

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051618\  
 Data File : BE096587.D  
 Acq On : 16 May 2018 8:41  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

Sohil  
 5/17/2018 5:05:46 PM

Quant Time: May 17 03:54:32 2018  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 15 13:02:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 682      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.18 | 136  | 2797     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.92 | 164  | 1640     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.64 | 188  | 3658     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.73 | 240  | 3484     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.33 | 264  | 3209     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.85  | 112 | 794   | 0.42 | ng | 0.00 |
| 5) Phenol-d6                | 7.50  | 99  | 1088  | 0.41 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.53  | 82  | 1223m | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.72 | 152 | 1866  | 0.41 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.40 | 330 | 262   | 0.40 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.56 | 172 | 2913  | 0.41 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.62 | 212 | 18314 | 0.41 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.18 | 244 | 3331  | 0.42 | ng | 0.00 |

|                                |       |     |       |       |        |      |
|--------------------------------|-------|-----|-------|-------|--------|------|
| Target Compounds               |       |     |       |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.58  | 88  | 399   | 0.390 | ng     | 88   |
| 3) n-Nitrosodimethylamine      | 3.95  | 42  | 505   | 0.395 | ng     | # 75 |
| 6) bis(2-Chloroethyl)ether     | 7.75  | 93  | 1024  | 0.411 | ng     | 94   |
| 9) Naphthalene                 | 11.22 | 128 | 12294 | 0.418 | ng     | 99   |
| 10) Hexachlorobutadiene        | 11.49 | 225 | 618   | 0.376 | ng     | 93   |
| 12) 2-Methylnaphthalene        | 12.79 | 142 | 2067  | 0.410 | ng     | # 94 |
| 16) Acenaphthylene             | 14.66 | 152 | 3440  | 0.402 | ng     | 99   |
| 17) Acenaphthene               | 14.99 | 154 | 2084  | 0.399 | ng     | 90   |
| 18) Fluorene                   | 15.96 | 166 | 2649  | 0.408 | ng     | # 62 |
| 20) 4-Bromophenyl-phenylether  | 16.82 | 248 | 921   | 0.415 | ng     | # 80 |
| 21) Hexachlorobenzene          | 16.95 | 284 | 979   | 0.423 | ng     | # 80 |
| 22) Pentachlorophenol          | 17.31 | 266 | 162   | 0.400 | ng     | 85   |
| 23) Phenanthrene               | 17.67 | 178 | 4206  | 0.409 | ng     | 98   |
| 24) Anthracene                 | 17.77 | 178 | 3860  | 0.404 | ng     | # 95 |
| 26) Fluoranthene               | 19.65 | 202 | 4971  | 0.405 | ng     | # 97 |
| 28) Pyrene                     | 20.00 | 202 | 2668  | 0.424 | ng     | 96   |
| 30) Benzo(a)anthracene         | 21.72 | 228 | 4418  | 0.413 | ng     | 96   |
| 31) Chrysene                   | 21.78 | 228 | 4583  | 0.411 | ng     | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 9396  | 0.410 | ng     | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 27.09 | 276 | 4414  | 0.413 | ng     | # 93 |
| 35) Benzo(b)fluoranthene       | 23.52 | 252 | 4074  | 0.412 | ng     | # 91 |
| 36) Benzo(k)fluoranthene       | 23.58 | 252 | 4247  | 0.405 | ng     | # 92 |
| 37) Benzo(a)pyrene             | 24.21 | 252 | 3897  | 0.412 | ng     | # 92 |
| 38) Dibenzo(a,h)anthracene     | 27.11 | 278 | 3561  | 0.412 | ng     | 97   |
| 39) Benzo(g,h,i)perylene       | 27.96 | 276 | 3761  | 0.415 | ng     | # 92 |

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

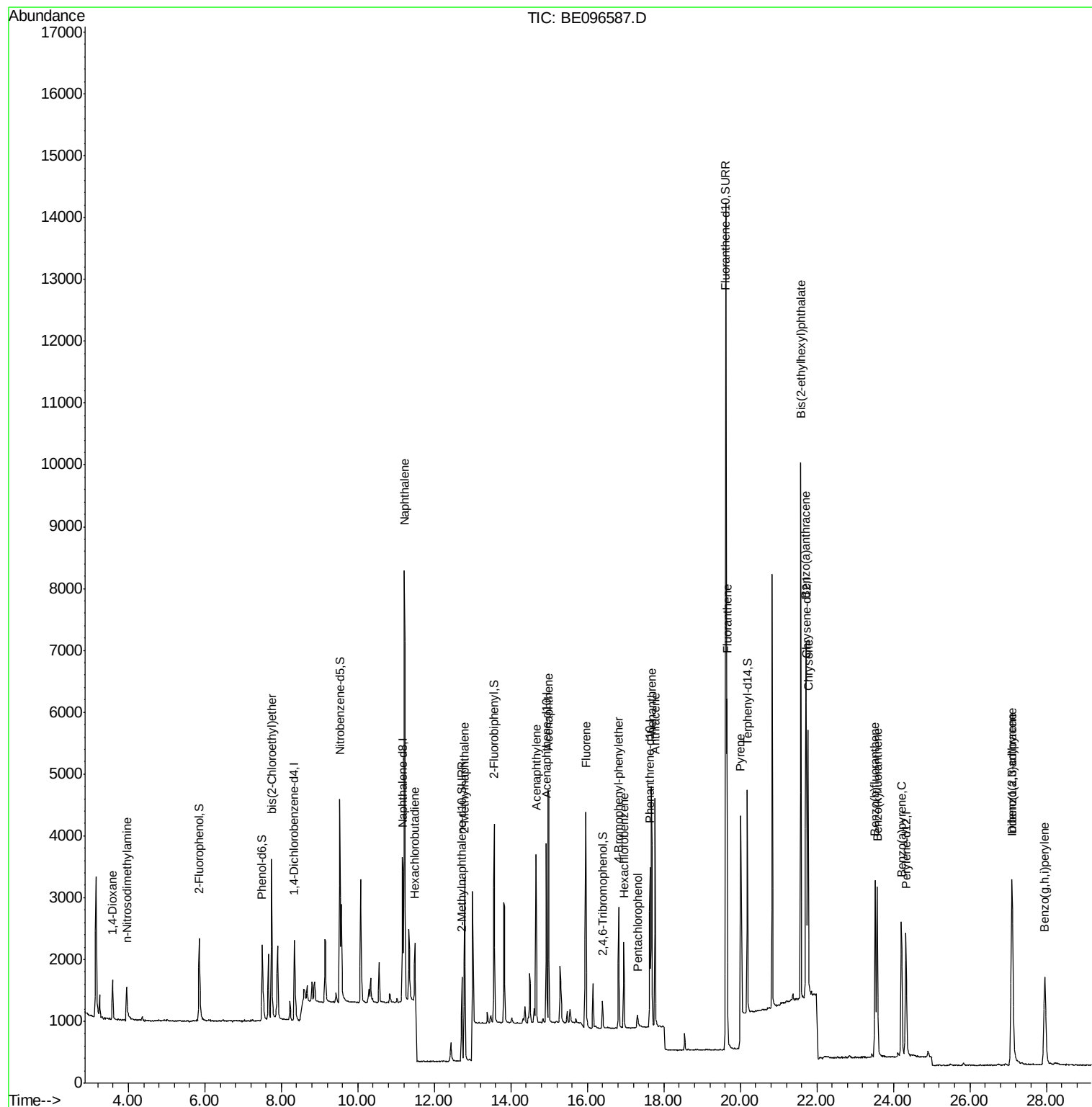
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051618\  
Data File : BE096587.D  
Acq On : 16 May 2018 8:41  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

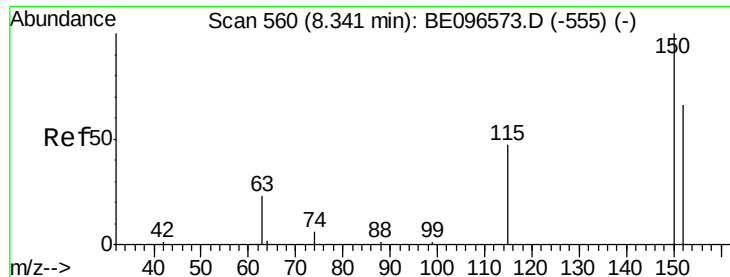
Instrument :  
BNA\_E  
ClientSampled :  
SSTDCCC0.4

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Quant Time: May 17 03:54:32 2018  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 15 13:02:03 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.34 min Scan# 560

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

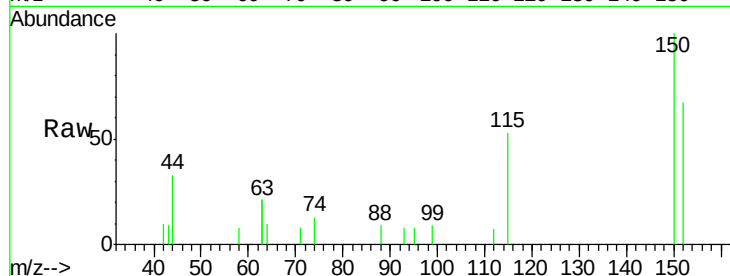
ClientSampleId :

SSTDCCC0.4

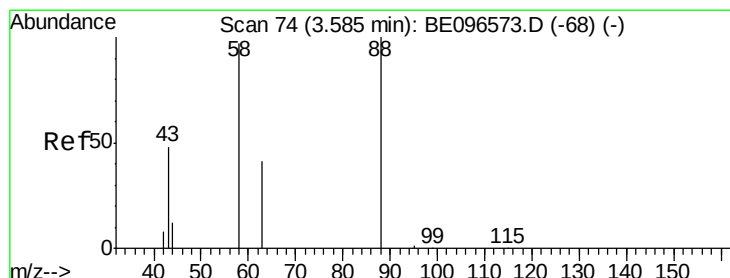
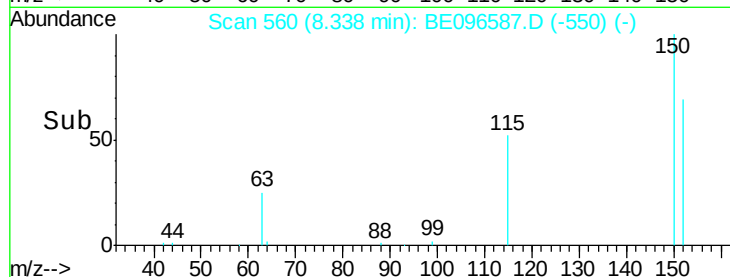
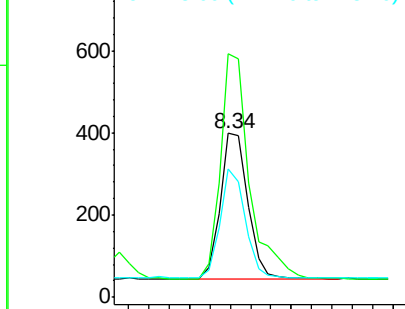
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 682   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 148.7 | 117.2 | 175.8 |
| 115       | 78.4  | 57.0  | 85.6  |

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



#2

1,4-Dioxane

Concen: 0.390 ng

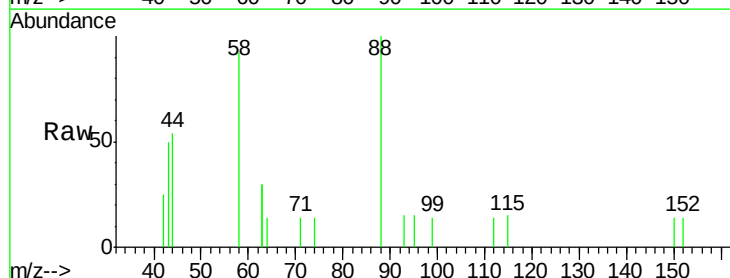
RT: 3.58 min Scan# 74

Delta R.T. -0.00 min

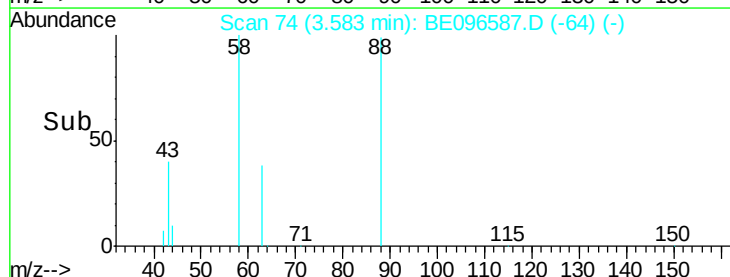
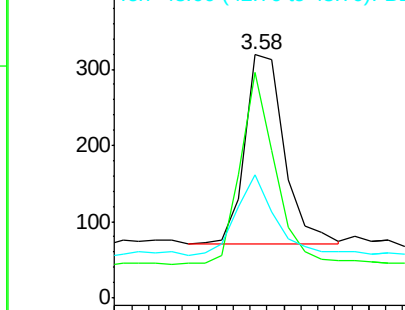
Lab File: BE096587.D

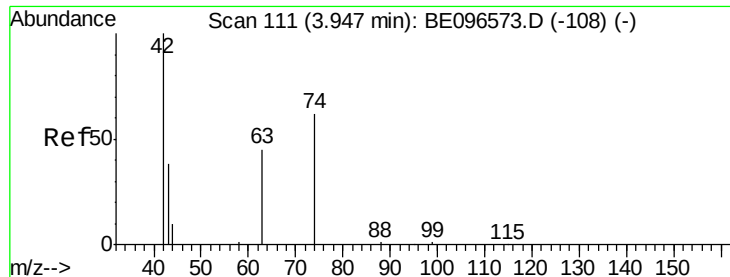
Acq: 16 May 2018 8:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 88    | Resp: | 399  |
| Ion Ratio | Lower | Upper |      |
| 88        | 100   |       |      |
| 58        | 89.5  | 63.2  | 94.8 |
| 43        | 42.4  | 41.2  | 61.8 |



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





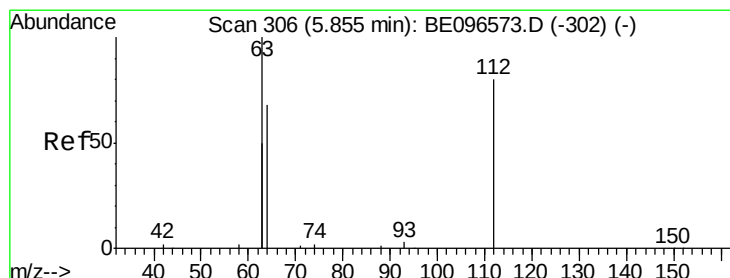
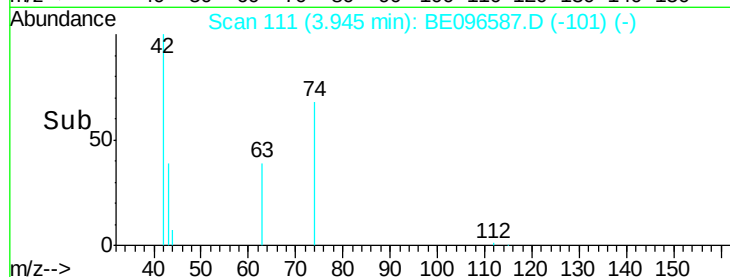
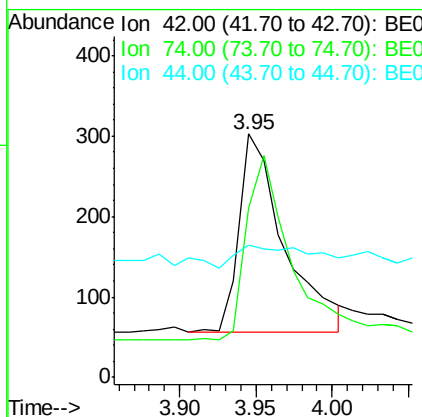
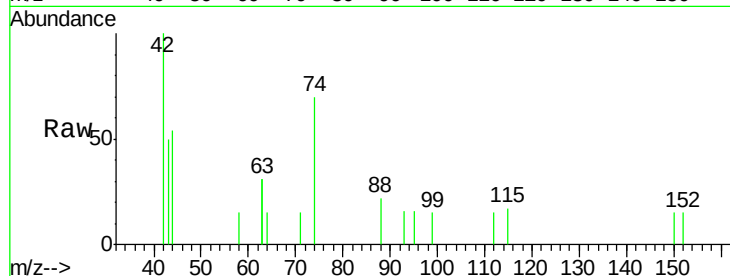
#3  
n-Nitrosodimethylamine  
Concen: 0.395 ng  
RT: 3.95 min Scan# 111  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 90.7  | 96.0  | 144.0# |
| 44      | 19.2  | 12.0  | 18.0#  |

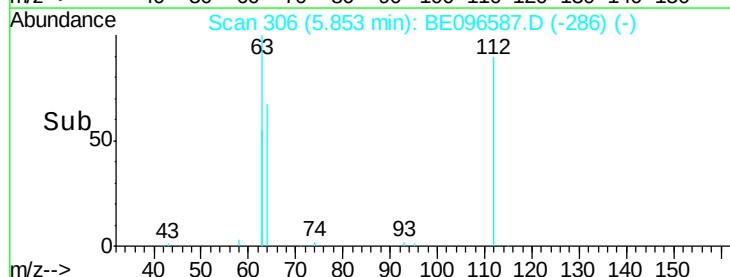
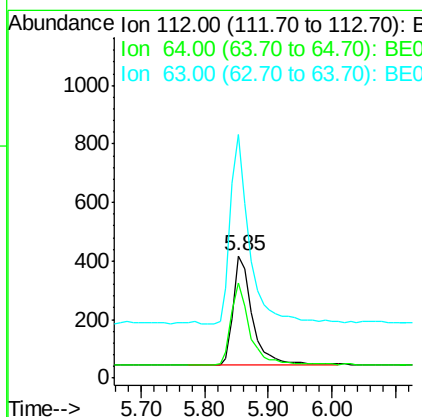
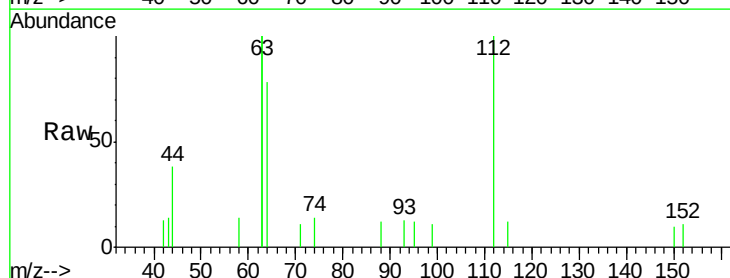
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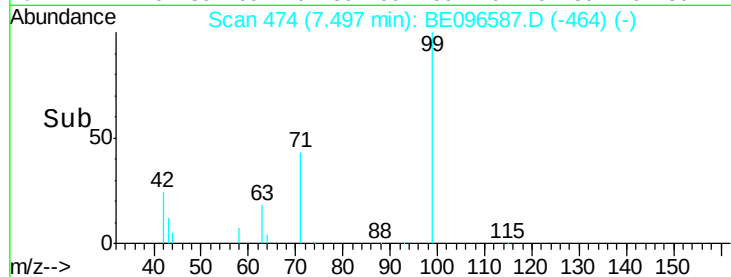
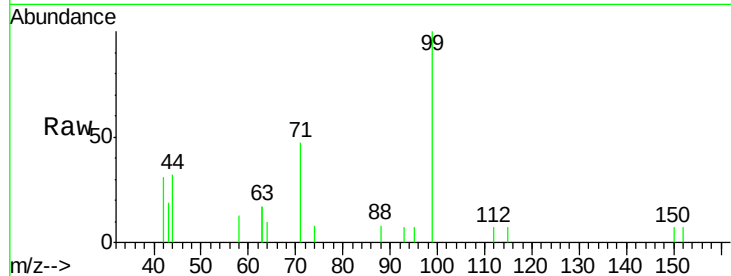
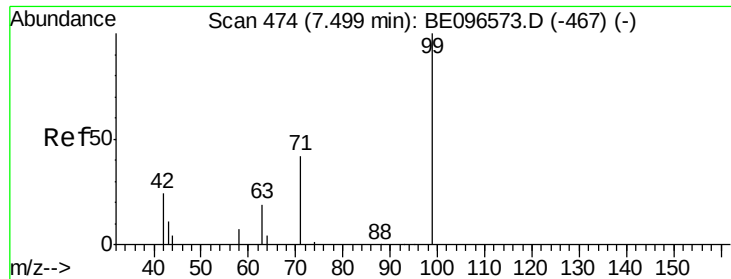
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#4  
2-Fluorophenol  
Concen: 0.422 ng  
RT: 5.85 min Scan# 306  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.8  | 60.1  | 90.1  |
| 63      | 169.0 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.409 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1088  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 28.7  | 20.2  | 30.2  |
| 71       | 44.6  | 28.4  | 42.6# |

Instrument :

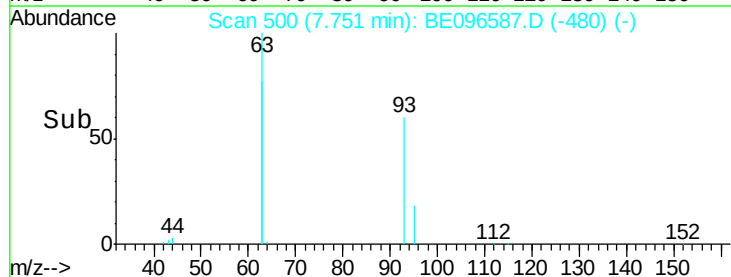
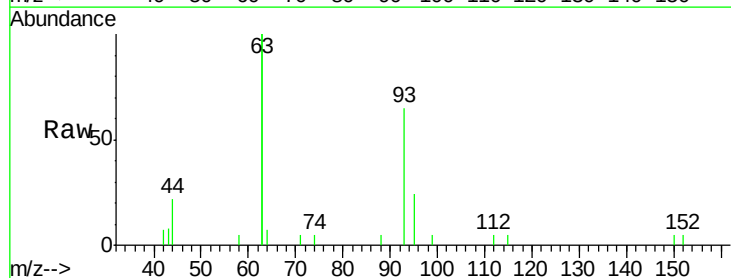
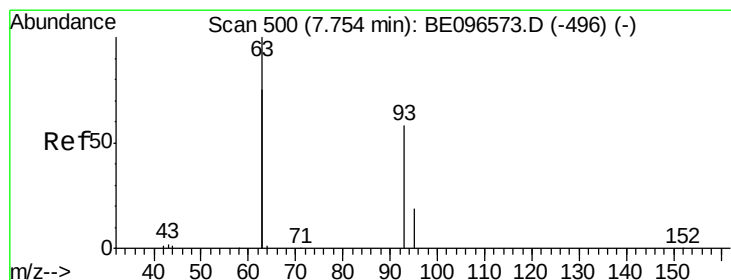
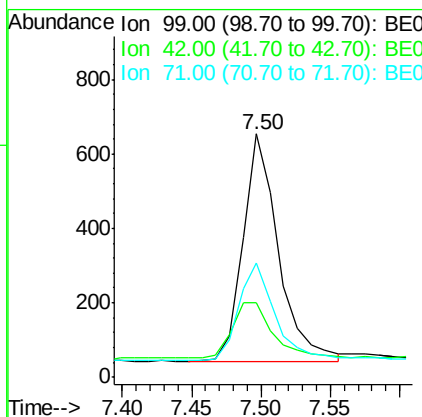
BNA\_E

ClientSampleId :

SSTDCCC0.4

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#6

bis(2-Chloroethyl)ether

Concen: 0.411 ng

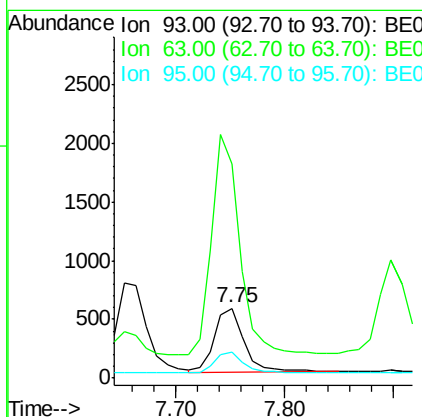
RT: 7.75 min Scan# 500

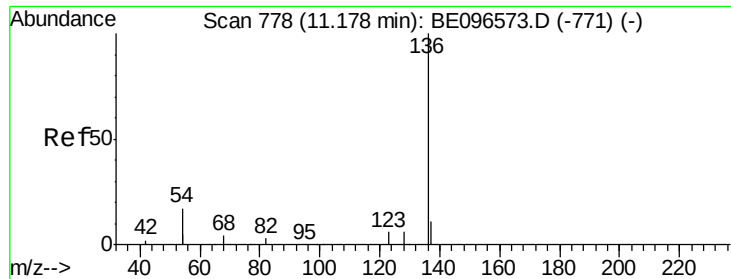
Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1024  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 330.8 | 275.3 | 412.9 |
| 95       | 31.5  | 25.2  | 37.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

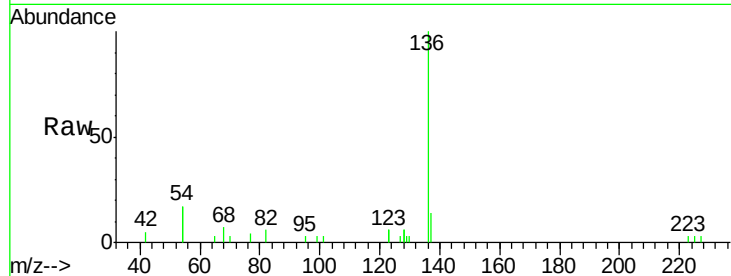
ClientSampleId :

SSTDCCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 2797 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 13.6  | 9.5   | 14.3 |
| 54        | 33.6  | 29.1  | 43.7 |
| 68        | 7.4   | 6.2   | 9.2  |

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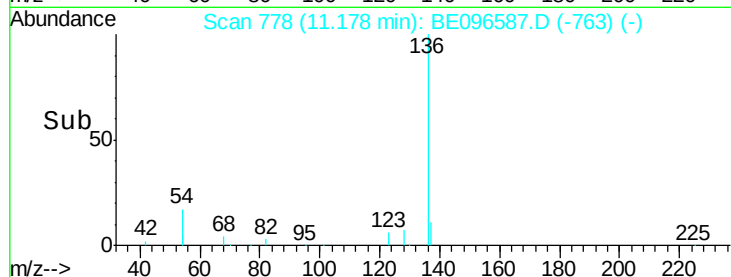
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

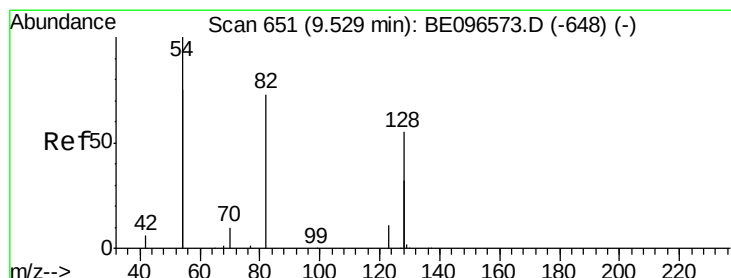
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.411 ng m

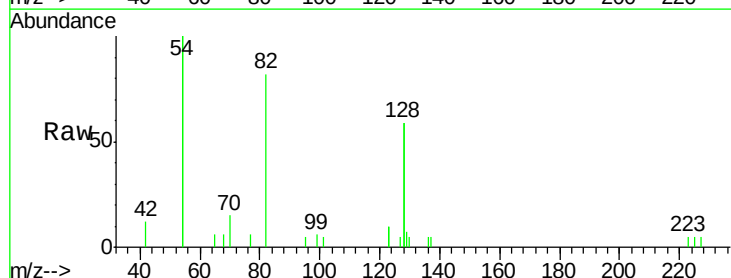
RT: 9.53 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 1223   |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 72.0  | 150.0 | 225.0# |
| 54        | 122.1 | 154.2 | 231.4# |

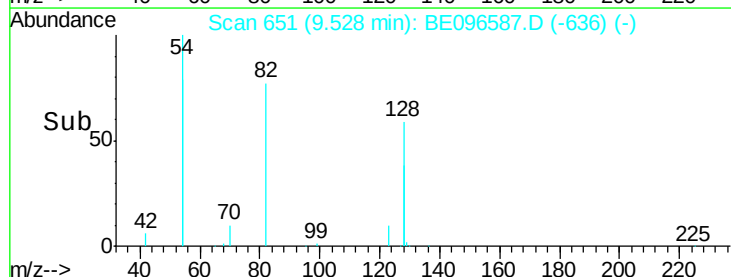


Abundance Ion 82.00 (81.70 to 82.70): BE0

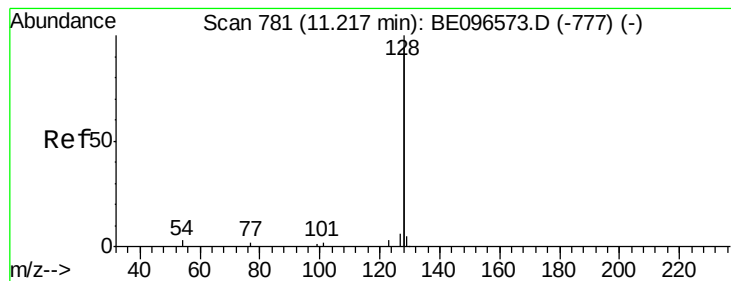
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.418 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

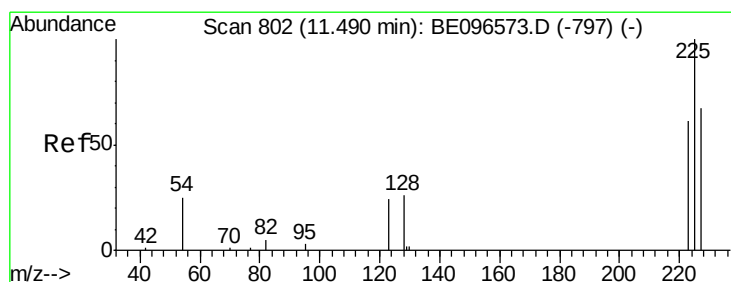
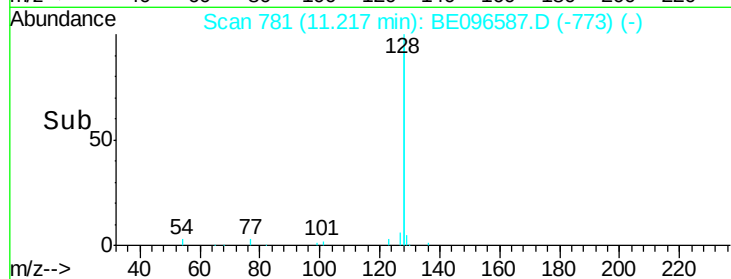
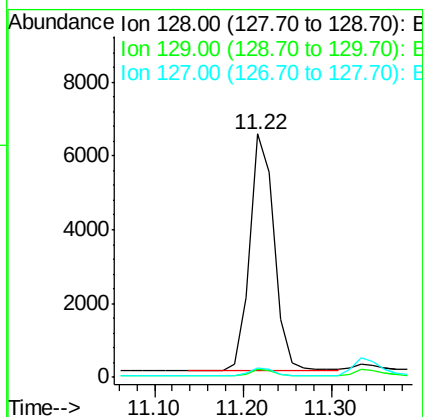
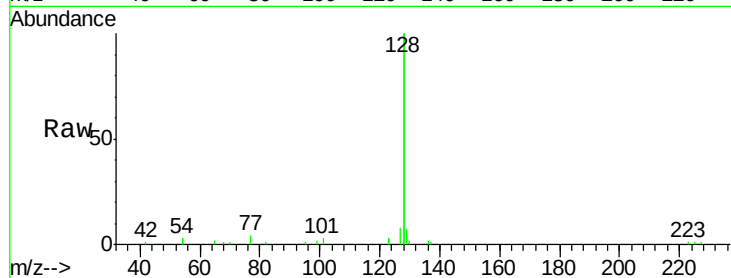
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 12294 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.3   | 2.6   | 3.8   |
| 127       | 3.8   | 2.8   | 4.2   |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 0.376 ng

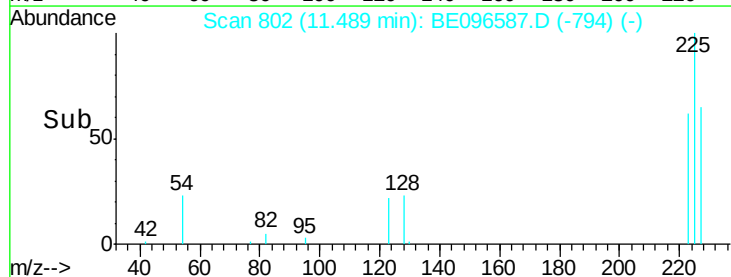
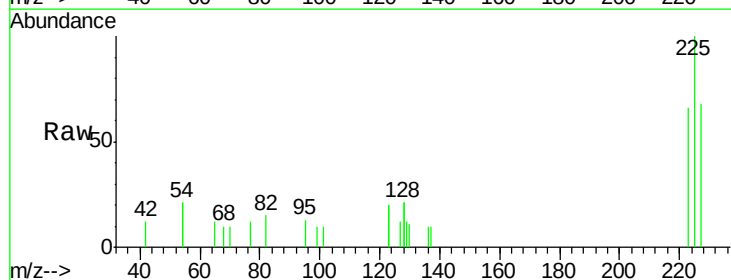
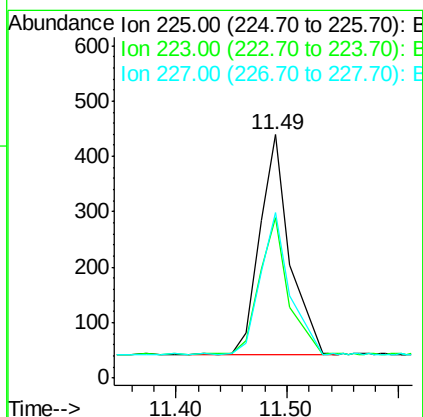
RT: 11.49 min Scan# 802

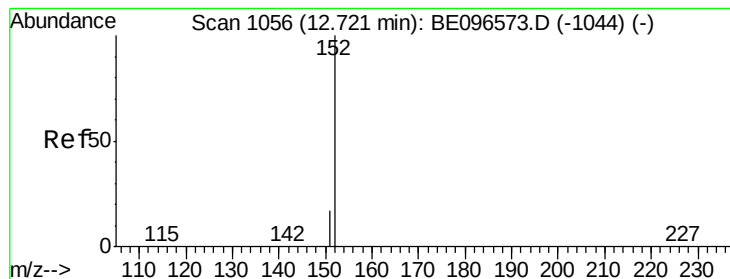
Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 618  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.9  | 53.0  | 79.6 |
| 227       | 73.1  | 51.4  | 77.2 |





#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 12.72 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:152 Resp: 1866

Ion Ratio Lower Upper

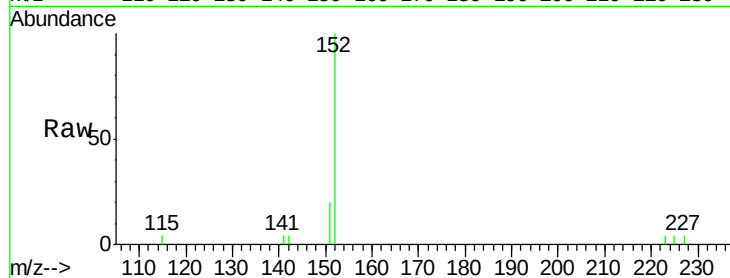
152 100

151 19.7 15.4 23.0

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

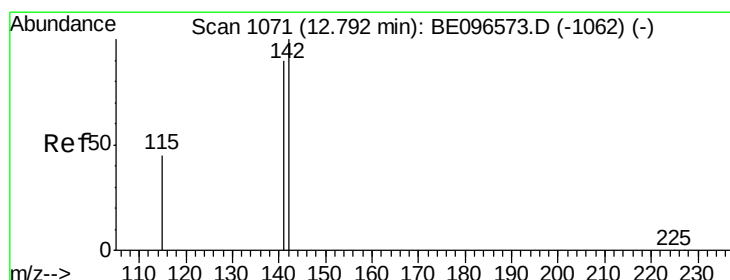
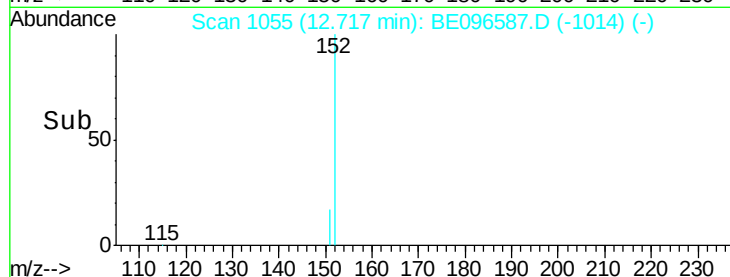
12.72

1000

500

0

Time--> 12.60 12.70 12.80



#12

2-Methylnaphthalene

Concen: 0.410 ng

RT: 12.79 min Scan# 1070

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

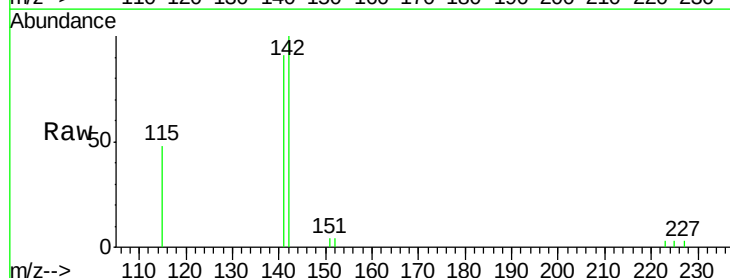
Tgt Ion:142 Resp: 2067

Ion Ratio Lower Upper

142 100

141 91.2 70.4 105.6

115 47.6 31.7 47.5#



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

12.79

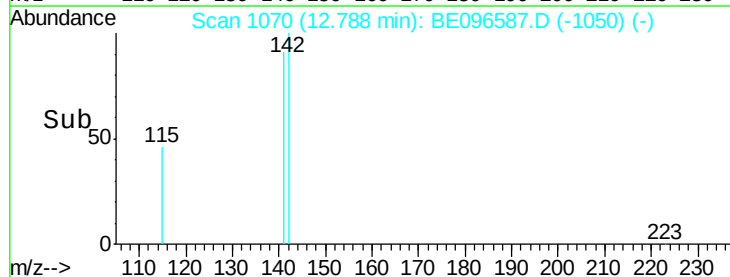
1500

1000

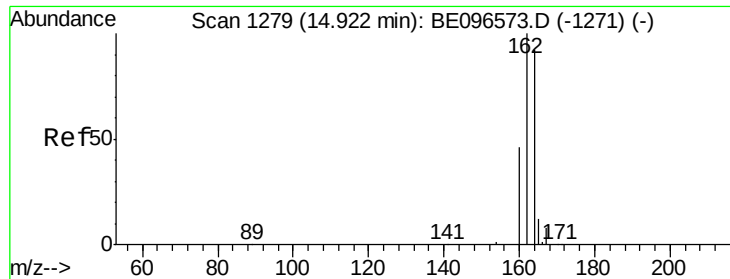
500

0

Time--> 12.70 12.80 12.90







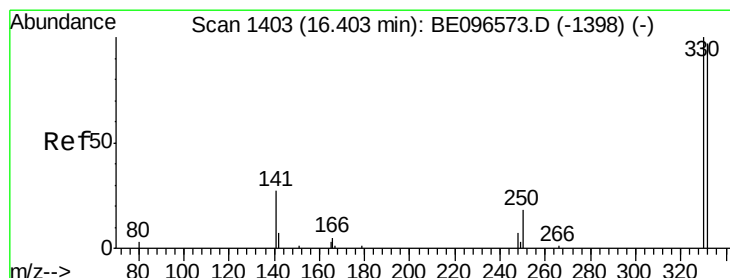
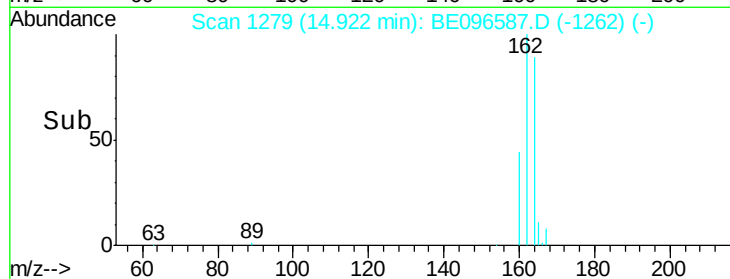
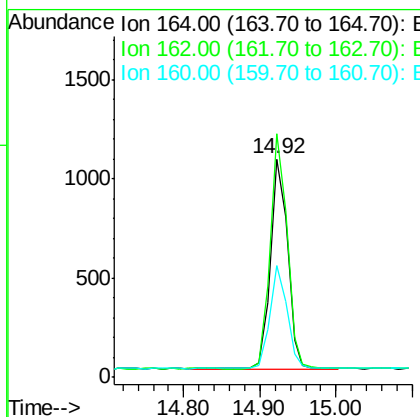
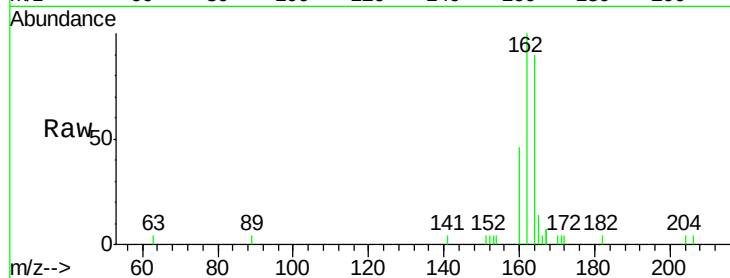
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.92 min Scan# 1279  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 111.5 | 83.1 | 124.7 |       |
| 160     | 51.3  | 37.1 | 55.7  |       |

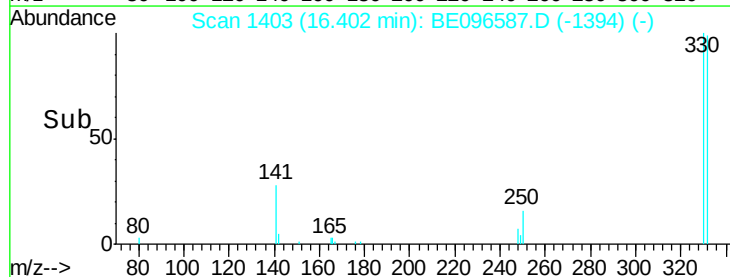
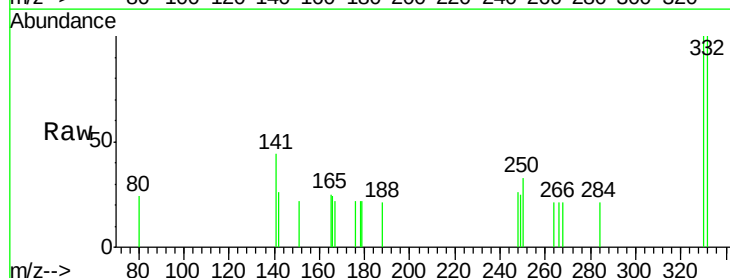
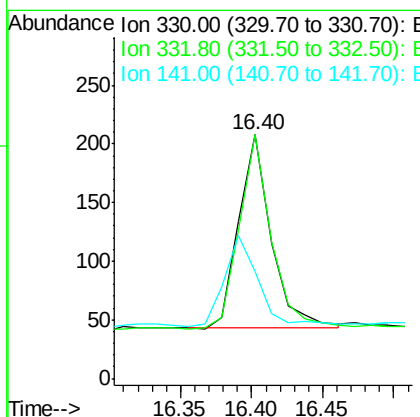
Manual Integrations  
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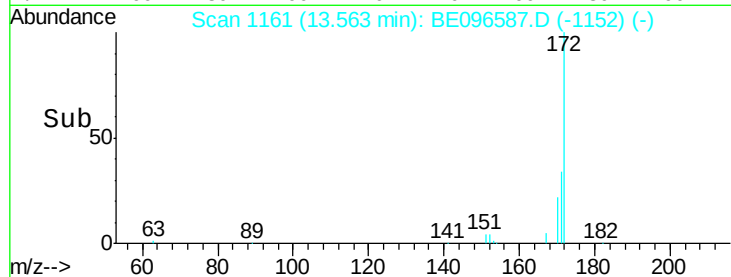
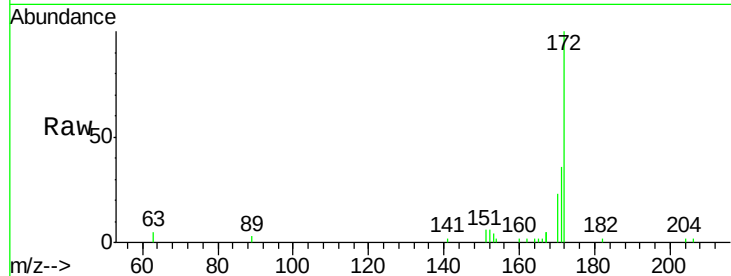
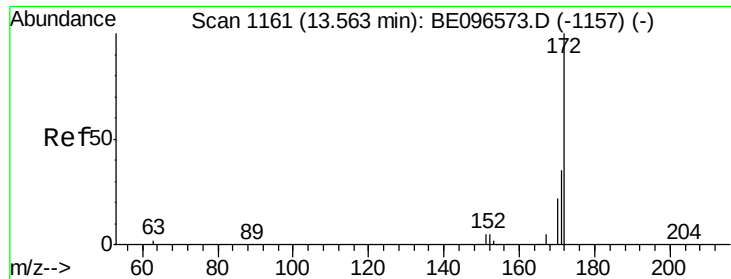
Sohil  
5/17/2018 5:05:46 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.404 ng  
RT: 16.40 min Scan# 1403  
Delta R.T. 0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   |       |       |       |
| 332     | 100.0 | 152.7 | 229.1 | #     |
| 141     | 49.6  | 33.7  | 50.5  |       |





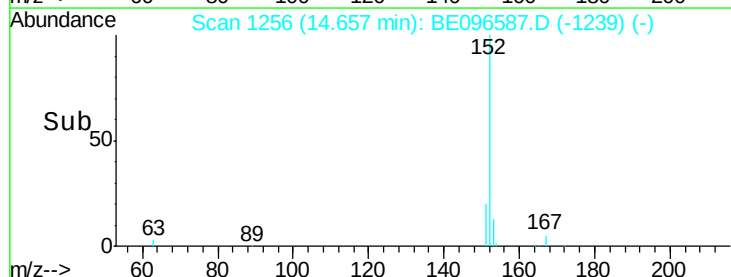
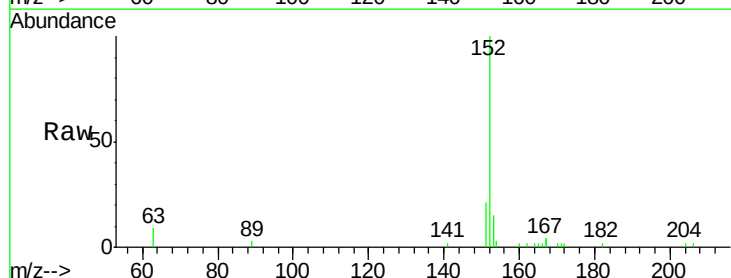
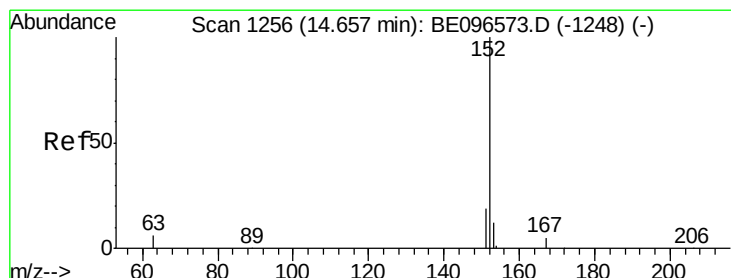
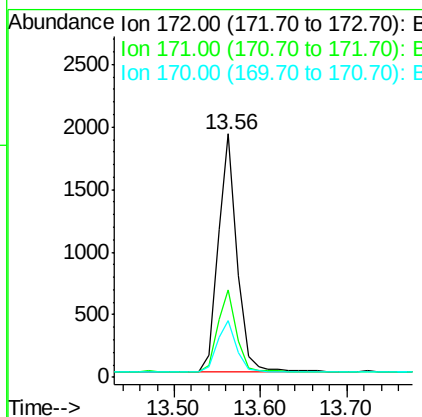
#15  
2-Fluorobiphenyl  
Concen: 0.414 ng  
RT: 13.56 min Scan# 1161  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.9  | 44.9  |
| 170     | 23.4  | 21.8  | 32.8  |

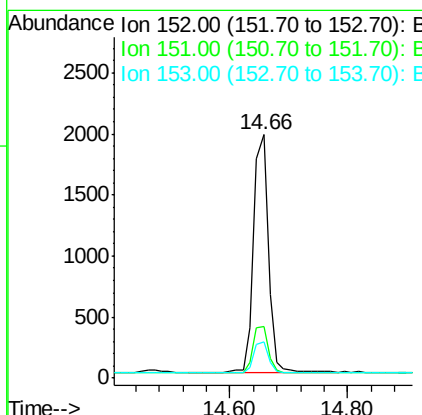
Manual Integrations  
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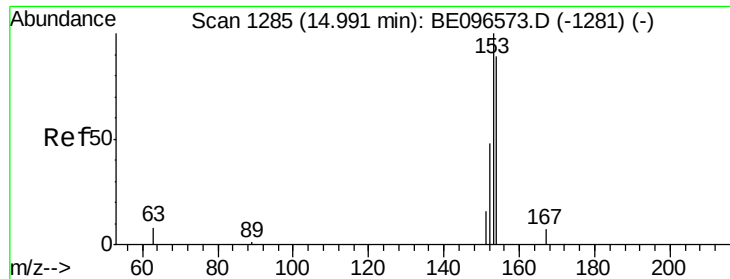
Sohil  
5/17/2018 5:05:46 PM



#16  
Acenaphthylene  
Concen: 0.402 ng  
RT: 14.66 min Scan# 1256  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.7  | 23.5  |
| 153     | 13.4  | 10.5  | 15.7  |





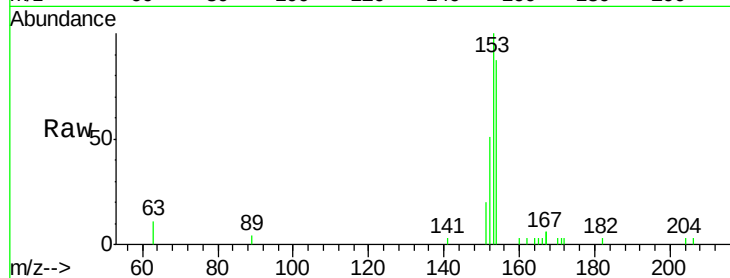
#17  
Acenaphthene  
Concen: 0.399 ng  
RT: 14.99 min Scan# 1285  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

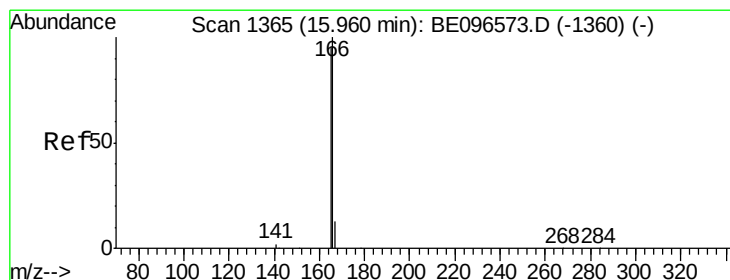
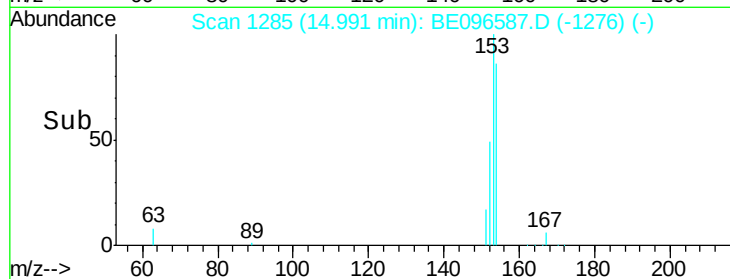
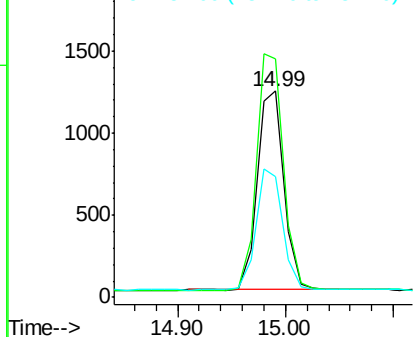
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 120.9 | 89.2  | 133.8 |
| 152     | 61.2  | 42.0  | 63.0  |

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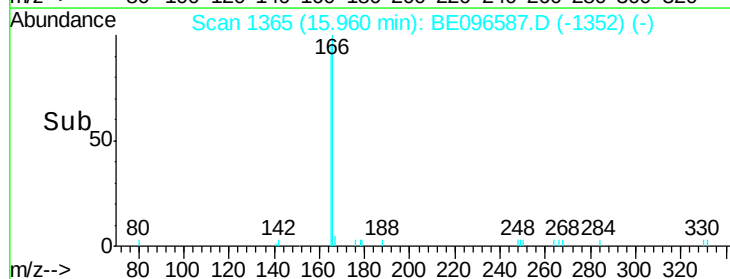
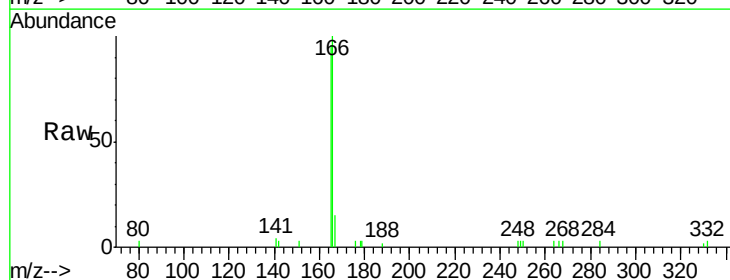
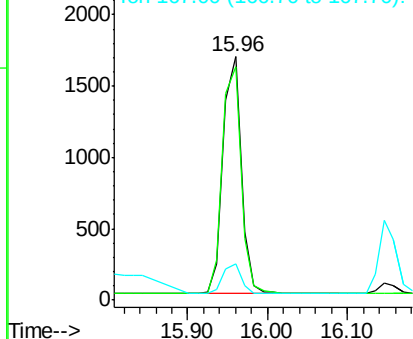
Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

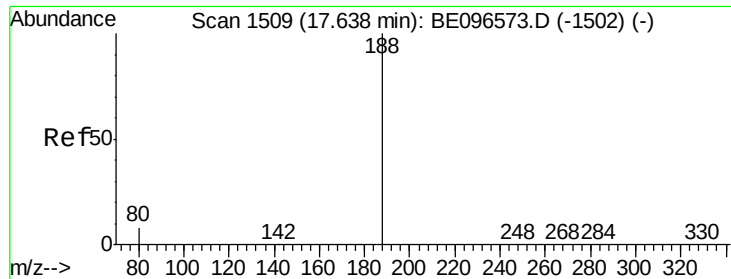


#18  
Fluorene  
Concen: 0.408 ng  
RT: 15.96 min Scan# 1365  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 166     | 100   |       |        |
| 165     | 124.4 | 77.8  | 116.6# |
| 167     | 13.1  | 42.4  | 63.6#  |

Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

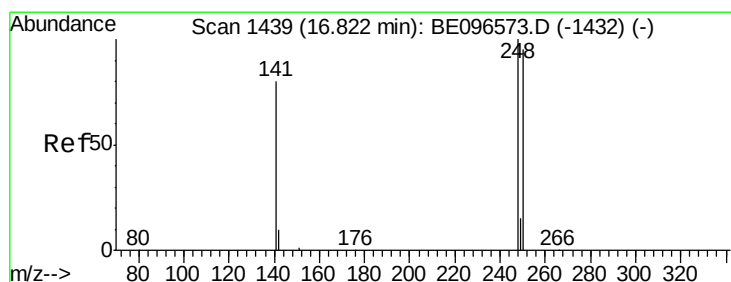
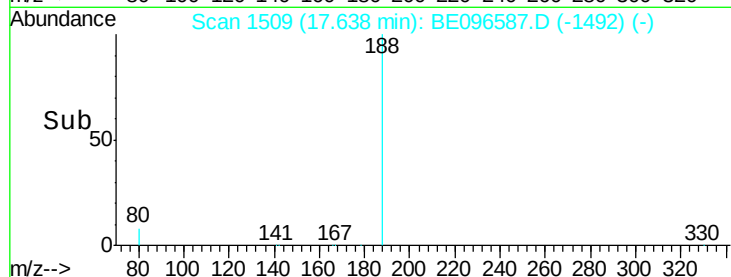
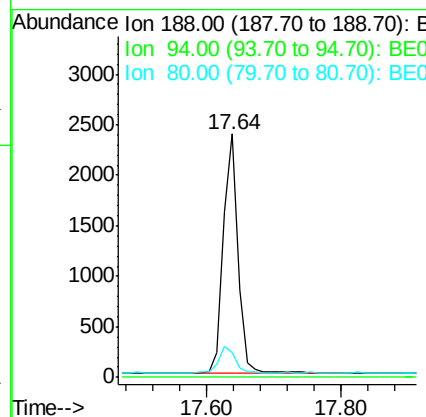
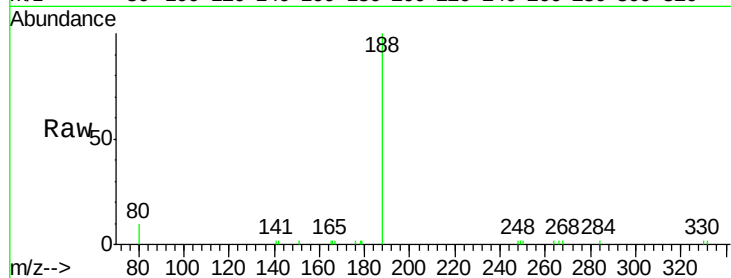
ClientSampleId :

SSTDCCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 3658 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 3.9   | 5.9# |
| 80        | 10.3  | 3.6   | 5.4# |

Manual Integrations  
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#20

4-Bromophenyl-phenylether

Concen: 0.415 ng

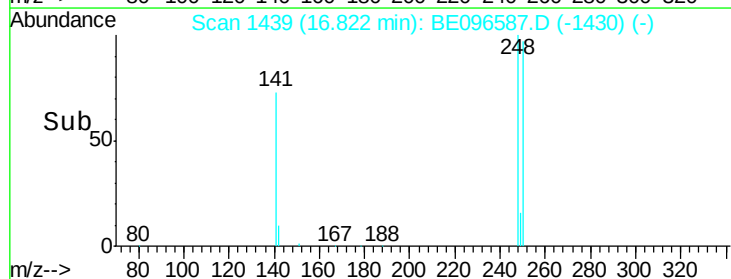
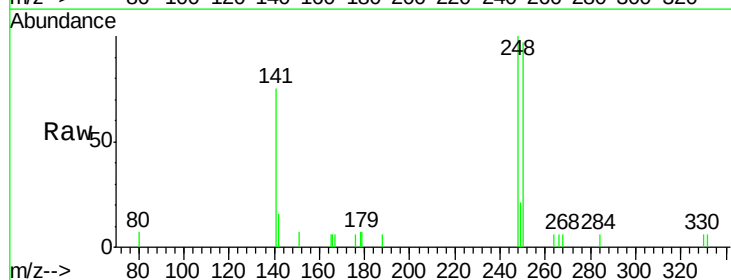
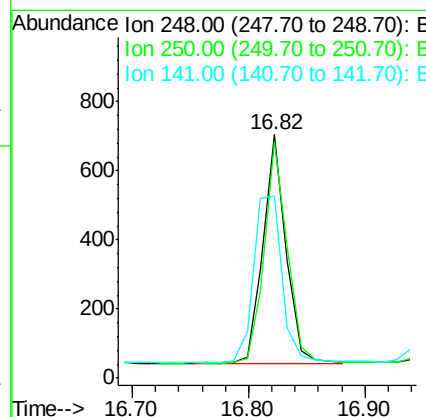
RT: 16.82 min Scan# 1439

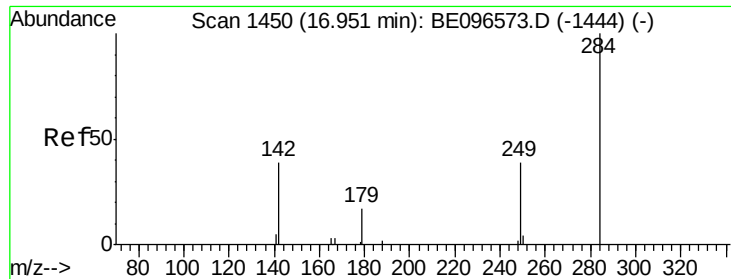
Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 921   |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 97.0  | 62.7  | 94.1# |
| 141       | 74.6  | 48.2  | 72.2# |





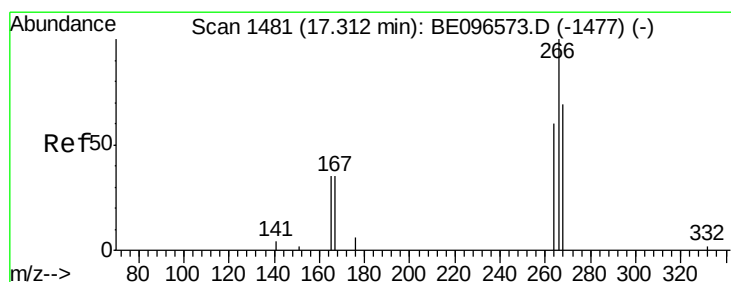
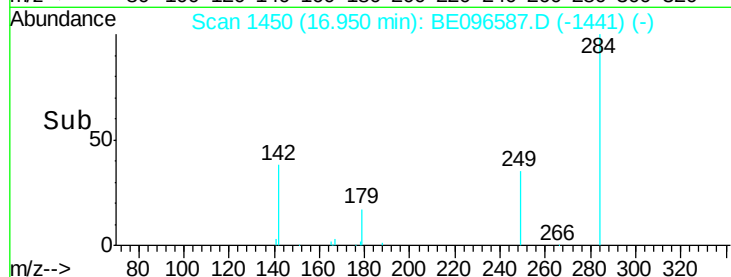
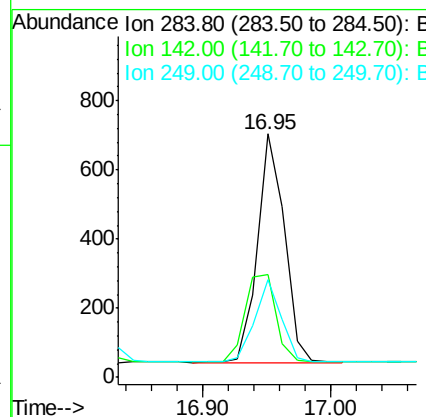
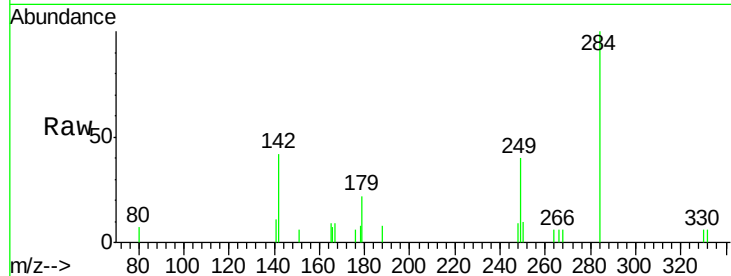
#21  
Hexachlorobenzene  
Concen: 0.423 ng  
RT: 16.95 min Scan# 1450  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 43.8  | 22.1  | 33.1# |
| 249     | 34.9  | 34.8  | 52.2  |

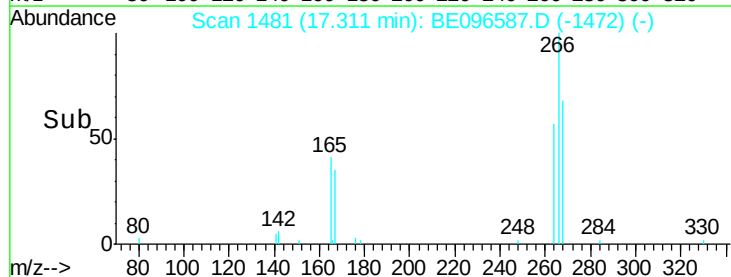
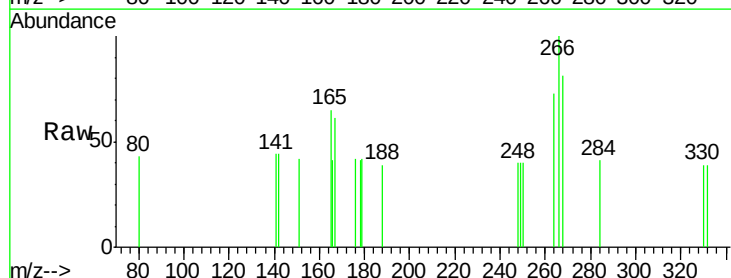
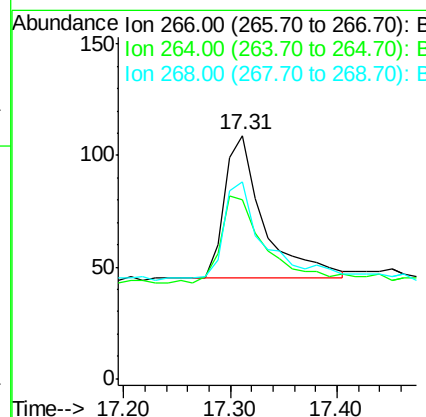
Manual Integrations  
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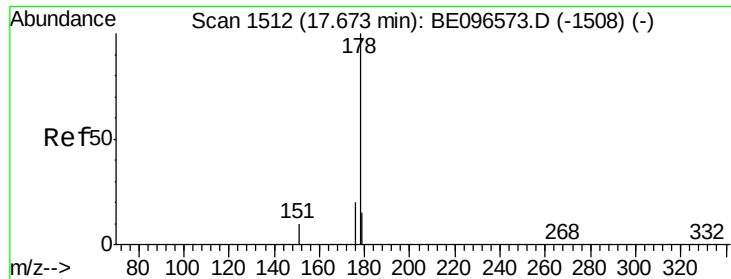
Sohil  
5/17/2018 5:05:46 PM



#22  
Pentachlorophenol  
Concen: 0.400 ng  
RT: 17.31 min Scan# 1481  
Delta R.T. 0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 73.4  | 72.5  | 108.7 |
| 268     | 80.7  | 73.8  | 110.6 |





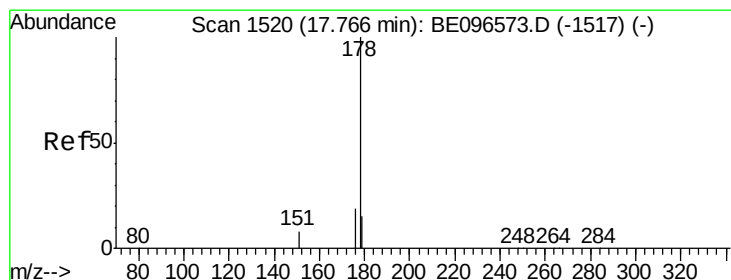
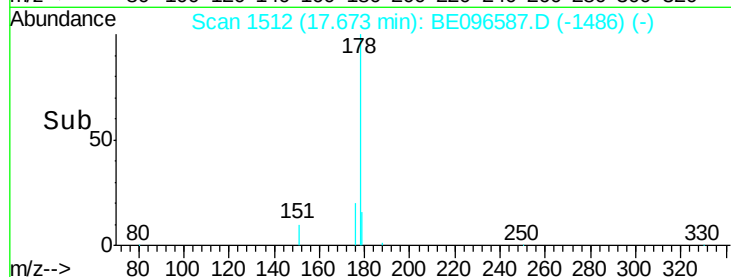
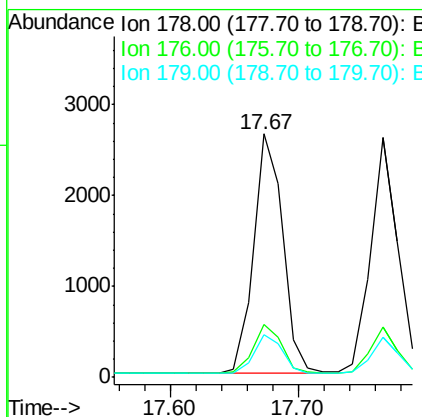
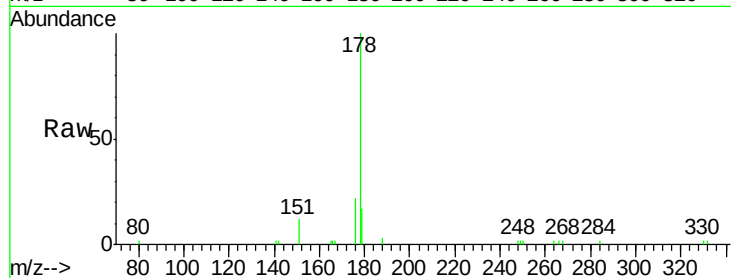
#23  
Phenanthrene  
Concen: 0.409 ng  
RT: 17.67 min Scan# 1512  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.1  | 22.7  |
| 179     | 15.5  | 11.8  | 17.6  |

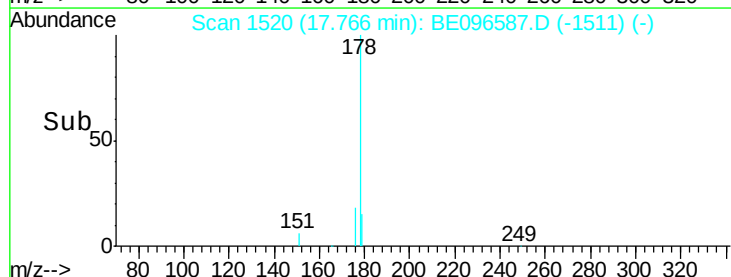
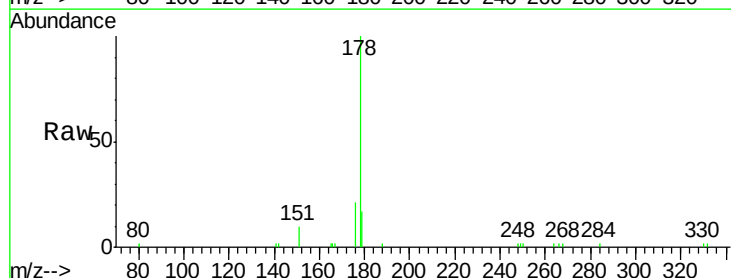
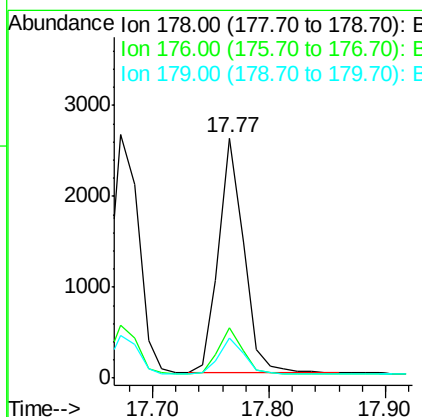
Manual Integrations  
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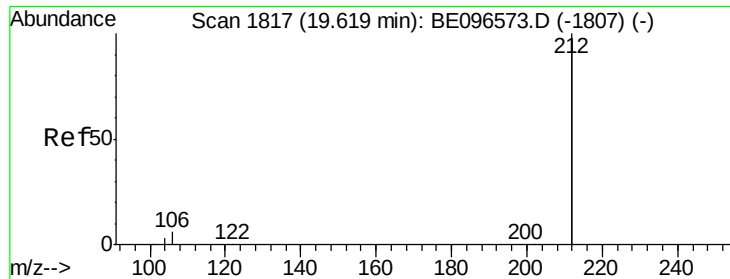
Sohil  
5/17/2018 5:05:46 PM



#24  
Anthracene  
Concen: 0.404 ng  
RT: 17.77 min Scan# 1520  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 12.8  | 19.2# |
| 179     | 15.0  | 13.0  | 19.6  |





#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

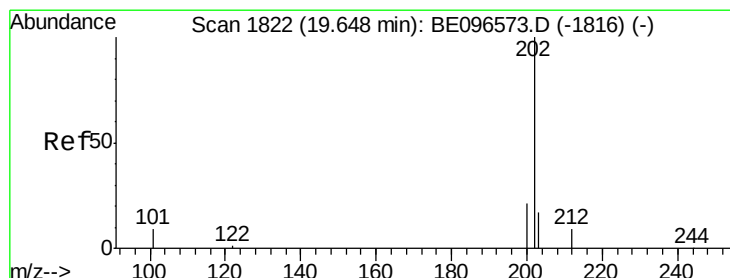
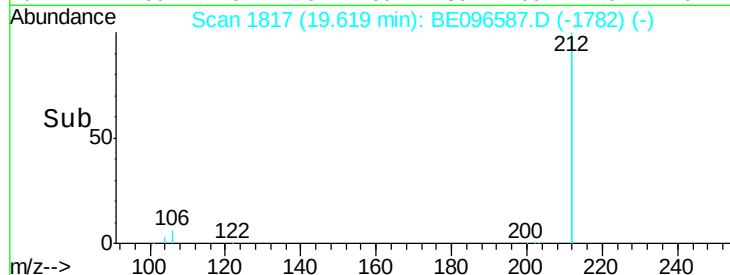
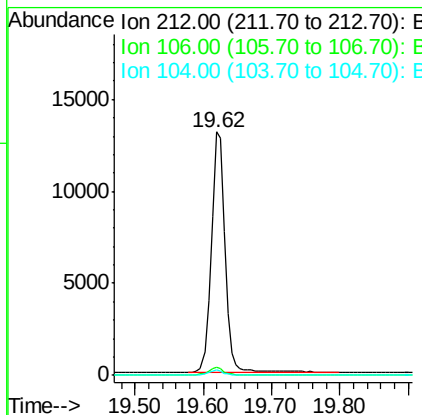
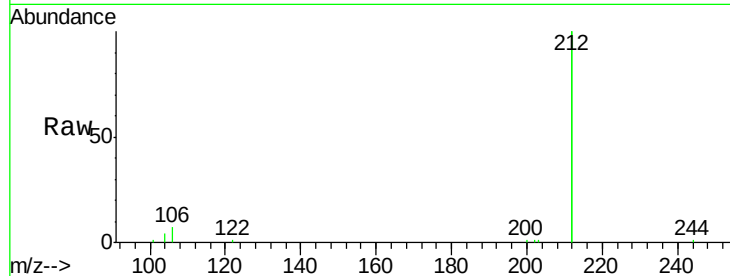
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 18314 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.8   | 2.8   | 4.2   |
| 104       | 1.6   | 1.6   | 2.4#  |

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5/17/2018 5:05:46 PM



#26

Fluoranthene

Concen: 0.405 ng

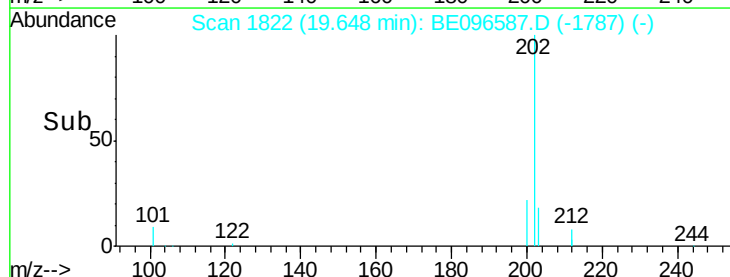
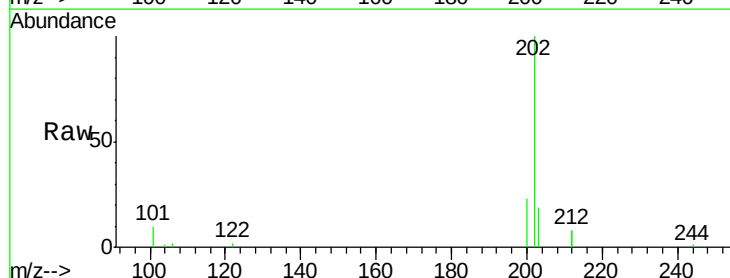
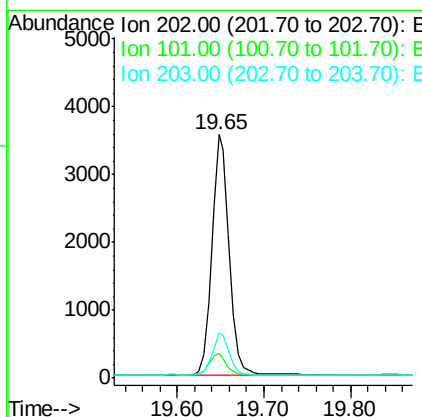
RT: 19.65 min Scan# 1822

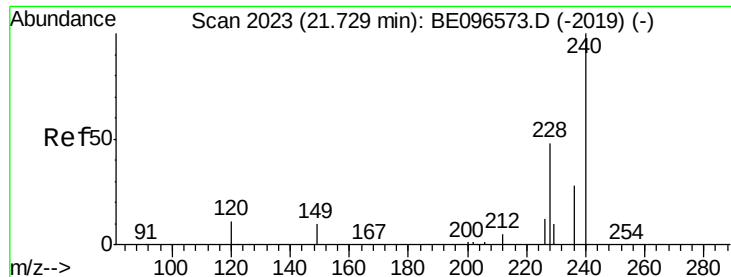
Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 4971  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.5   | 9.8   | 14.8# |
| 203       | 17.2  | 13.7  | 20.5  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

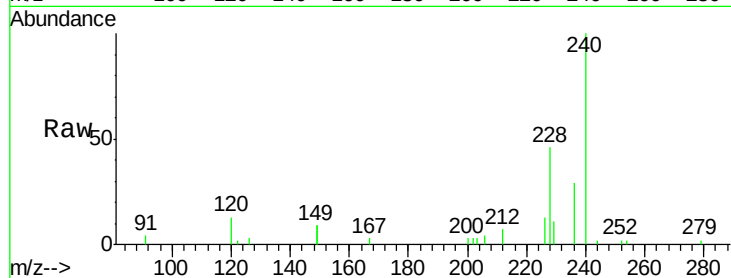
ClientSampleId :

SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.9  | 5.5   | 8.3#  |
| 236     | 29.2  | 20.7  | 31.1  |

Manual Integrations  
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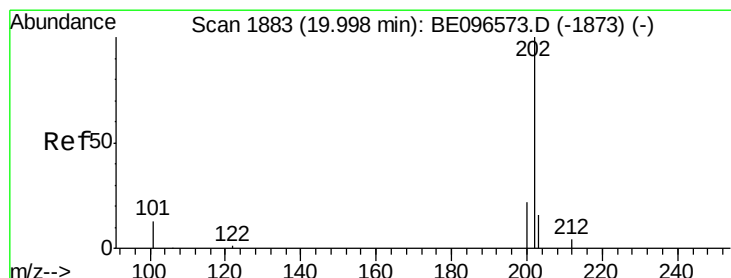
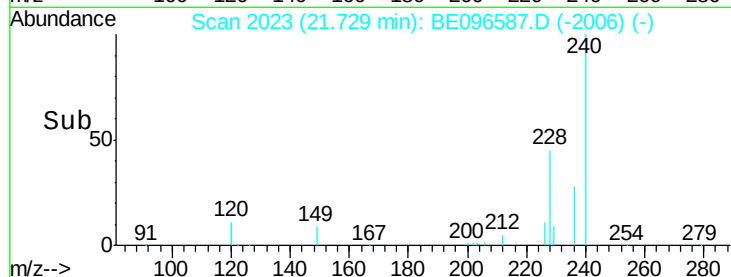
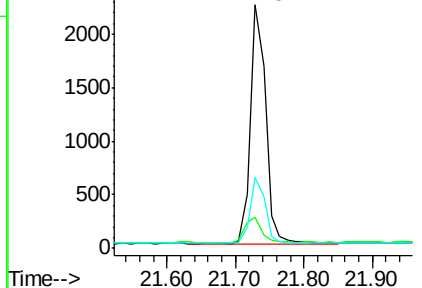
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.424 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096587.D

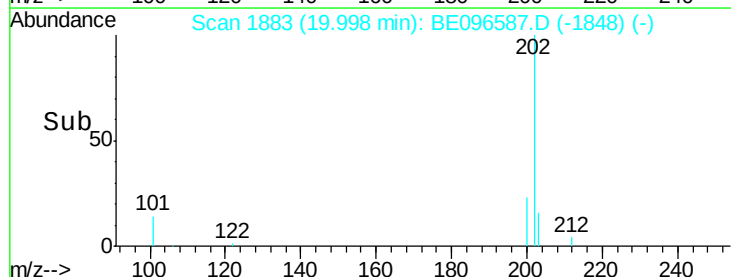
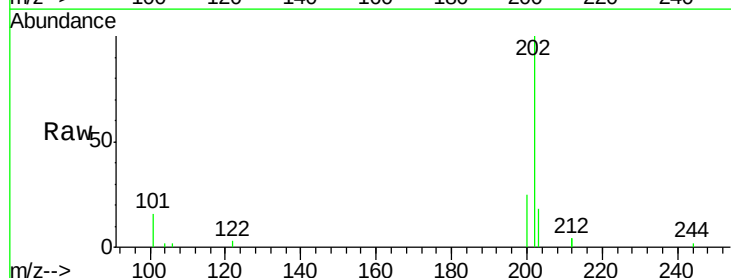
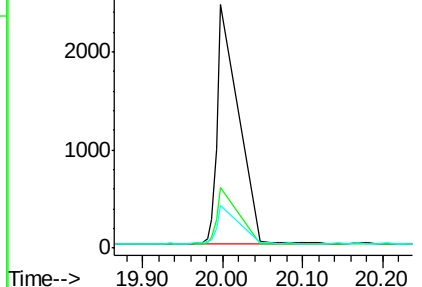
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.4  | 16.6  | 25.0  |
| 203     | 16.8  | 13.8  | 20.8  |

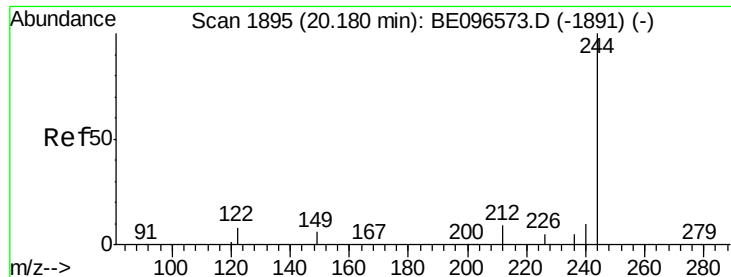
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.423 ng

RT: 20.18 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

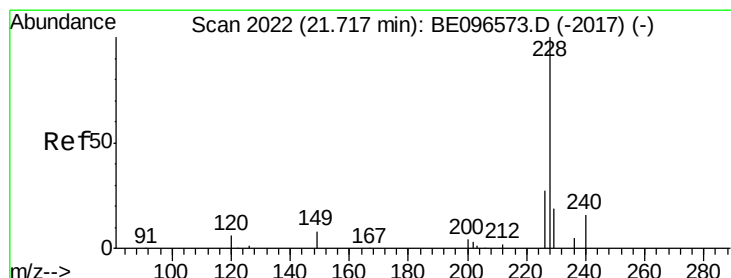
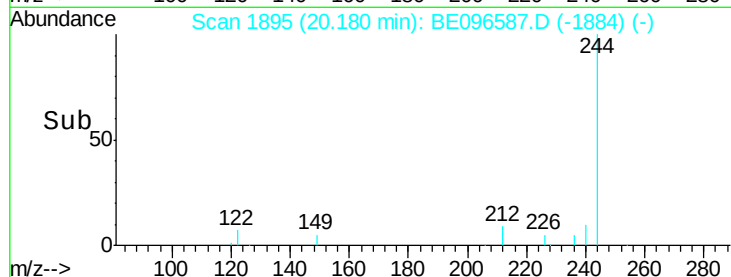
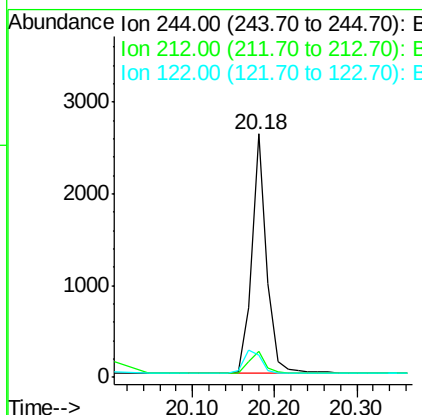
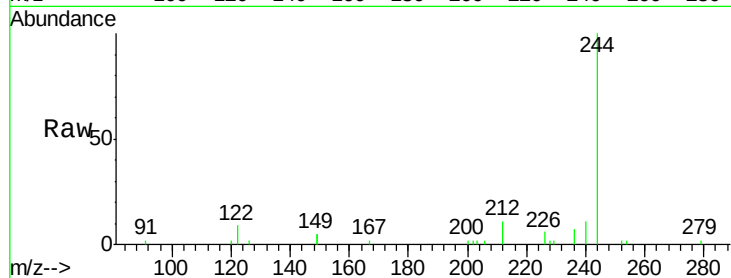
ClientSampleId :

SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.7  | 25.4  | 38.0# |
| 122     | 9.0   | 8.1   | 12.1  |

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#30

Benzo(a)anthracene

Concen: 0.413 ng

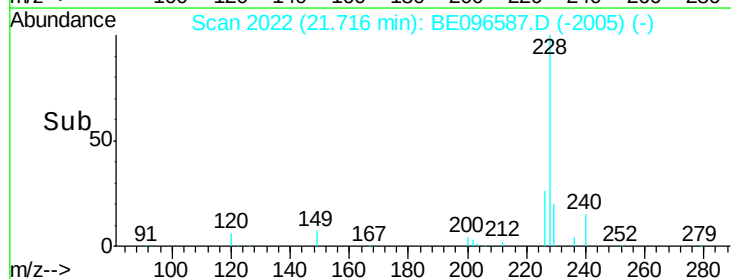
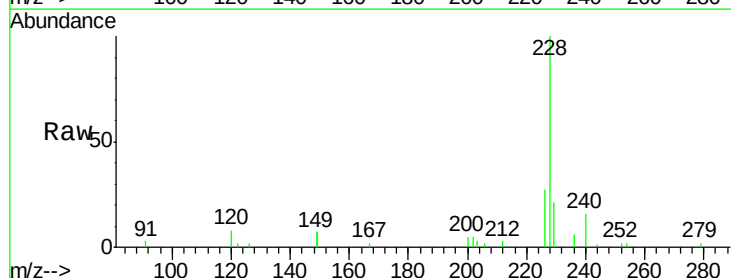
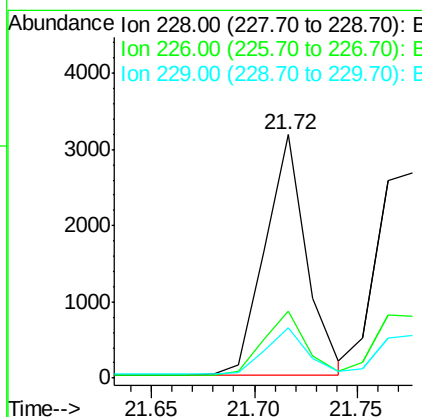
RT: 21.72 min Scan# 2022

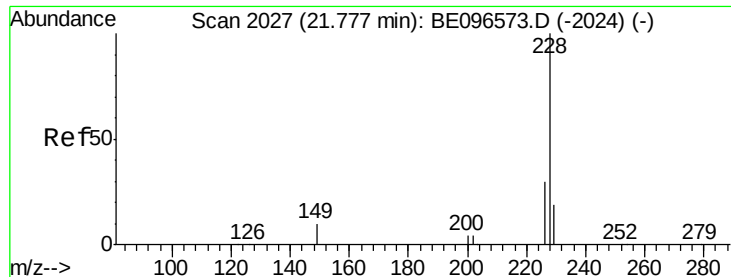
Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 24.0  | 36.0  |
| 229     | 20.8  | 16.0  | 24.0  |





#31

Chrysene

Concen: 0.411 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

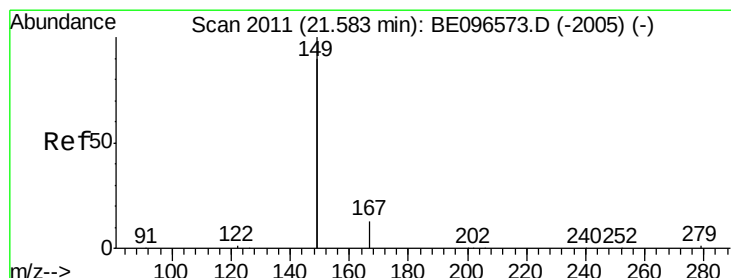
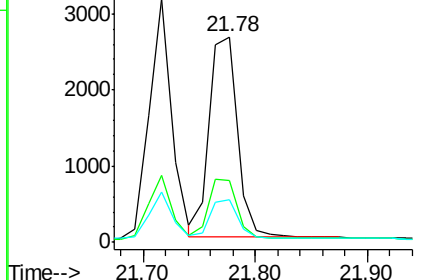
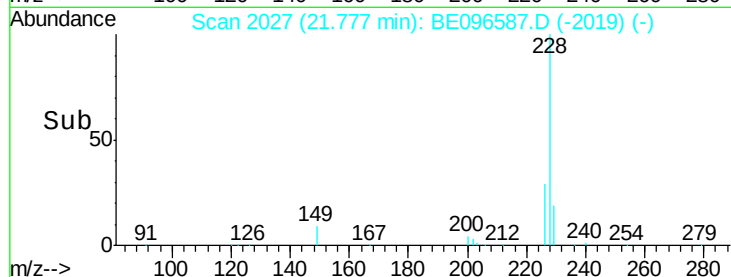
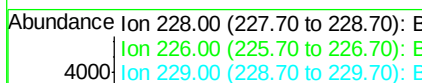
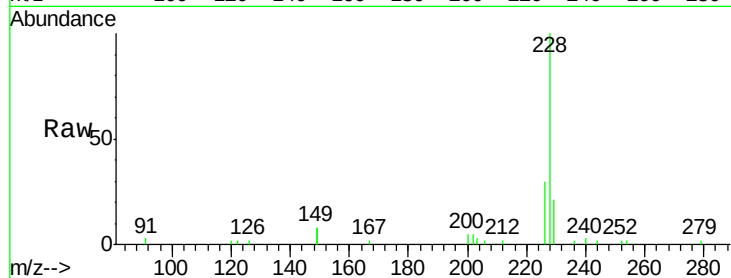
ClientSampleId :

SSTDCCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 4583 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 29.9  | 24.0  | 36.0 |
| 229       | 20.7  | 16.0  | 24.0 |

Manual Integrations  
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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.410 ng

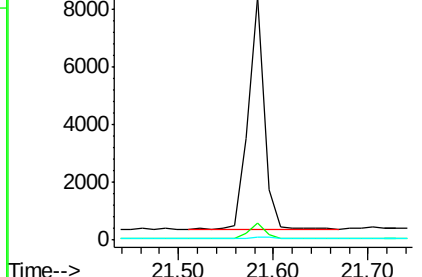
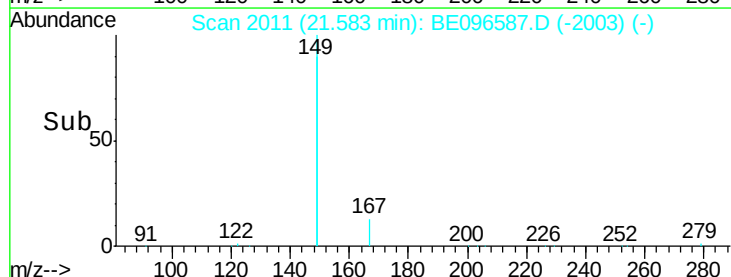
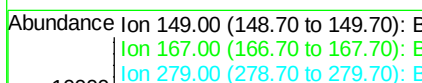
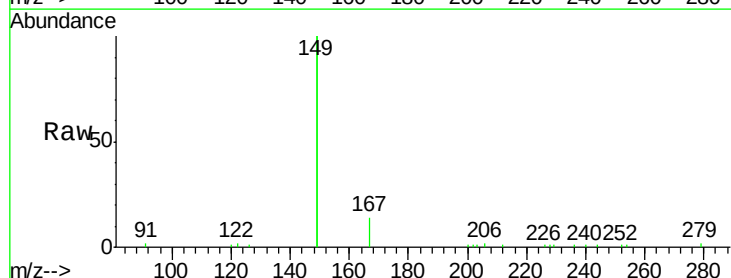
RT: 21.58 min Scan# 2011

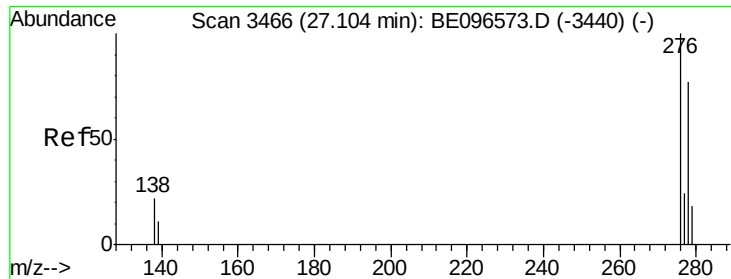
Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

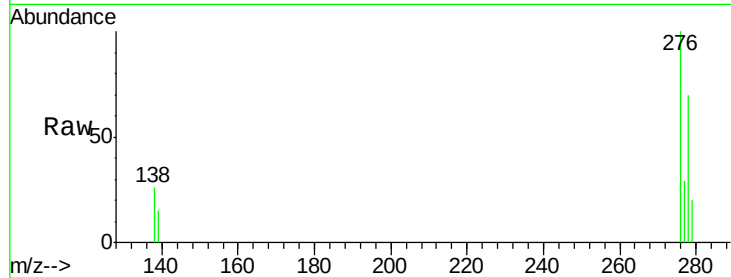
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 9396 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 6.8   | 5.4   | 8.0  |
| 279       | 1.0   | 0.7   | 1.1  |





#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.413 ng  
 RT: 27.09 min Scan# 3463  
 Delta R.T. -0.01 min  
 Lab File: BE096587.D  
 Acq: 16 May 2018 8:41

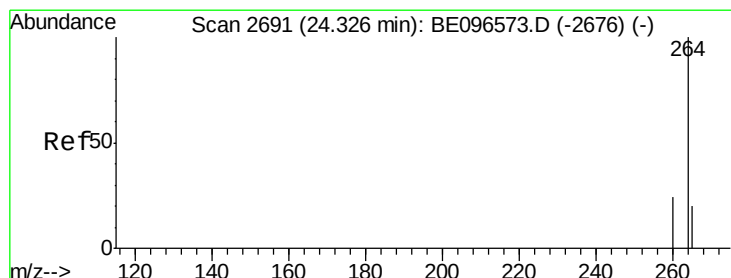
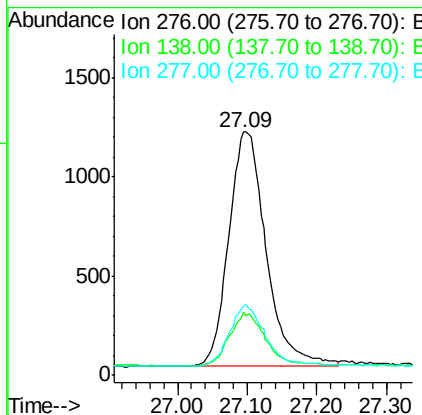
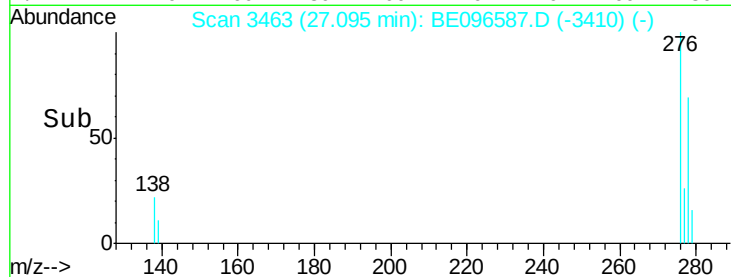
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4



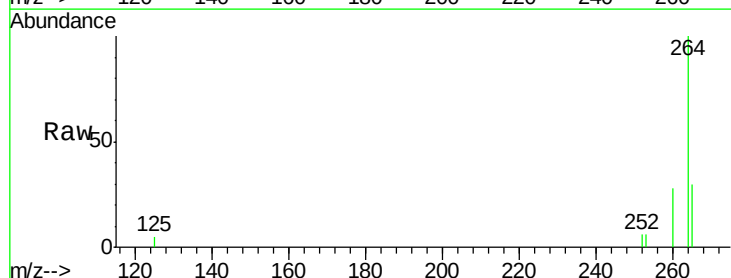
Tgt Ion: 276 Resp: 4414  
 Ion Ratio Lower Upper  
 276 100  
 138 21.8 22.5 33.7#  
 277 24.2 19.9 29.9

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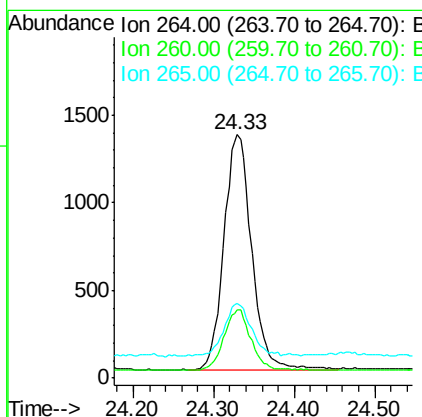
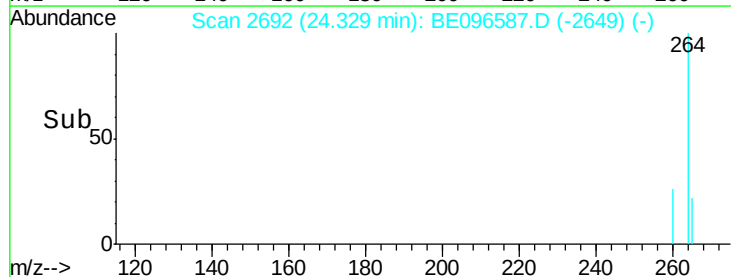
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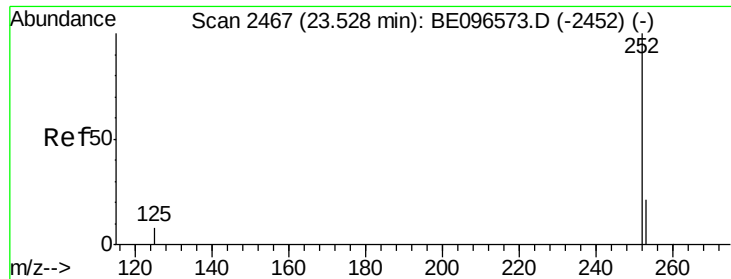


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.33 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: BE096587.D  
 Acq: 16 May 2018 8:41



Tgt Ion: 264 Resp: 3209  
 Ion Ratio Lower Upper  
 264 100  
 260 27.9 20.5 30.7  
 265 30.4 22.8 34.2





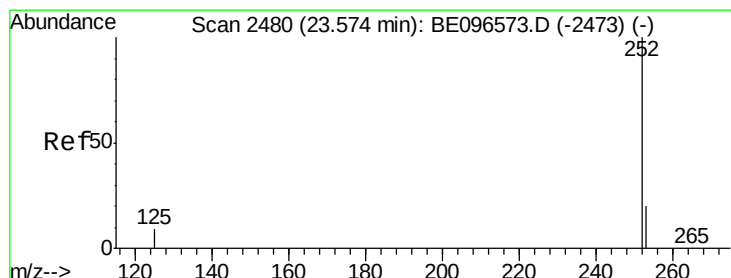
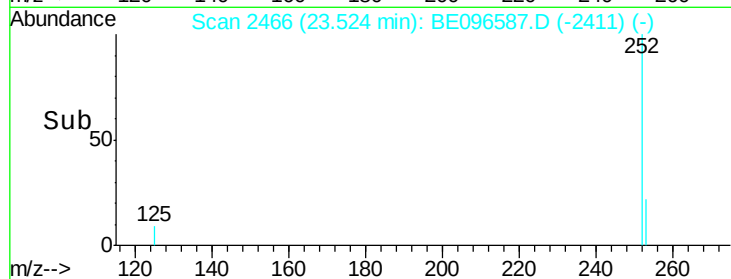
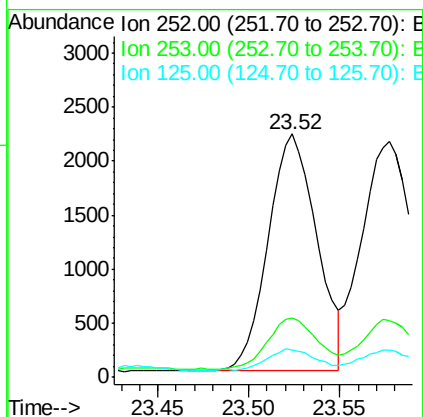
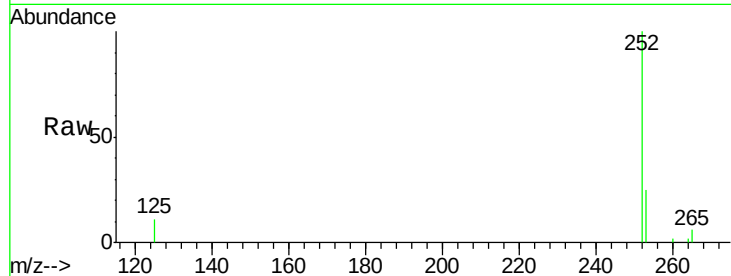
#35  
Benzo(b)fluoranthene  
Concen: 0.412 ng  
RT: 23.52 min Scan# 2466  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.6  | 20.0  | 30.0  |
| 125     | 11.2  | 16.0  | 24.0  |

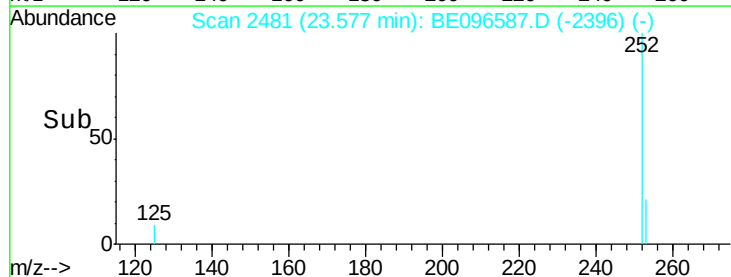
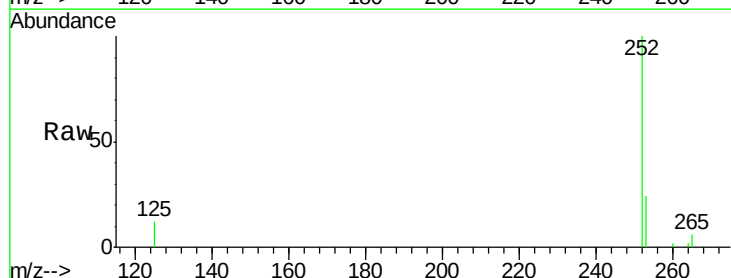
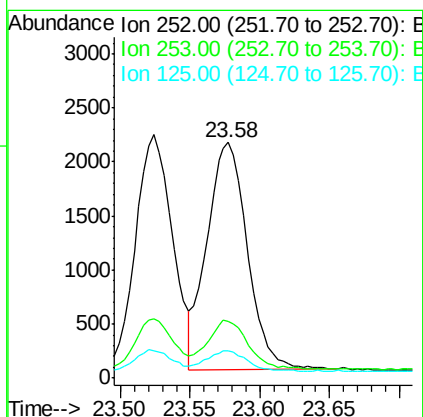
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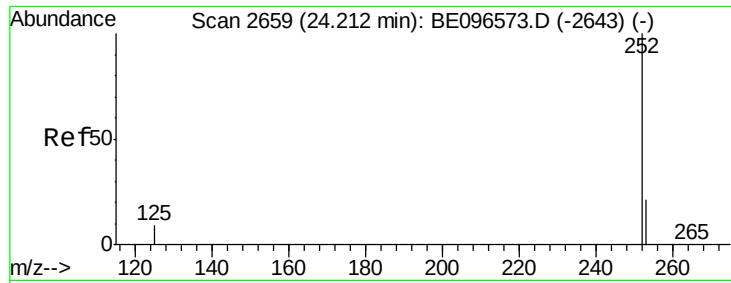
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#36  
Benzo(k)fluoranthene  
Concen: 0.405 ng  
RT: 23.58 min Scan# 2481  
Delta R.T. 0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 16.0  | 24.0  |
| 125     | 11.5  | 8.0   | 12.0  |





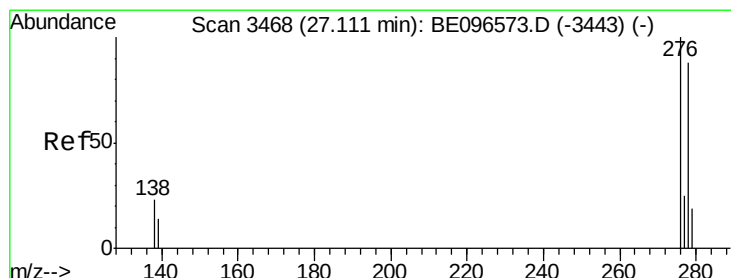
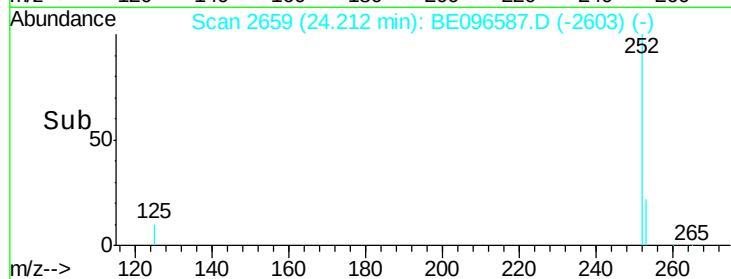
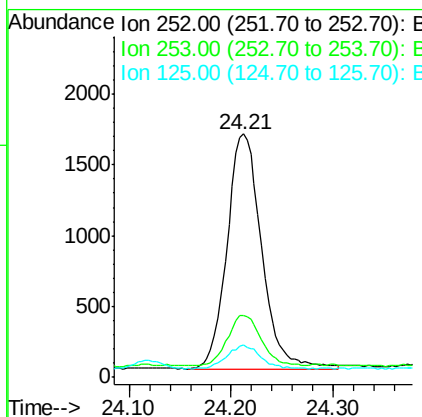
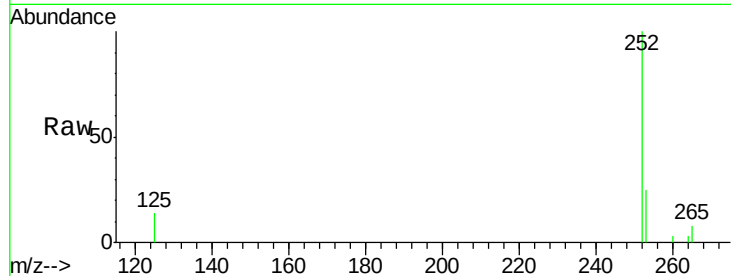
#37  
Benzo(a)pyrene  
Concen: 0.412 ng  
RT: 24.21 min Scan# 2659  
Delta R.T. -0.00 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 252     | 100   | 3897 |       |       |
| 253     | 25.3  | 16.0 | 24.0  | #     |
| 125     | 13.6  | 12.0 | 18.0  |       |

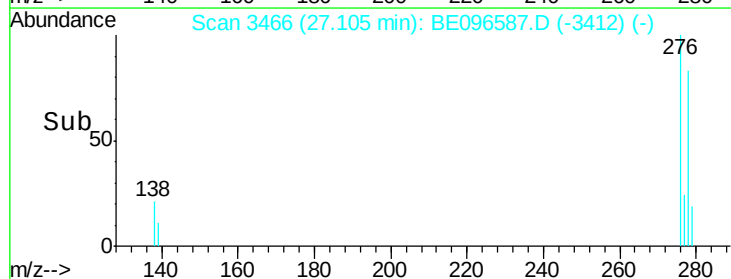
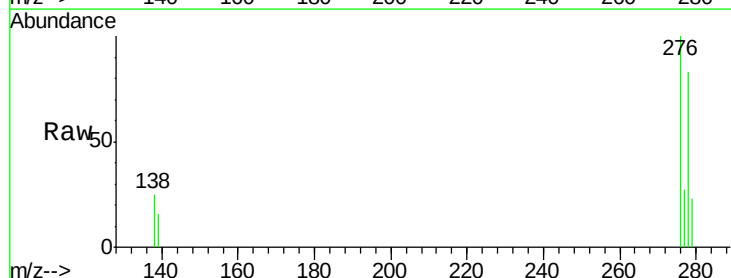
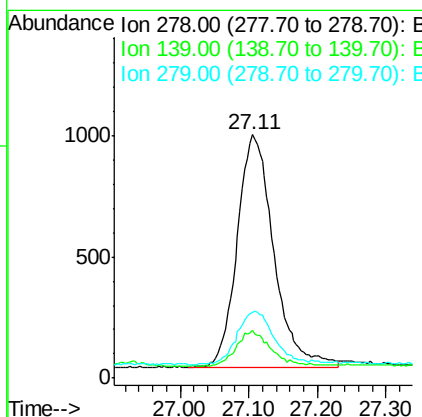
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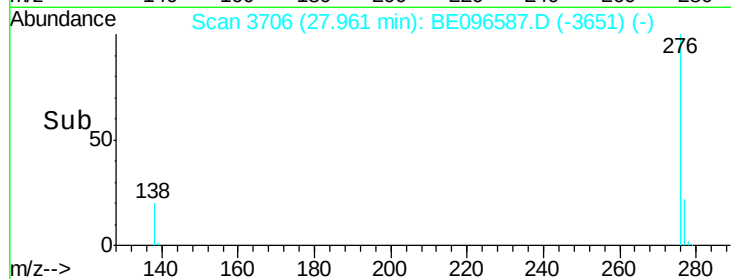
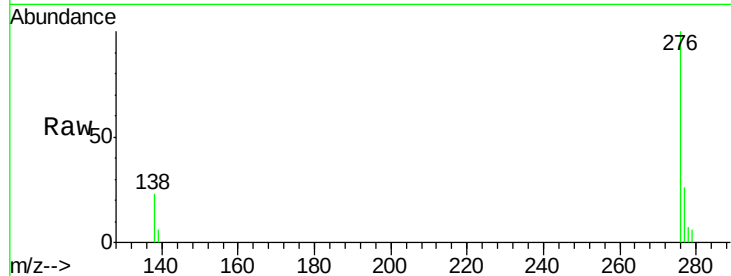
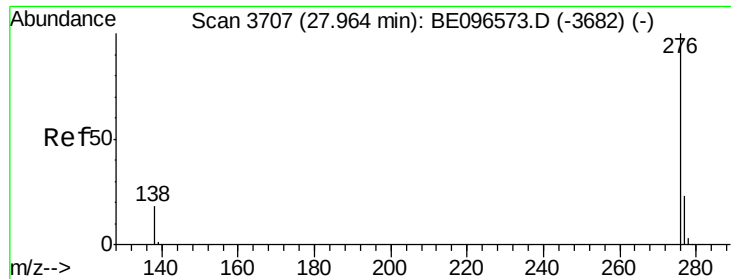
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.412 ng  
RT: 27.11 min Scan# 3466  
Delta R.T. -0.01 min  
Lab File: BE096587.D  
Acq: 16 May 2018 8:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 278     | 100   | 3561 |       |       |
| 139     | 19.4  | 16.0 | 24.0  |       |
| 279     | 27.2  | 20.0 | 30.0  |       |





#39

Benzo(g,h,i)perylene

Concen: 0.415 ng

RT: 27.96 min Scan# 3706

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 276 | 100  |       |       |       |
| 277 | 26.2 | 16.0  | 24.0  |       |
| 138 | 23.4 | 20.0  | 30.0  |       |

Manual Integrations  
APPROVED

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