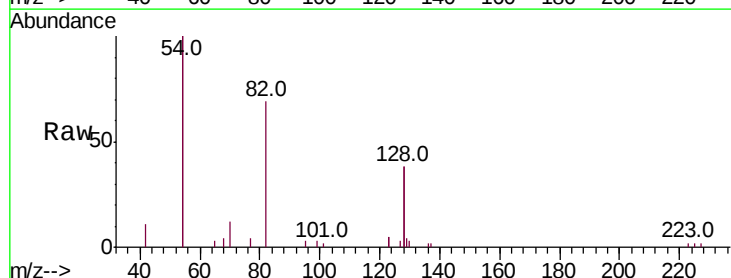
RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

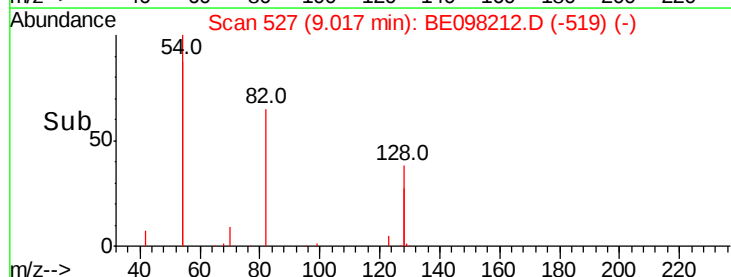
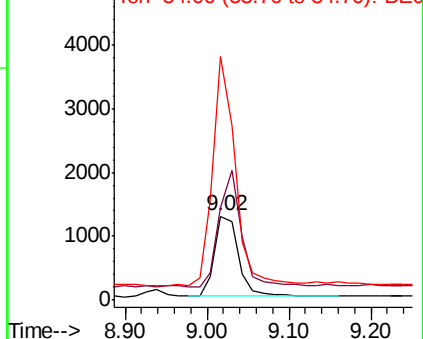
Lab File: BE098212.D

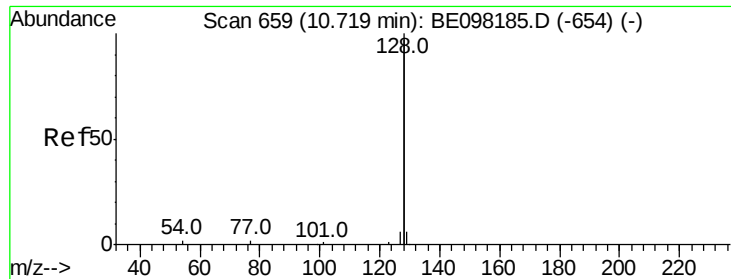
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 110.7 | 96.1  | 144.1 |
| 54      | 291.0 | 232.0 | 348.0 |



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: 0.387 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

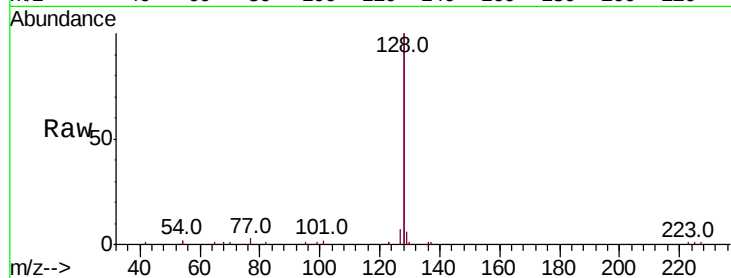
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 25907 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.1   | 2.6   | 4.0   |
| 127       | 3.5   | 2.8   | 4.2   |

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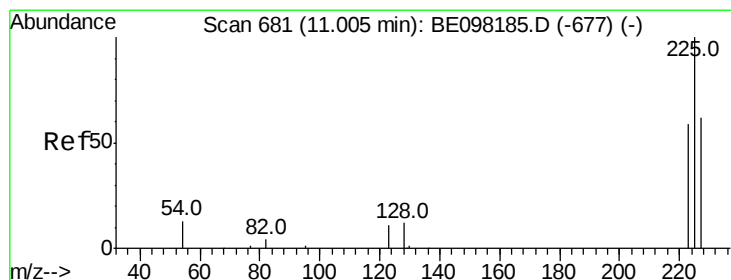
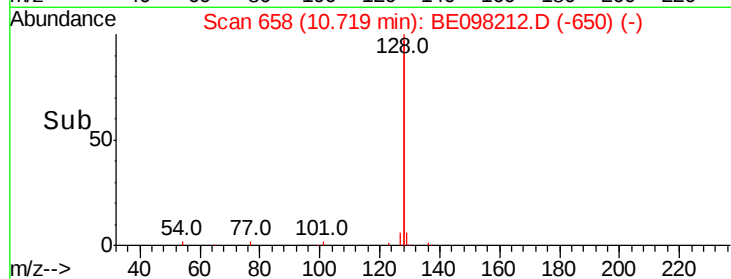
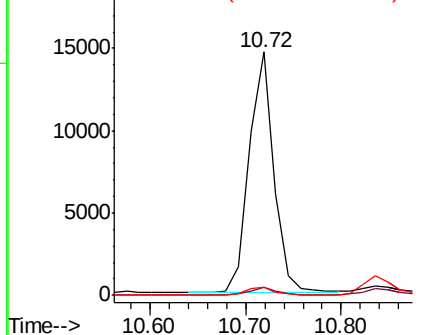
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.380 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098212.D

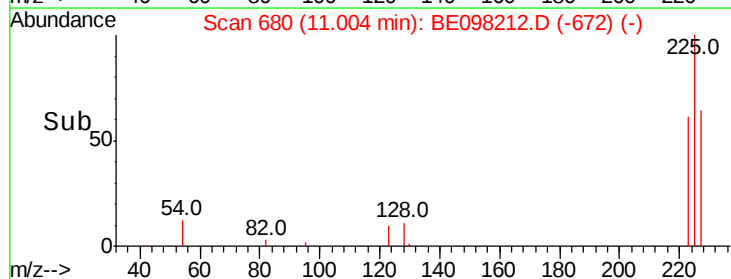
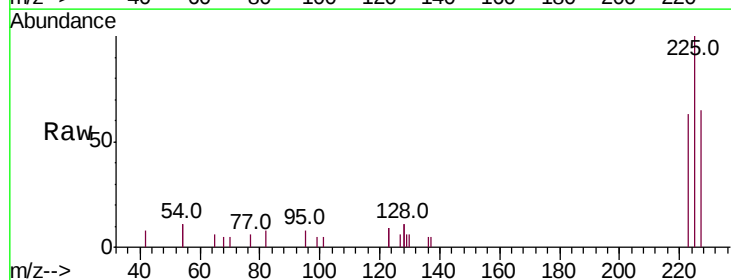
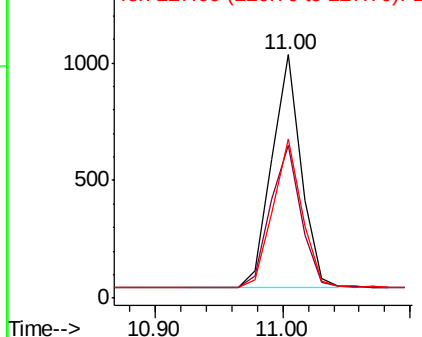
Acq: 13 Nov 2018 16:58

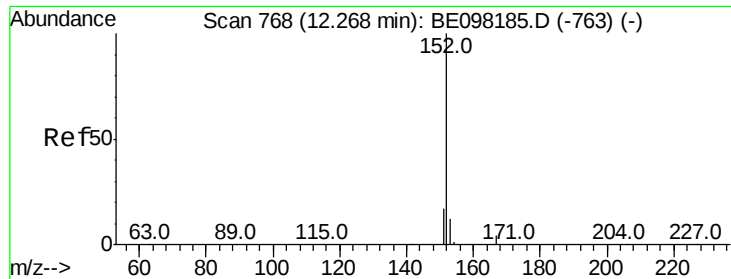
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1581 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.9  | 50.5  | 75.7 |
| 227       | 63.2  | 50.3  | 75.5 |

Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





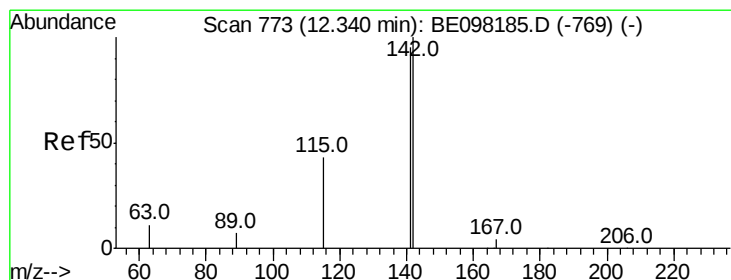
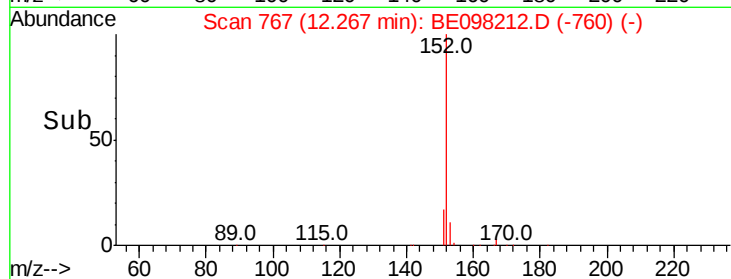
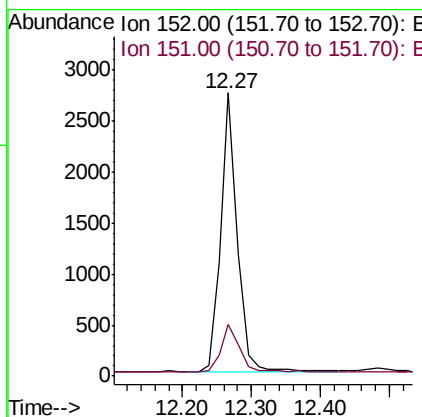
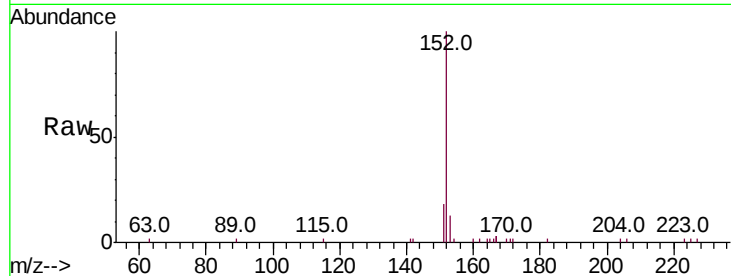
#11  
2-Methylnaphthalene-d10  
Concen: 0.394 ng  
RT: 12.27 min Scan# 767  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.9  | 15.4  | 23.2  |

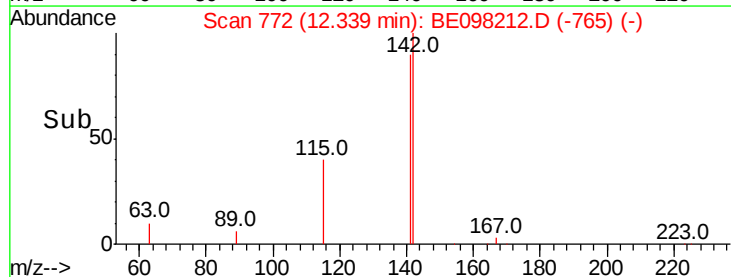
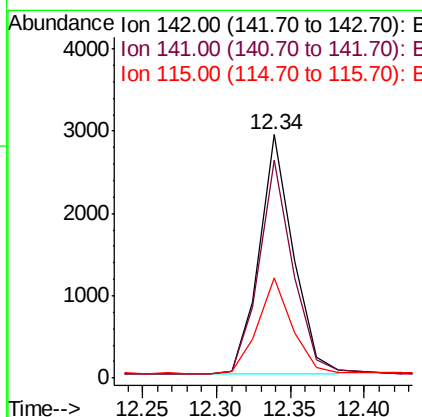
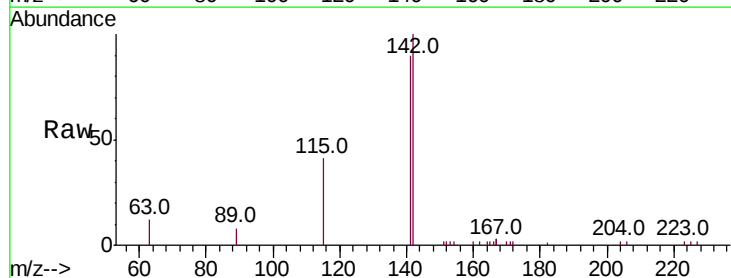
Manual Integrations  
APPROVED

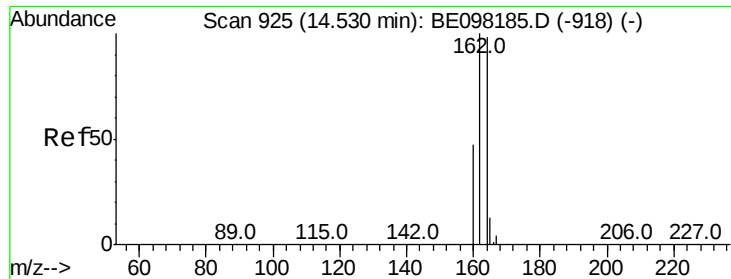
Sohil  
11/14/2018 5:20:07 PM



#12  
2-Methylnaphthalene  
Concen: 0.404 ng  
RT: 12.34 min Scan# 772  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.8  | 76.3  | 114.5 |
| 115     | 41.1  | 35.8  | 53.8  |





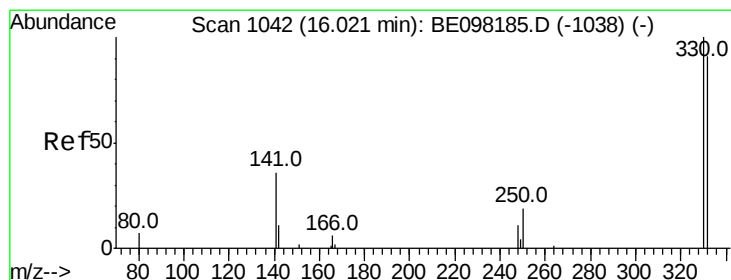
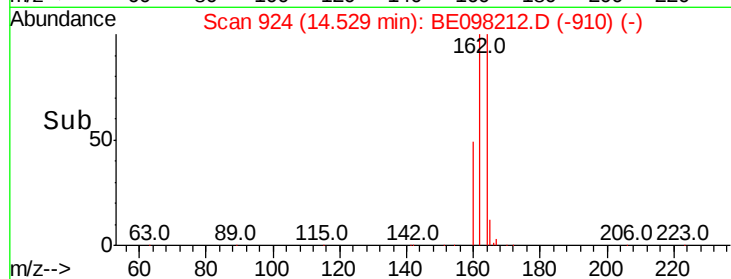
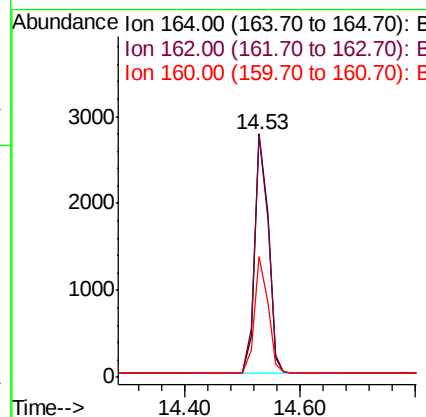
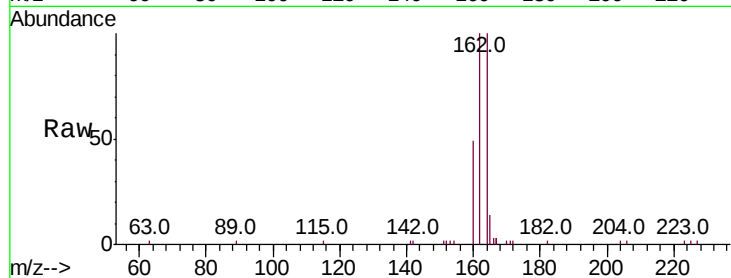
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.6  | 81.8  | 122.6 |
| 160     | 49.4  | 39.4  | 59.0  |

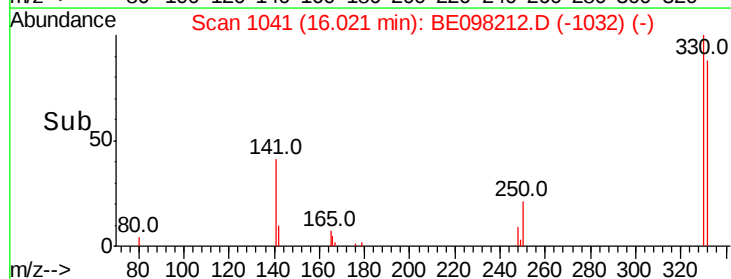
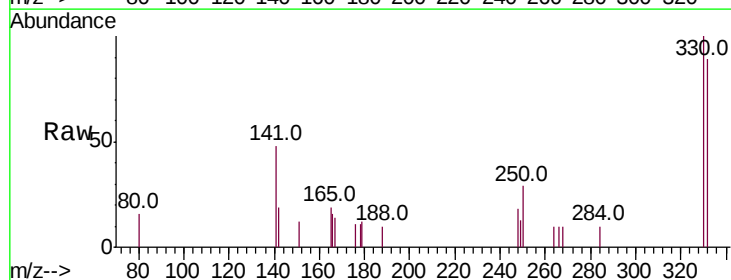
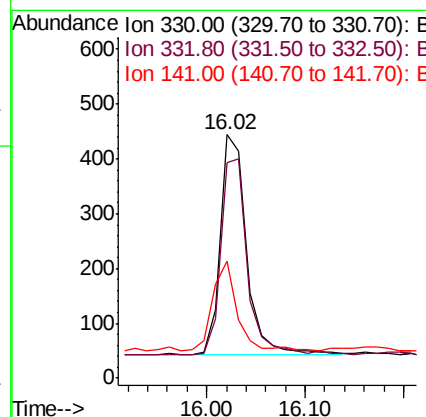
Manual Integrations  
APPROVED

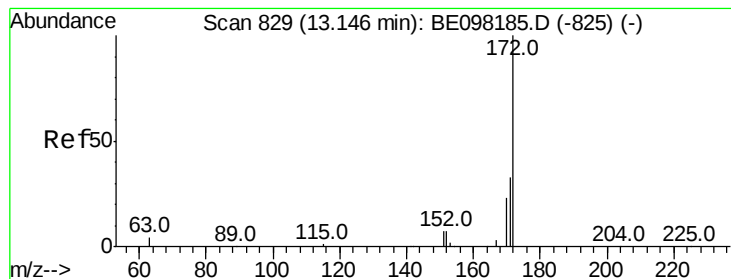
Sohil  
11/14/2018 5:20:07 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.371 ng  
RT: 16.02 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 89.7  | 77.7  | 116.5 |
| 141     | 36.8  | 33.6  | 50.4  |





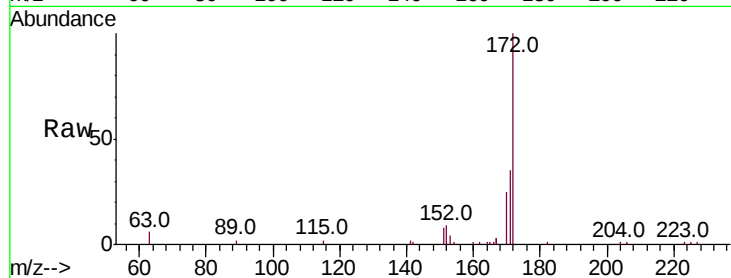
#15  
2-Fluorobiphenyl  
Concen: 0.358 ng  
RT: 13.15 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 27.3  | 40.9  |
| 170     | 24.8  | 19.4  | 29.0  |

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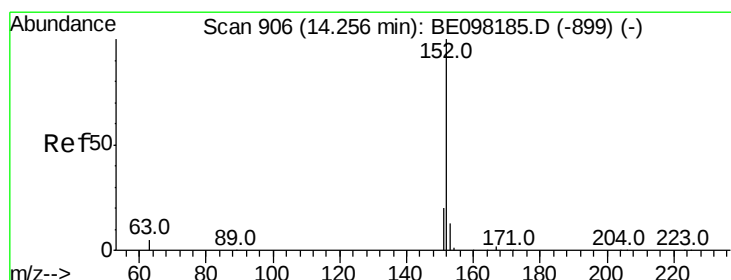
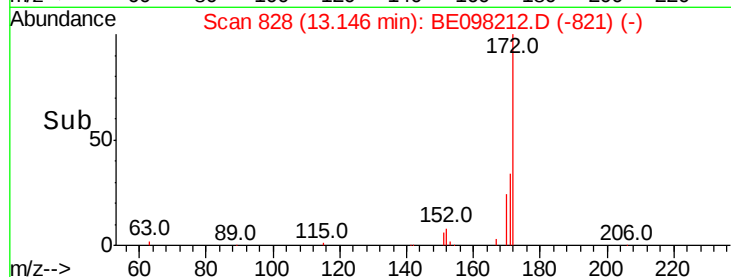
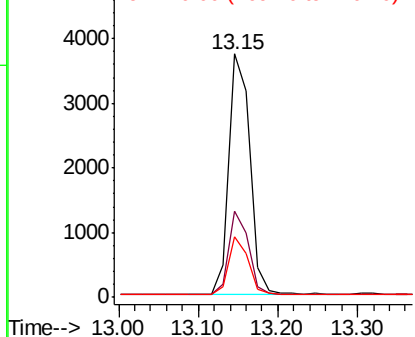


Abundance

Ion 172.00 (171.70 to 172.70): E

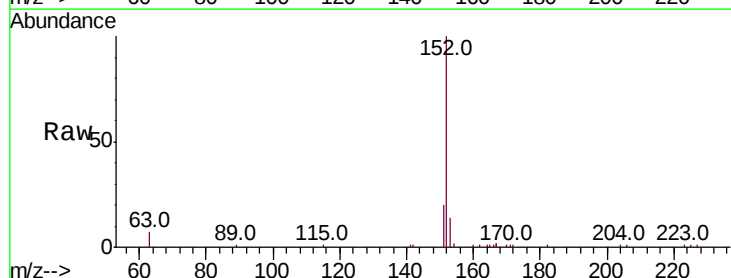
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16  
Acenaphthylene  
Concen: 0.390 ng  
RT: 14.26 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.3  | 16.4  | 24.6  |
| 153     | 13.2  | 10.6  | 15.8  |

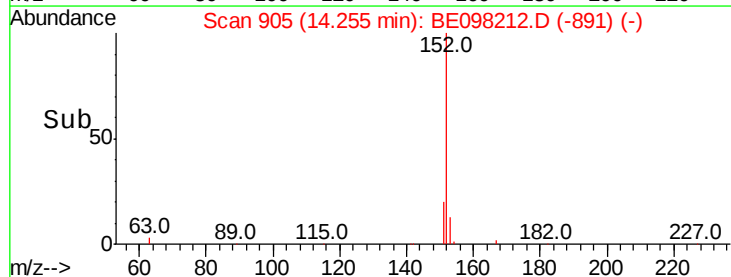
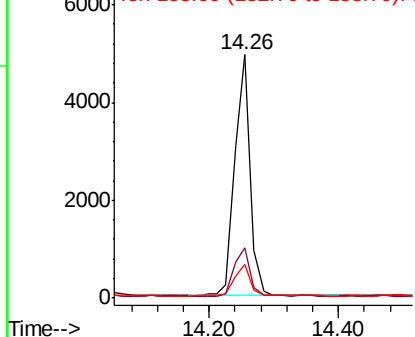


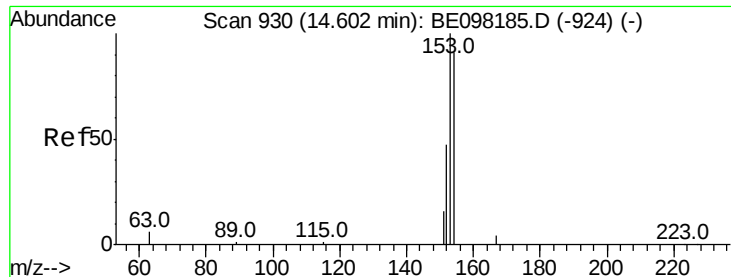
Abundance

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





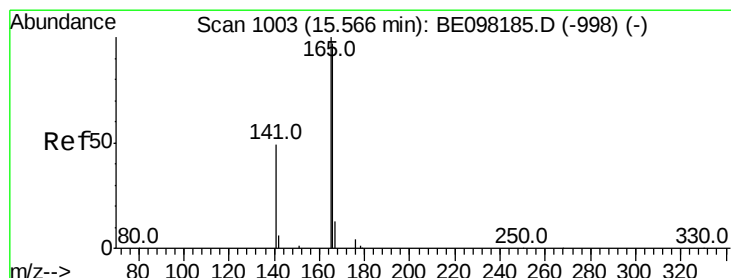
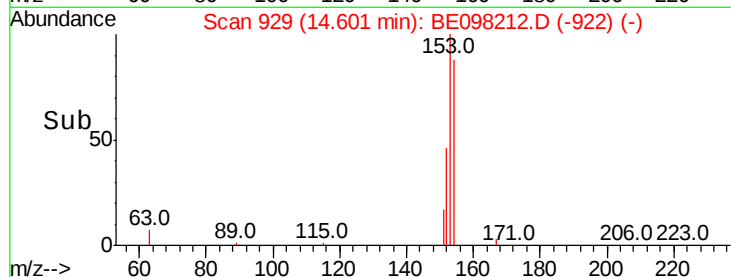
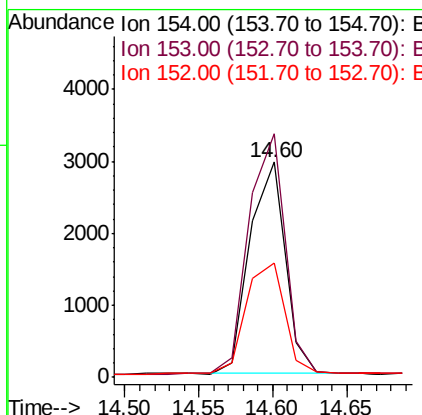
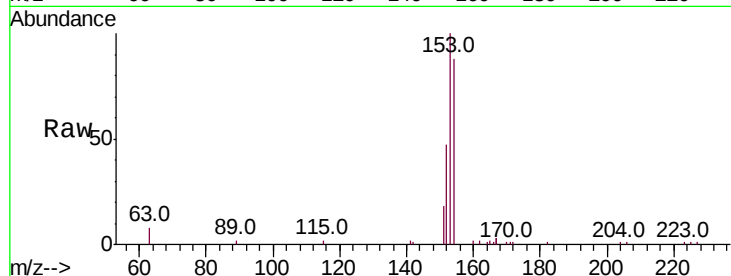
#17  
Acenaphthene  
Concen: 0.384 ng  
RT: 14.60 min Scan# 929  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 116.0 | 92.1  | 138.1 |
| 152     | 57.0  | 46.2  | 69.2  |

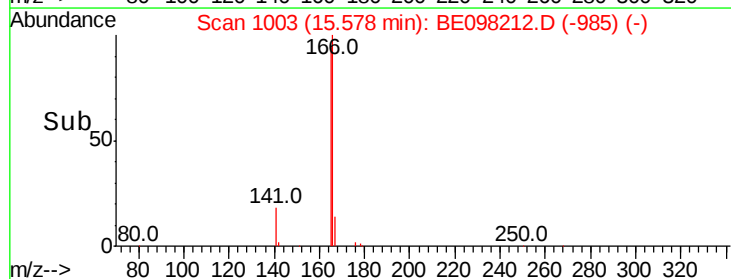
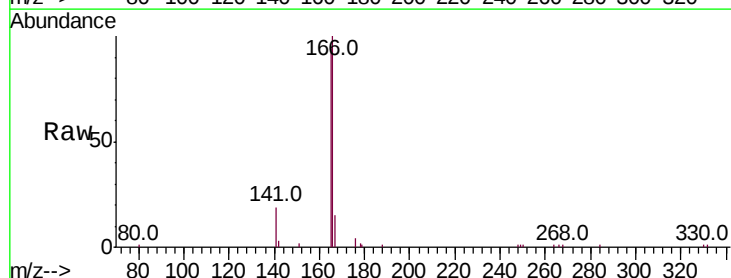
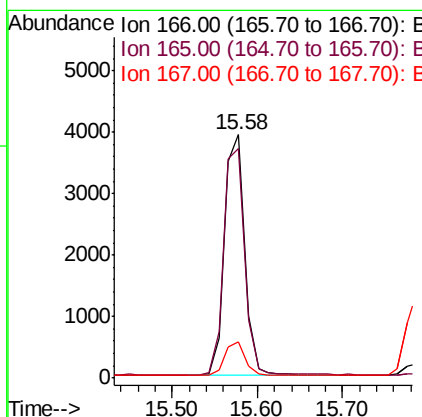
Manual Integrations  
APPROVED

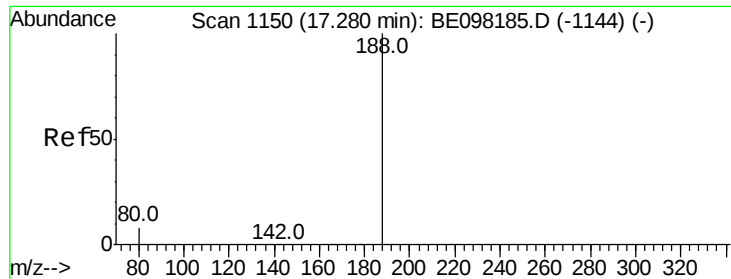
Sohil  
11/14/2018 5:20:07 PM



#18  
Fluorene  
Concen: 0.395 ng  
RT: 15.58 min Scan# 1003  
Delta R.T. 0.01 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.3  | 80.1  | 120.1 |
| 167     | 13.3  | 10.8  | 16.2  |





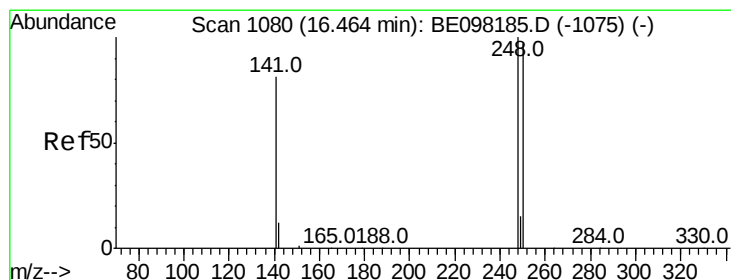
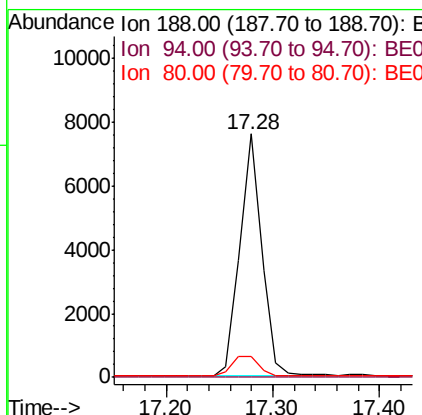
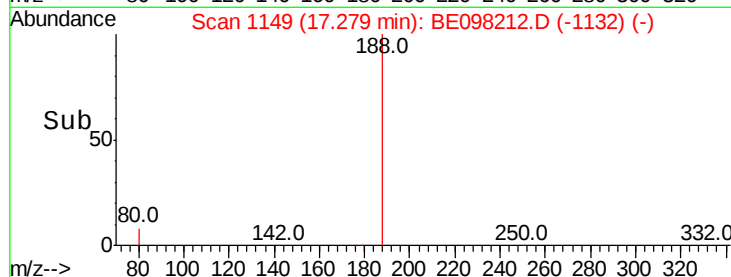
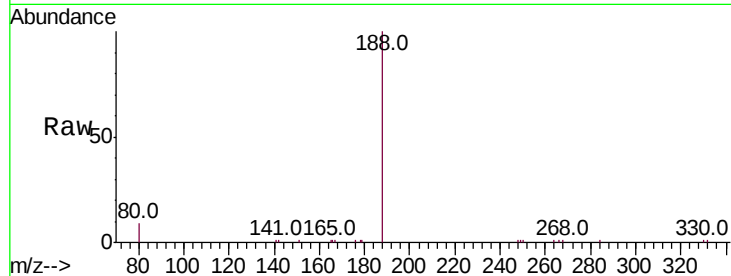
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.28 min Scan# 1149  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 0.0   | 0.0        | 0.0   |
| 80      | 8.5   | 6.7        | 10.1  |

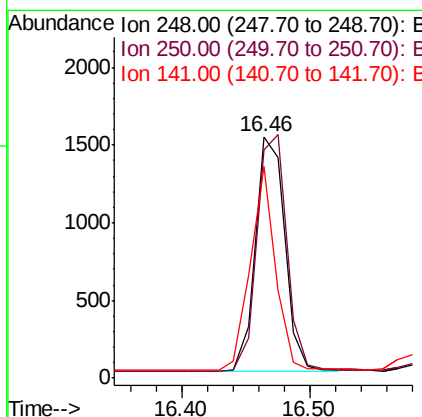
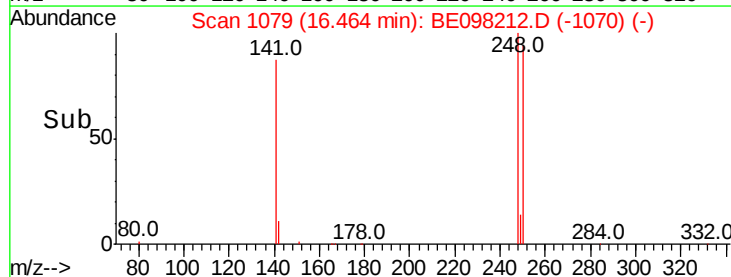
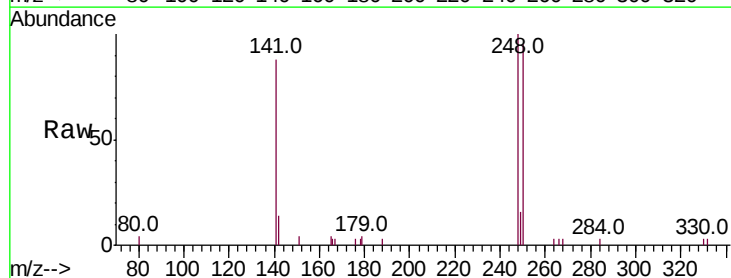
Manual Integrations  
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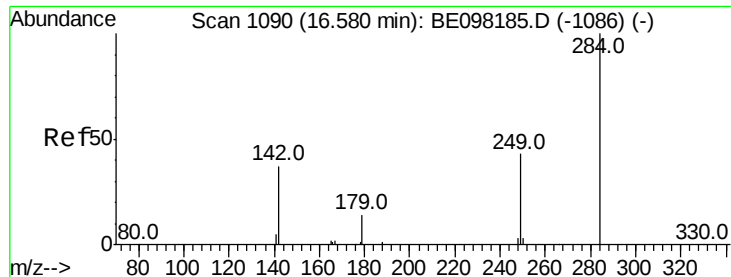
Sohil  
11/14/2018 5:20:07 PM



#20  
4-Bromophenyl-phenylether  
Concen: 0.370 ng  
RT: 16.46 min Scan# 1079  
Delta R.T. -0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 248     | 100   |            |       |
| 250     | 94.7  | 77.6       | 116.4 |
| 141     | 87.8  | 65.8       | 98.8  |





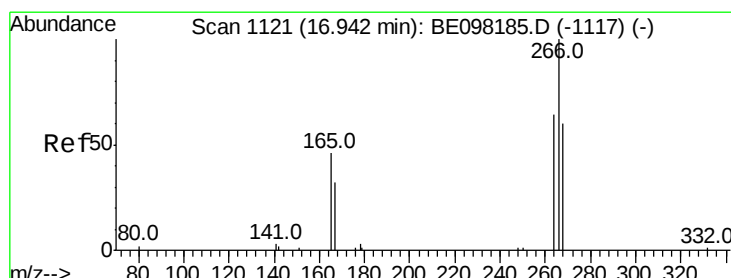
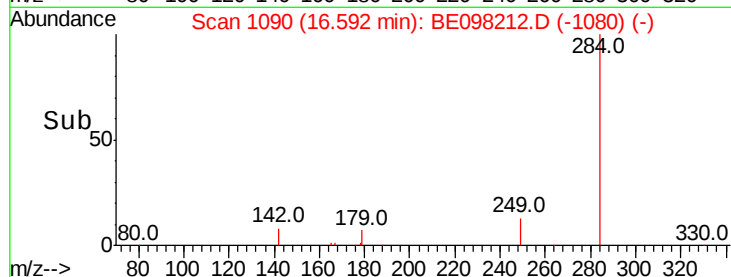
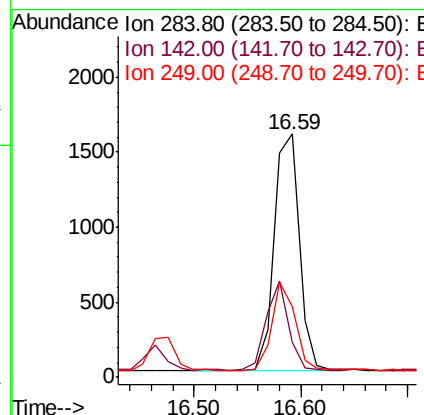
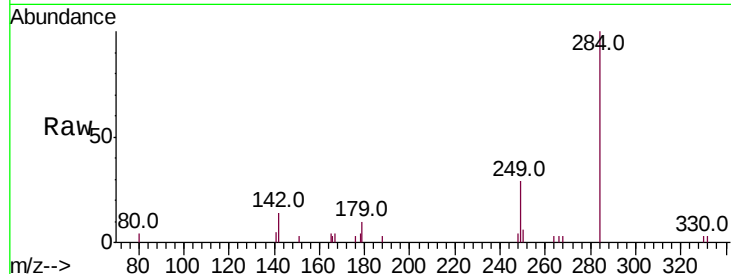
#21  
Hexachlorobenzene  
Concen: 0.378 ng  
RT: 16.59 min Scan# 1090  
Delta R.T. 0.01 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 33.3  | 26.5  | 39.7  |
| 249     | 34.2  | 28.4  | 42.6  |

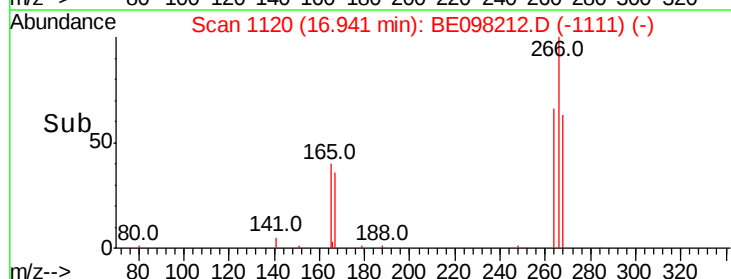
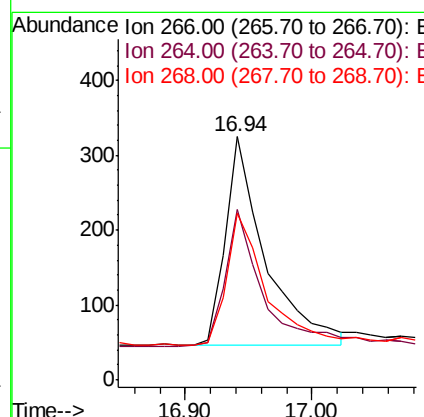
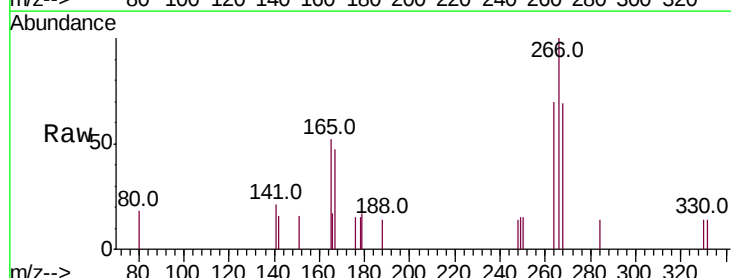
Manual Integrations  
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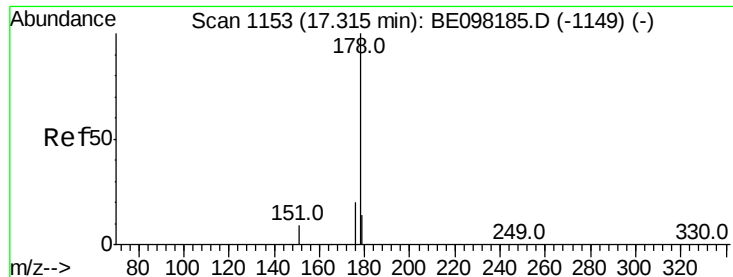
Sohil  
11/14/2018 5:20:07 PM



#22  
Pentachlorophenol  
Concen: 0.478 ng m  
RT: 16.94 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 69.8  | 57.6  | 86.4  |
| 268     | 68.6  | 56.8  | 85.2  |





#23

Phenanthrene

Concen: 0.387 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

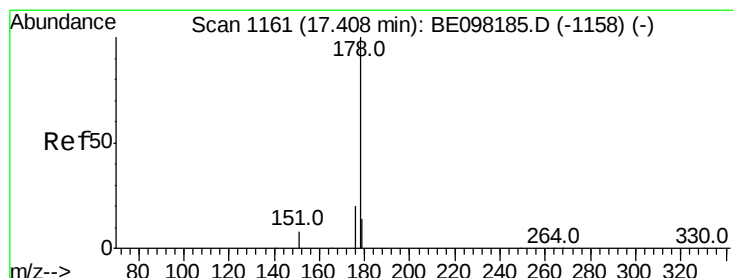
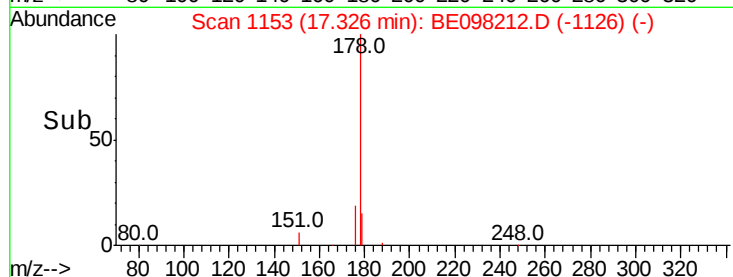
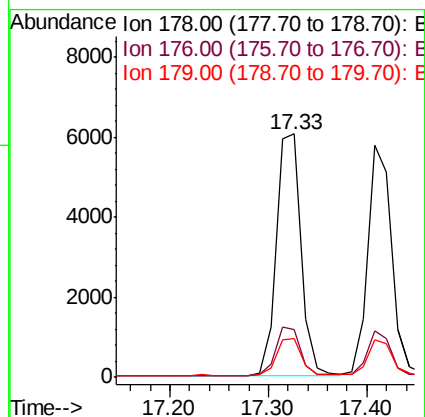
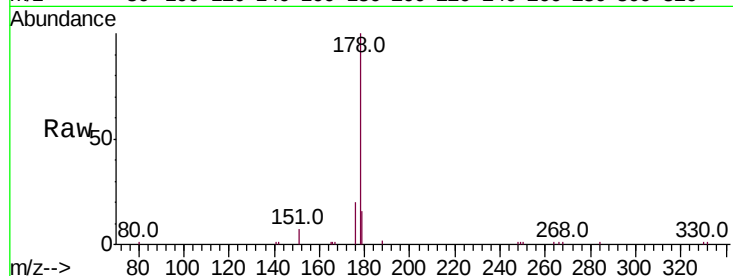
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 10429 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.9  | 15.8  | 23.8  |
| 179       | 15.1  | 12.3  | 18.5  |

Manual Integrations  
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#24

Anthracene

Concen: 0.379 ng

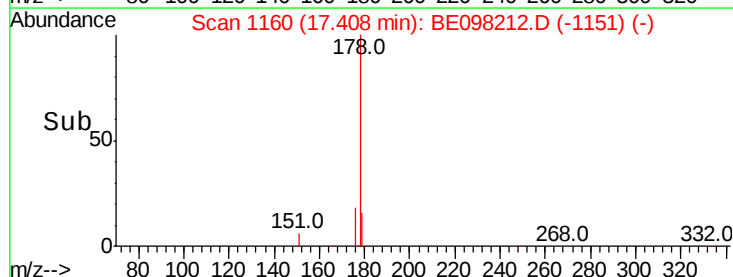
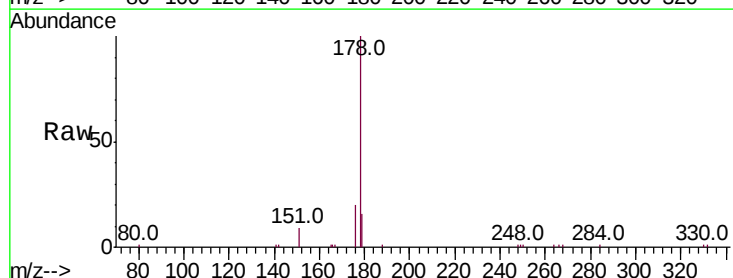
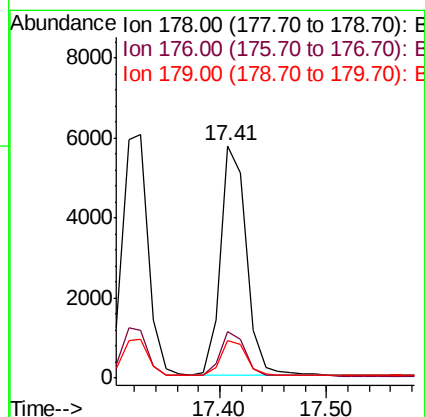
RT: 17.41 min Scan# 1160

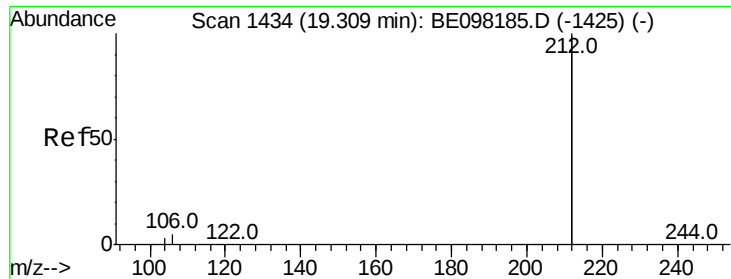
Delta R.T. -0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 9520 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.9  | 15.7  | 23.5 |
| 179       | 15.5  | 12.1  | 18.1 |





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.31 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

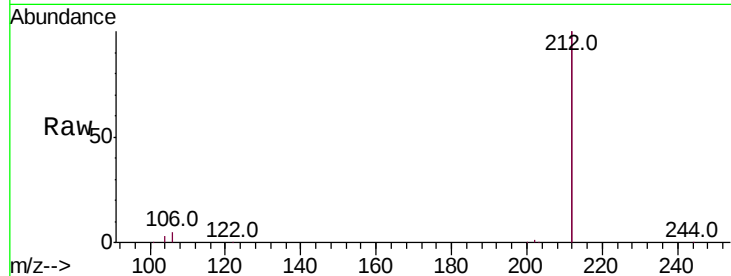
ClientSampleId :

SSTDCCC0.4

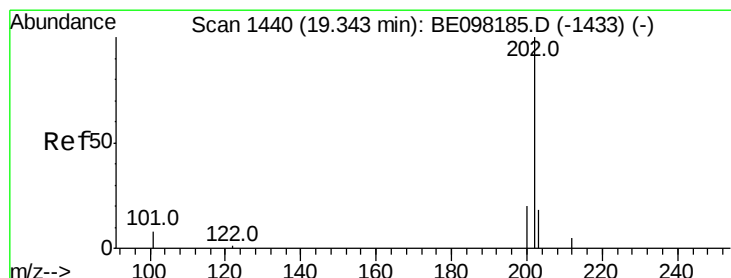
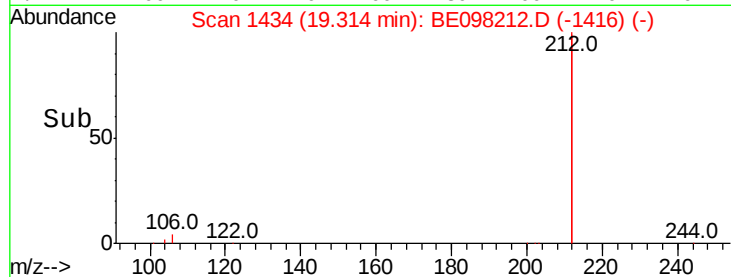
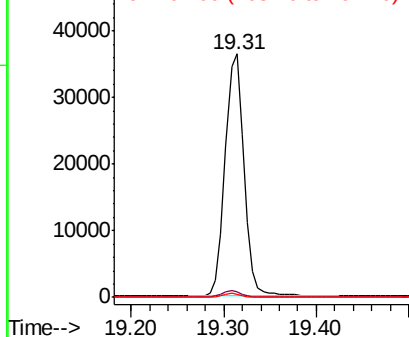
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 51336 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.5   | 1.8   | 2.8   |
| 104       | 1.5   | 1.1   | 1.7   |

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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: 0.384 ng

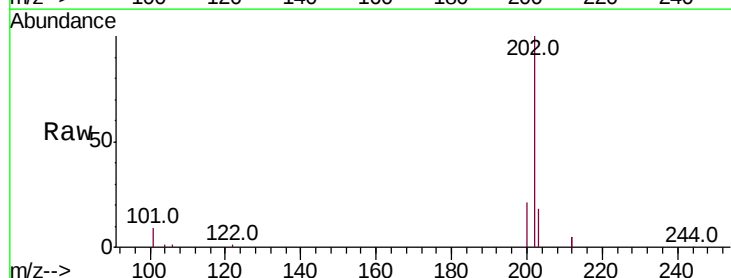
RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

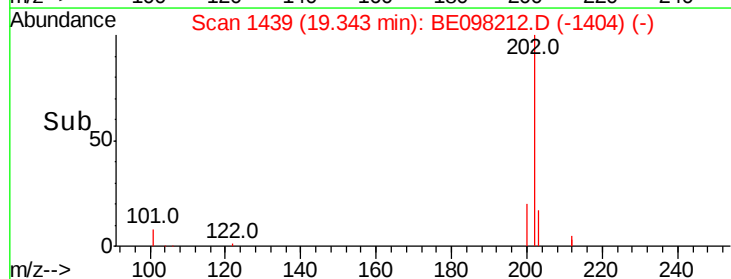
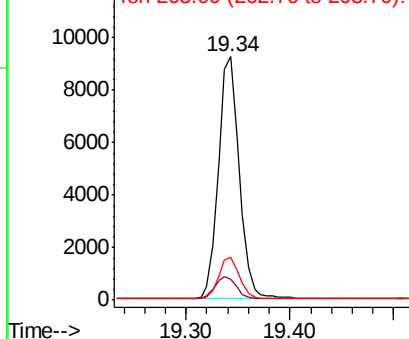
Lab File: BE098212.D

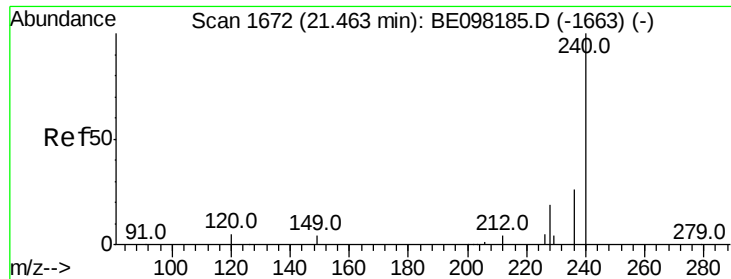
Acq: 13 Nov 2018 16:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 12820 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.7   | 7.0   | 10.6  |
| 203       | 17.1  | 13.7  | 20.5  |



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





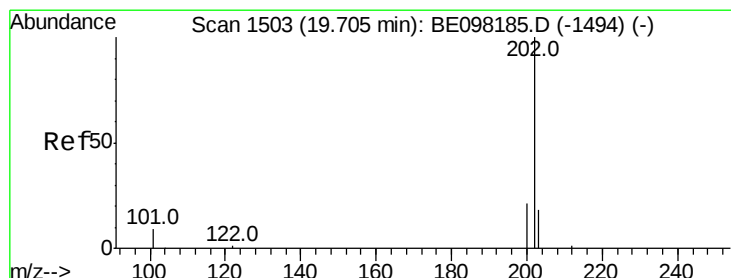
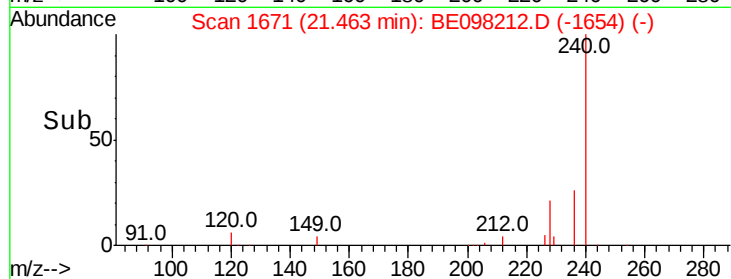
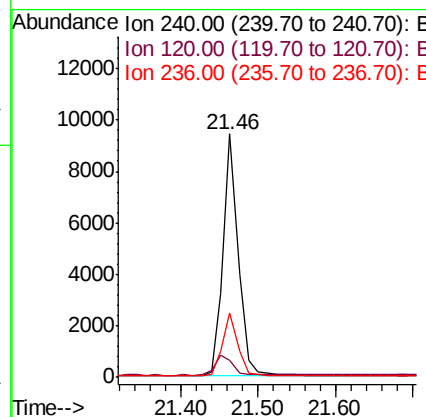
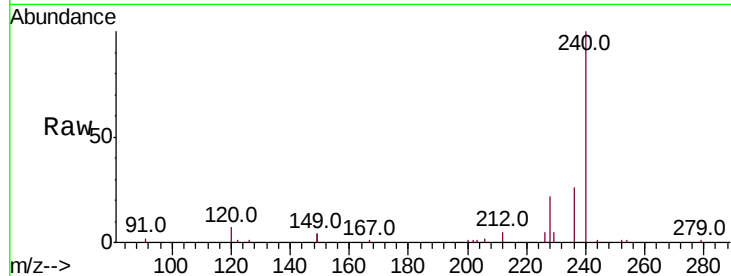
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.46 min Scan# 1671  
 Delta R.T. 0.00 min  
 Lab File: BE098212.D  
 Acq: 13 Nov 2018 16:58

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.8   | 4.8   | 7.2   |
| 236     | 26.5  | 21.4  | 32.0  |

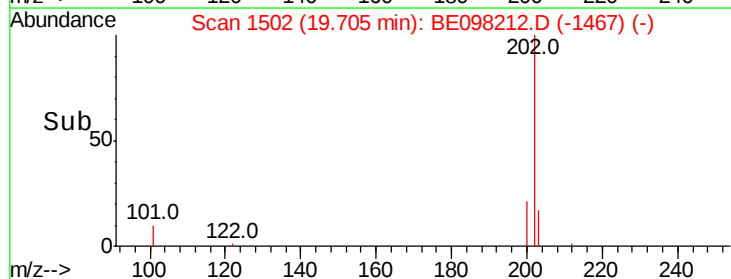
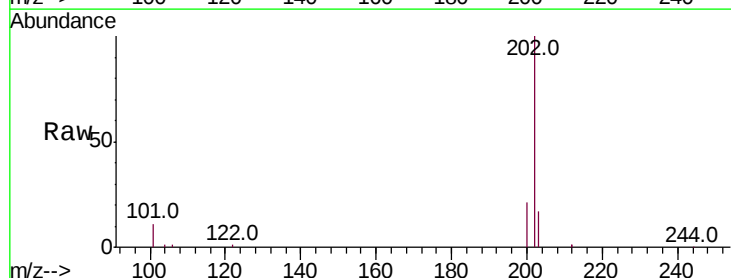
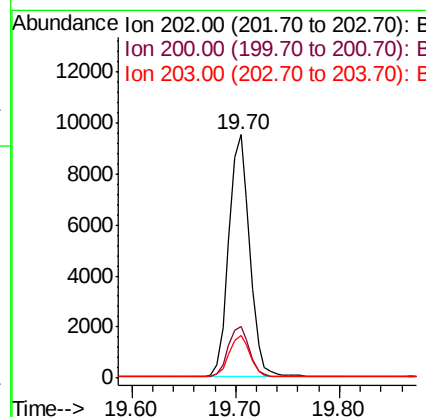
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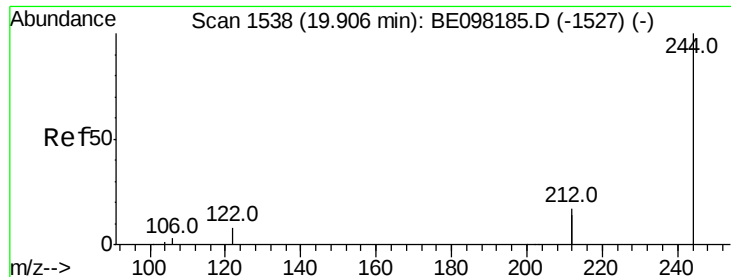
Sohil  
 11/14/2018 5:20:07 PM



#28  
 Pyrene  
 Concen: 0.374 ng  
 RT: 19.70 min Scan# 1502  
 Delta R.T. -0.00 min  
 Lab File: BE098212.D  
 Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.4  | 17.2  | 25.8  |
| 203     | 17.3  | 14.2  | 21.4  |





#29

Terphenyl-d14

Concen: 0.362 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

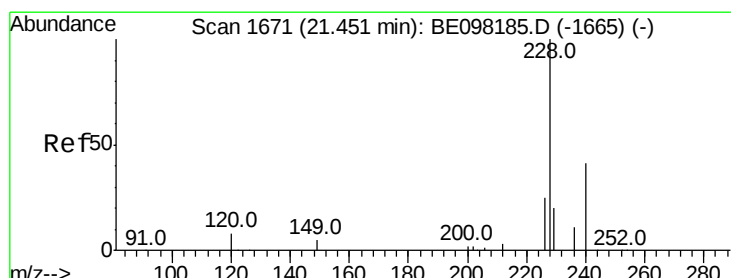
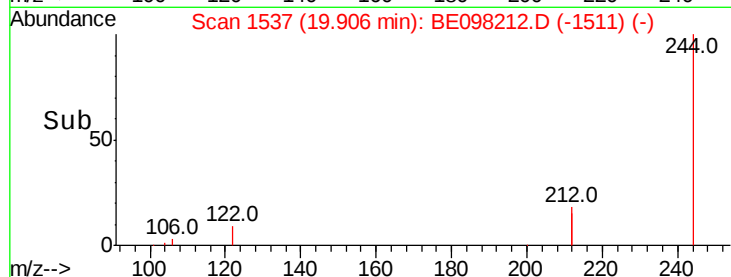
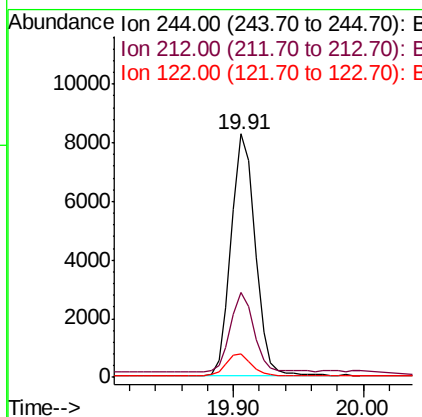
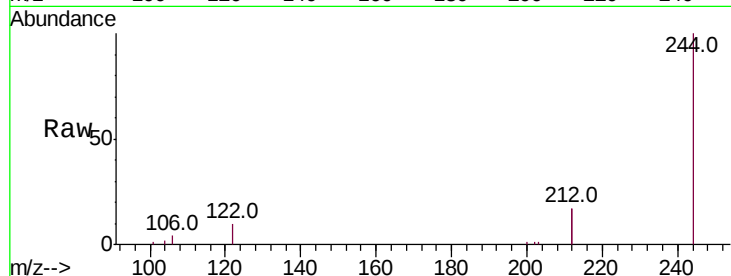
ClientSampleId :

SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 34.8  | 26.8  | 40.2  |
| 122     | 9.7   | 7.0   | 10.6  |

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#30

Benzo(a)anthracene

Concen: 0.375 ng

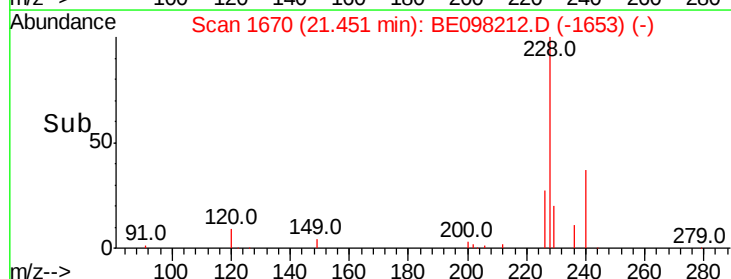
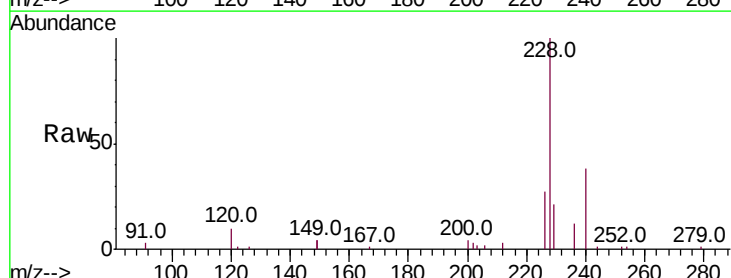
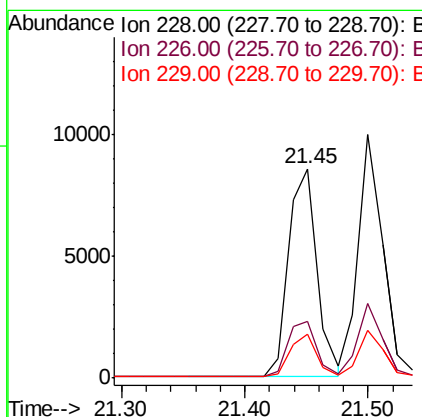
RT: 21.45 min Scan# 1670

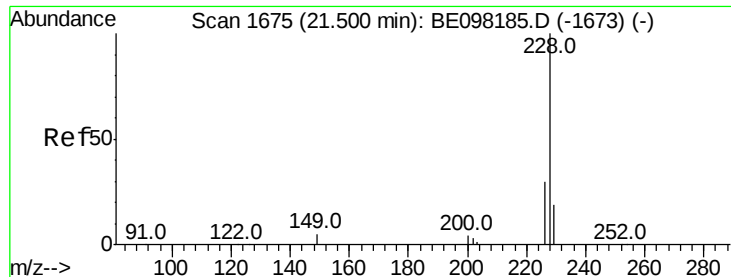
Delta R.T. 0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.1  | 20.7  | 31.1  |
| 229     | 20.8  | 16.2  | 24.4  |





#31

Chrysene

Concen: 0.369 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

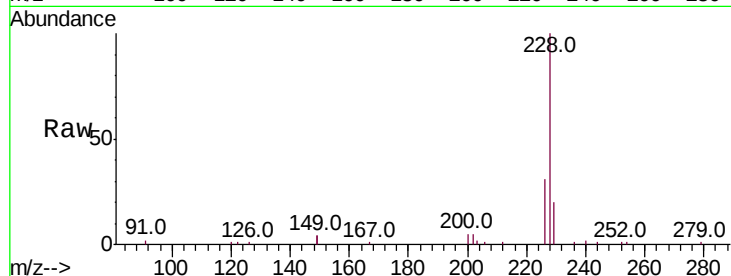
ClientSampled :

SSTDCCC0.4

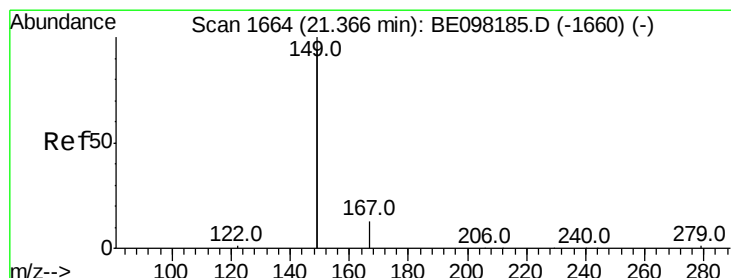
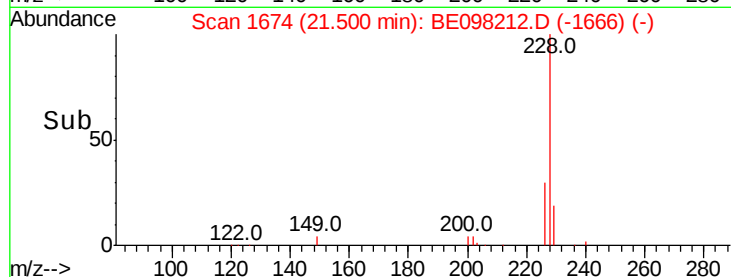
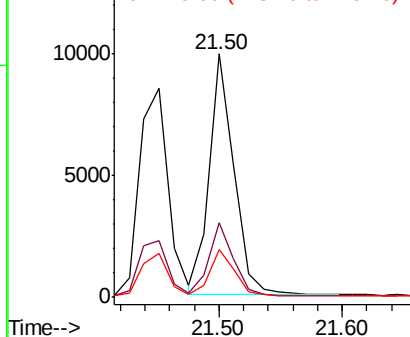
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 228   | Resp: | 13786 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 30.8  | 24.6  | 36.8  |
| 229      | 19.8  | 16.0  | 24.0  |

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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: 0.406 ng

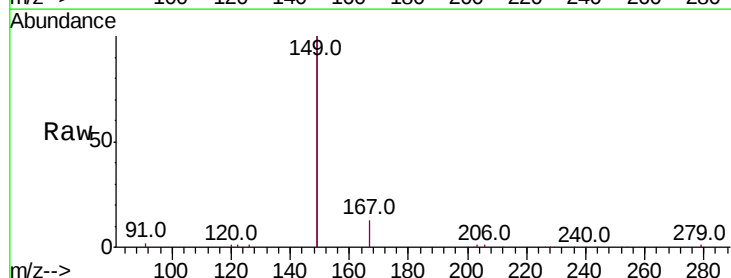
RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

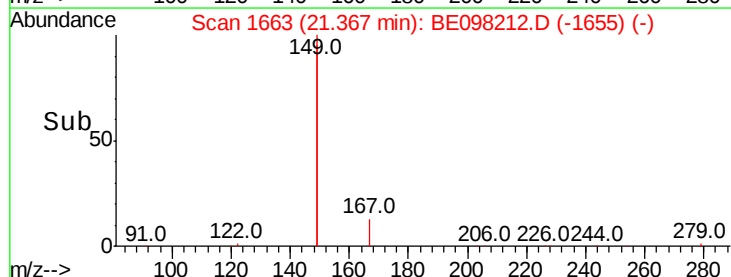
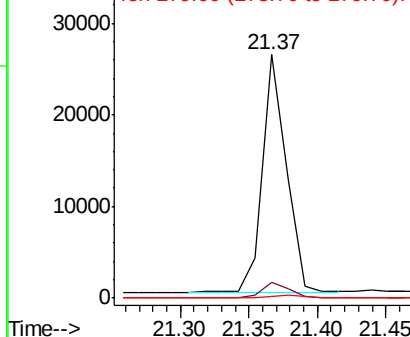
Lab File: BE098212.D

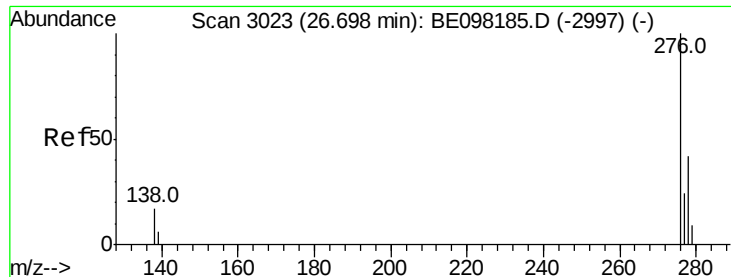
Acq: 13 Nov 2018 16:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 31039 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 6.7   | 5.6   | 8.4   |
| 279      | 1.1   | 0.9   | 1.3   |



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





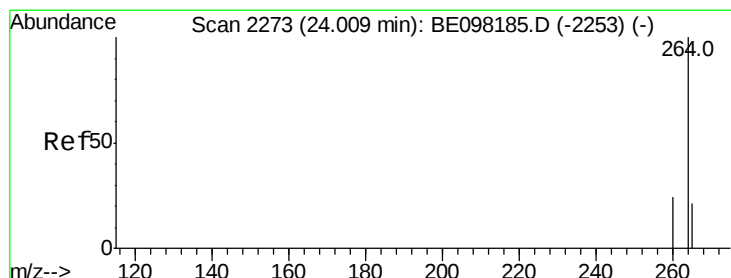
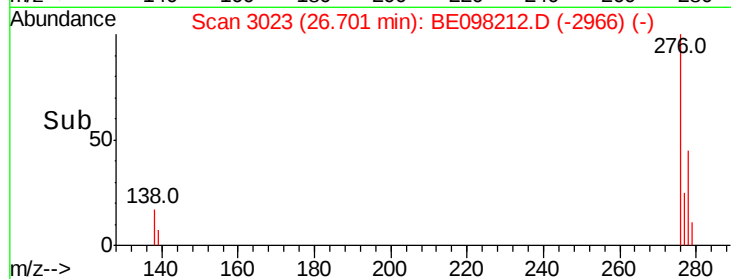
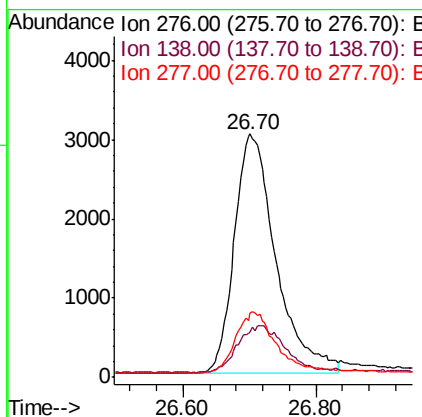
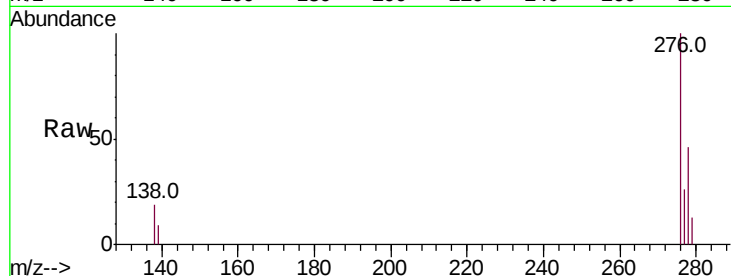
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.384 ng  
RT: 26.70 min Scan# 3023  
Delta R.T. 0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 6.4   | 9.6#  |
| 277     | 25.6  | 18.9  | 28.3  |

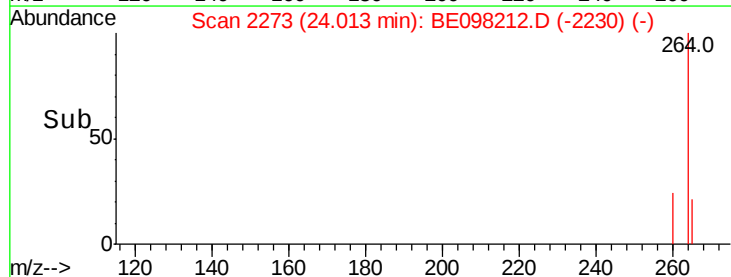
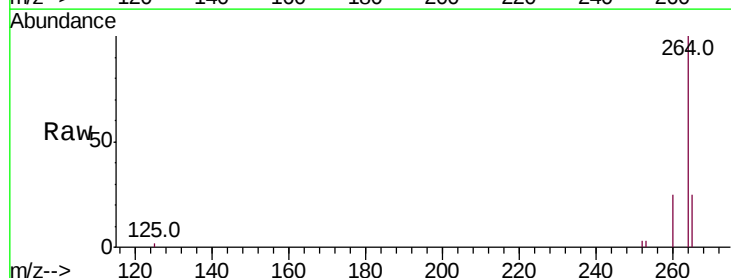
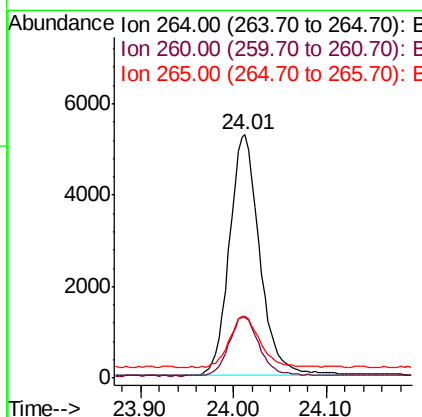
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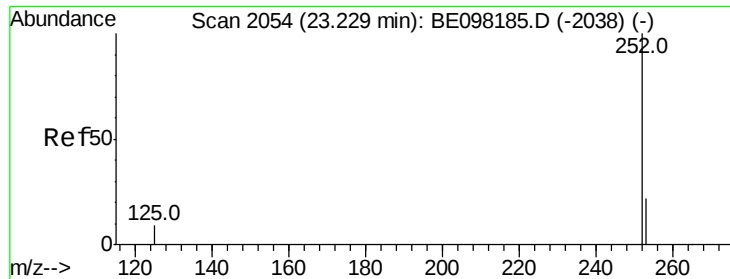
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.01 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 19.9  | 29.9  |
| 265     | 25.2  | 21.3  | 31.9  |





#35

Benzo(b)fluoranthene

Concen: 0.378 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

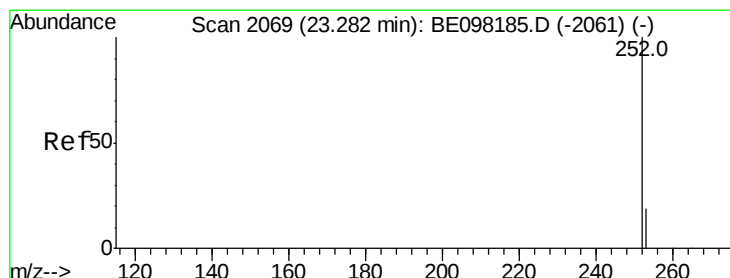
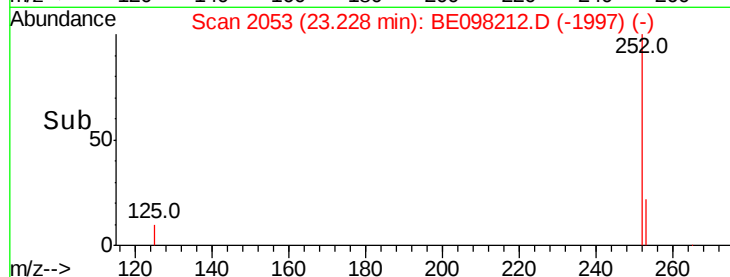
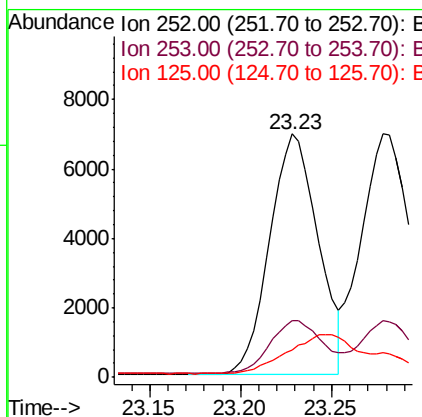
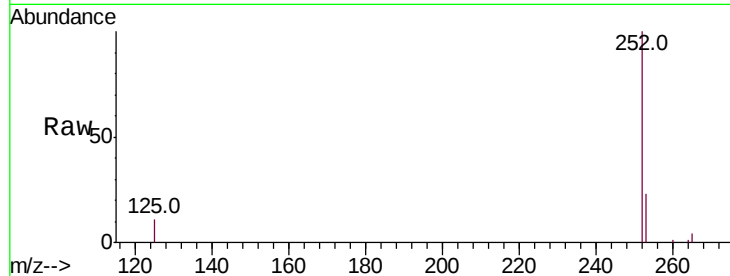
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 12783 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.5  | 19.4  | 29.0  |
| 125       | 11.3  | 8.6   | 12.8  |

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#36

Benzo(k)fluoranthene

Concen: 0.387 ng

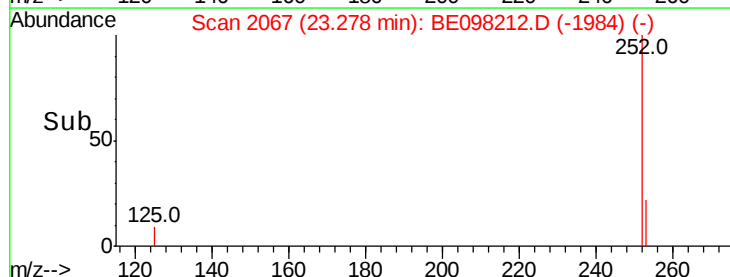
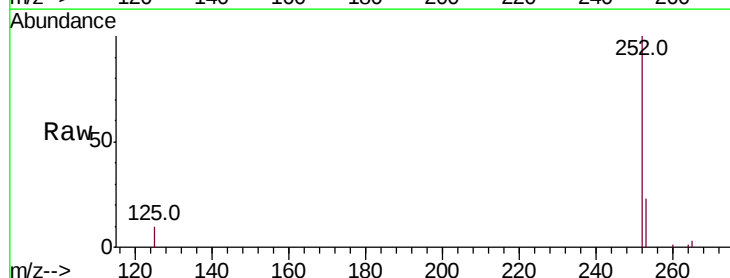
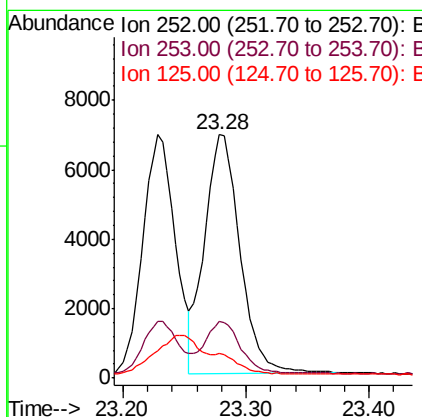
RT: 23.28 min Scan# 2067

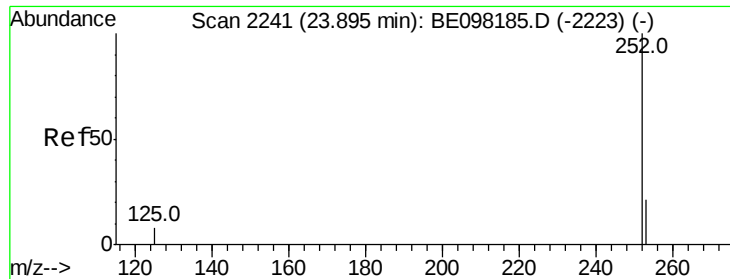
Delta R.T. -0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 13831 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.3  | 18.6  | 28.0  |
| 125       | 10.3  | 7.4   | 11.0  |





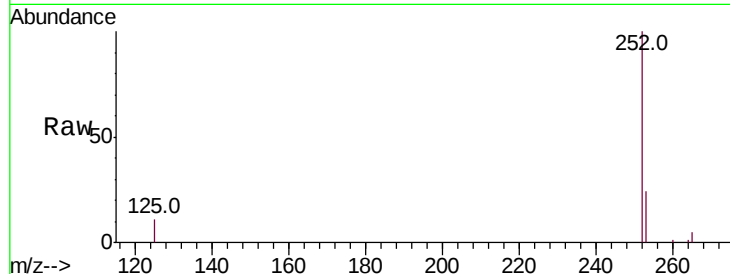
#37  
Benzo(a)pyrene  
Concen: 0.381 ng  
RT: 23.90 min Scan# 2241  
Delta R.T. 0.00 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

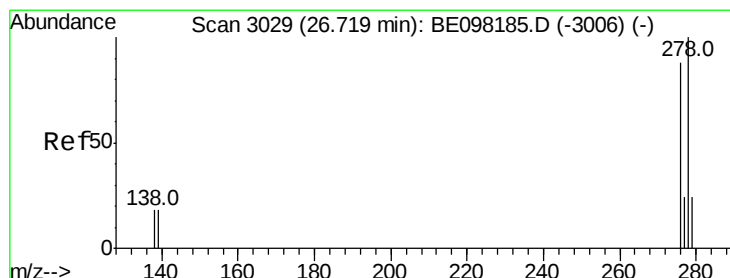
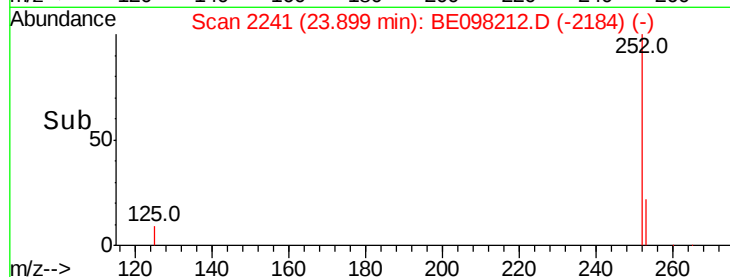
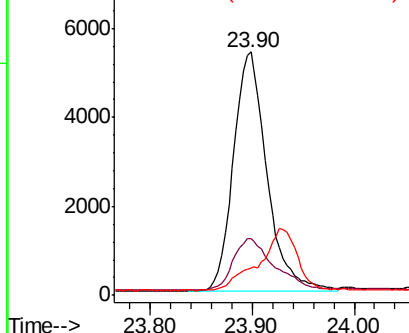
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 18.6  | 27.8  |
| 125     | 11.3  | 8.0   | 12.0  |

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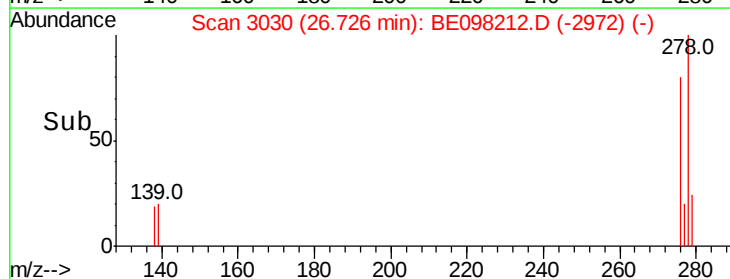
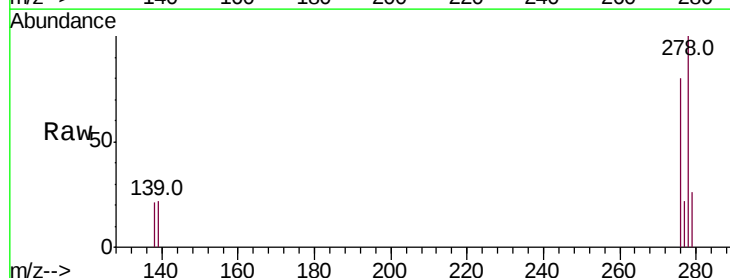
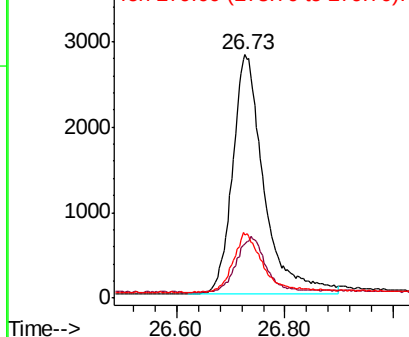
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

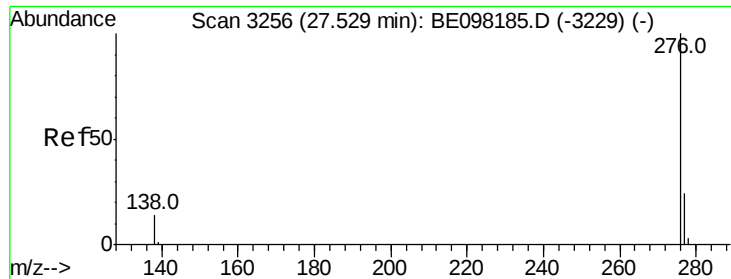


#38  
Dibenzo(a,h)anthracene  
Concen: 0.407 ng  
RT: 26.73 min Scan# 3030  
Delta R.T. 0.01 min  
Lab File: BE098212.D  
Acq: 13 Nov 2018 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.0  | 16.4  | 24.6  |
| 279     | 25.7  | 21.3  | 31.9  |

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: 0.380 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.00 min

Lab File: BE098212.D

Acq: 13 Nov 2018 16:58

Instrument :

BNA\_E

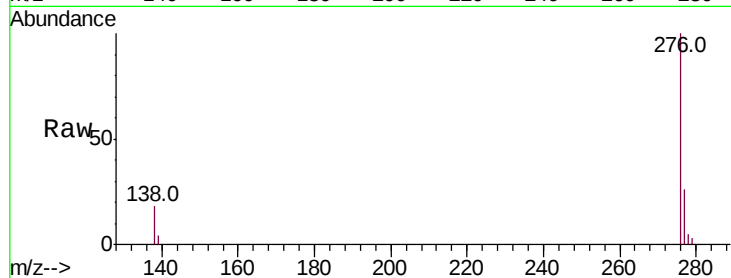
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 10966 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.5  | 20.4  | 30.6  |
| 138       | 17.8  | 13.2  | 19.8  |

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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

