

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071919\  
 Data File : BE100472.D  
 Acq On : 19 Jul 2019 16:37  
 Operator : HP/JU  
 Sample : K3911-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 HJDC-COMP1

Manual Integrations  
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 7/24/2019 8:29:56 AM

Quant Time: Jul 22 19:23:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 19 13:59:01 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.87  | 152  | 4805     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 20271    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.50 | 164  | 12896    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 26443    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 30745    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.93 | 264  | 31313m   | 0.40 | ng    | 0.07     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.47  | 112 | 5461   | 0.46 | ng | 0.00 |
| 5) Phenol-d6                | 7.03  | 99  | 9104   | 0.54 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.02  | 82  | 6749   | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152 | 11263  | 0.35 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 1932   | 0.36 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.13 | 172 | 14382  | 0.27 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.25 | 212 | 103451 | 0.28 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.84 | 244 | 21628  | 0.31 | ng | 0.00 |

|                                |       |     |          |           |        |
|--------------------------------|-------|-----|----------|-----------|--------|
| Target Compounds               |       |     |          |           | Qvalue |
| 9) Naphthalene                 | 10.72 | 128 | 759503   | 3.916 ng  | 100    |
| 12) 2-Methylnaphthalene        | 12.32 | 142 | 91176    | 2.696 ng  | 99     |
| 16) Acenaphthylene             | 14.23 | 152 | 121261   | 2.046 ng  | 98     |
| 17) Acenaphthene               | 14.56 | 154 | 169056   | 4.690 ng  | 99     |
| 18) Fluorene                   | 15.53 | 166 | 345266   | 7.202 ng  | # 96   |
| 23) Phenanthrene               | 17.27 | 178 | 2707498  | 41.389 ng | 98     |
| 24) Anthracene                 | 17.35 | 178 | 973225   | 15.923 ng | 97     |
| 26) Fluoranthene               | 19.28 | 202 | 5563396  | 57.236 ng | 95     |
| 28) Pyrene                     | 19.64 | 202 | 5181391  | 57.312 ng | # 88   |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 3206389  | 34.193 ng | 94     |
| 31) Chrysene                   | 21.43 | 228 | 2346420  | 25.085 ng | 95     |
| 32) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 360715   | 1.733 ng  | # 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.68 | 276 | 1329642m | 13.149 ng |        |
| 35) Benzo(b)fluoranthene       | 23.15 | 252 | 2979054m | 34.430 ng |        |
| 36) Benzo(k)fluoranthene       | 23.17 | 252 | 1387924m | 15.097 ng |        |
| 37) Benzo(a)pyrene             | 23.81 | 252 | 2310910  | 27.692 ng | 97     |
| 38) Dibenzo(a,h)anthracene     | 26.71 | 278 | 365684m  | 4.652 ng  |        |
| 39) Benzo(a,h,i)perylene       | 27.55 | 276 | 1271840m | 15.707 ng |        |

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

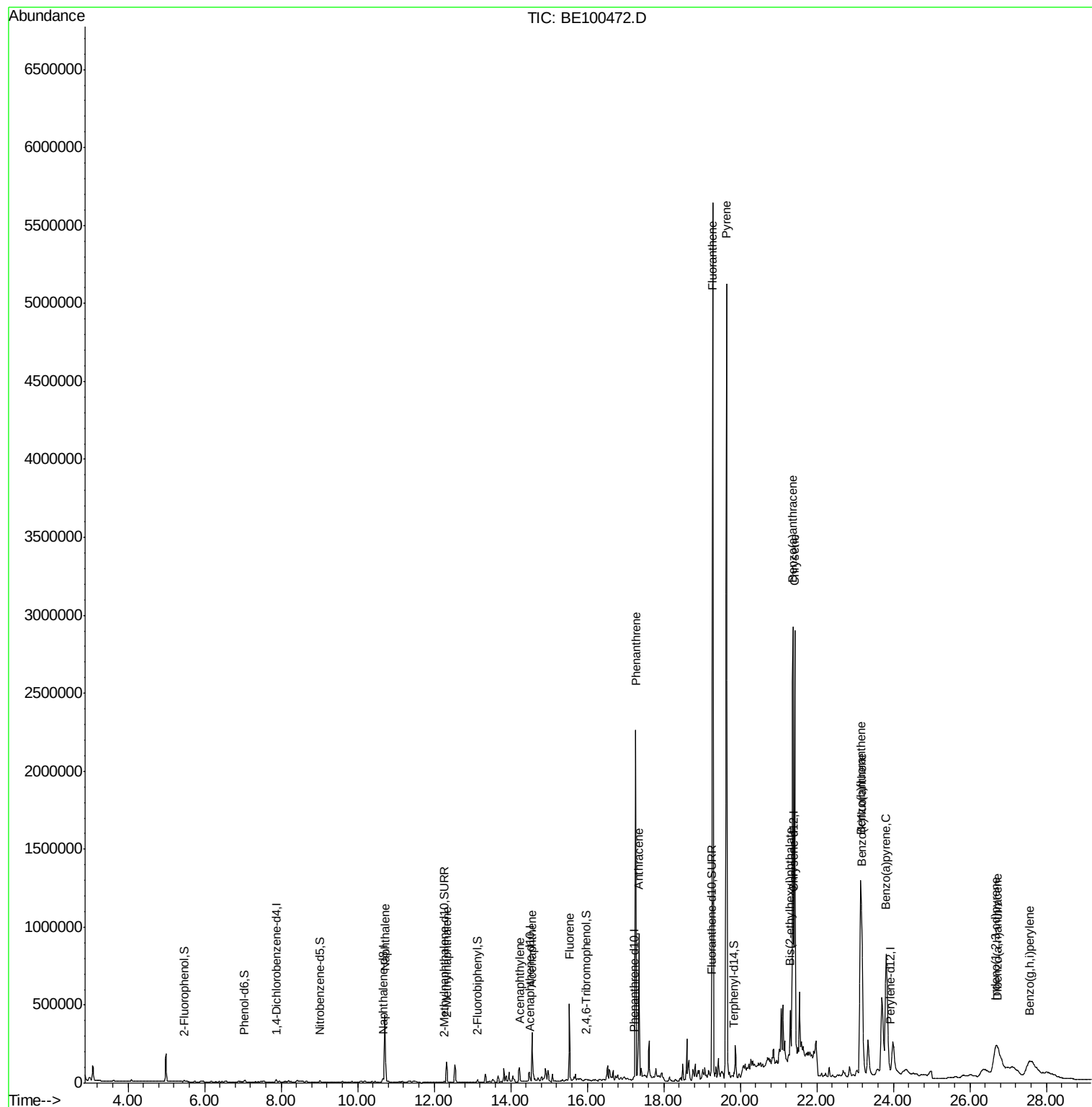
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071919\  
Data File : BE100472.D  
Acq On : 19 Jul 2019 16:37  
Operator : HP/JU  
Sample : K3911-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

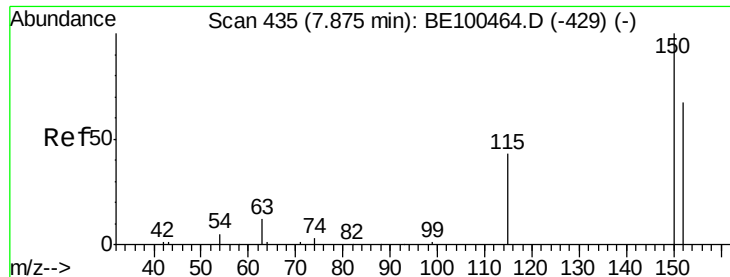
Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

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Quant Time: Jul 22 19:23:00 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 19 13:59:01 2019  
Response via : Initial Calibration





#1

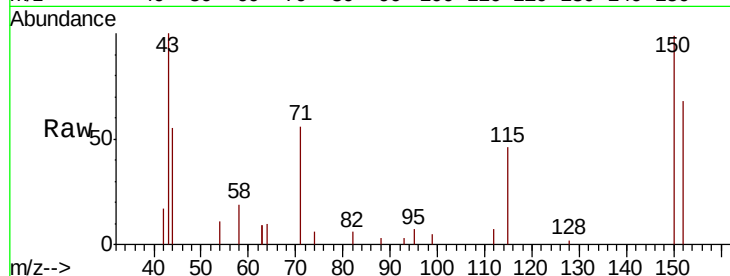
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.87 min Scan# 435  
Delta R.T. -0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.0 | 117.6 | 176.4 |
| 115     | 67.1  | 54.9  | 82.3  |

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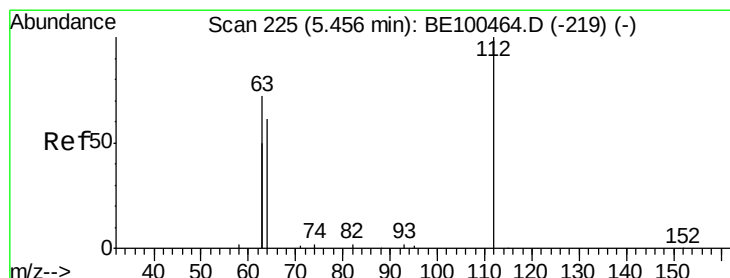
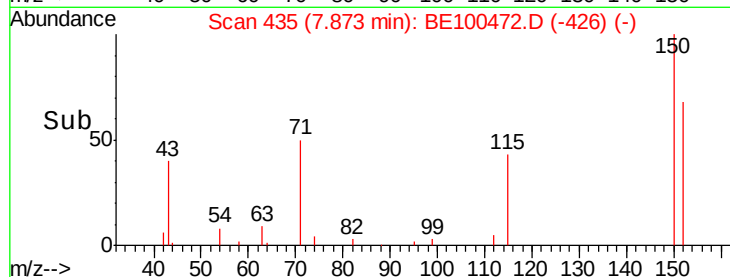
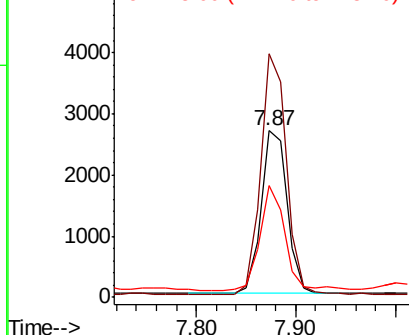


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

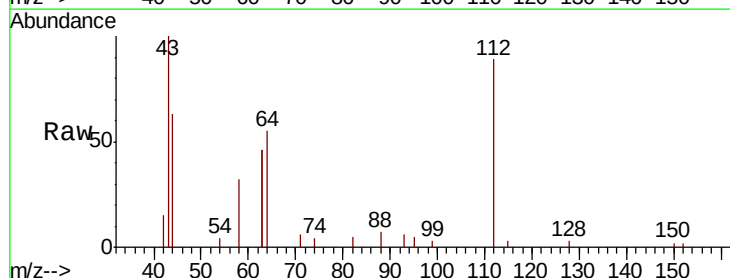
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol  
Concen: 0.457 ng  
RT: 5.47 min Scan# 226  
Delta R.T. 0.01 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.8  | 51.9  | 77.9  |
| 63      | 130.8 | 103.9 | 155.9 |

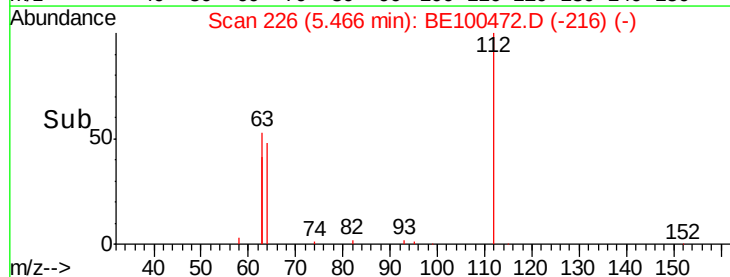
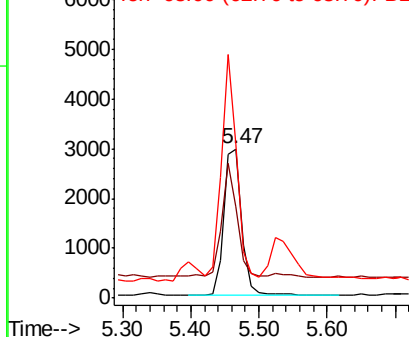


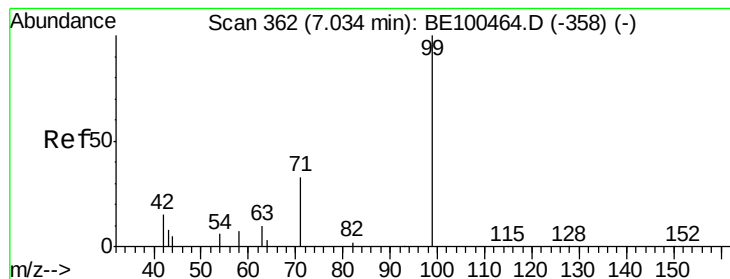
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.542 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.00 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

Instrument :

BNA\_E

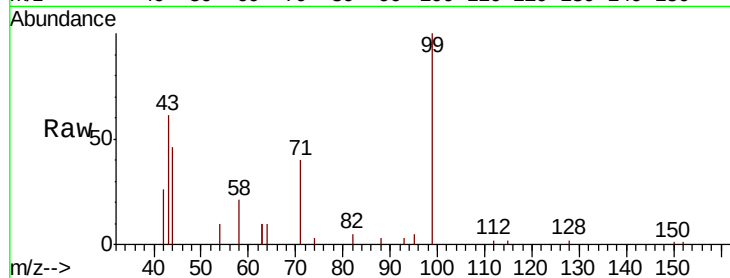
ClientSampleId :

HJDC-COMP1

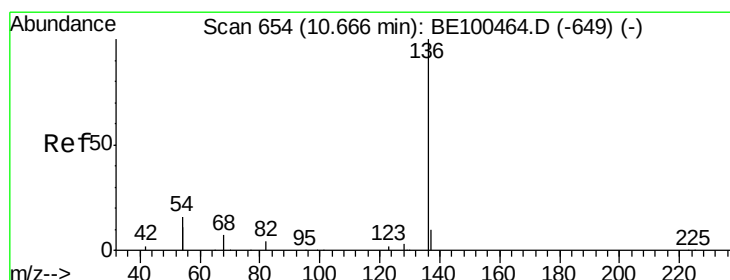
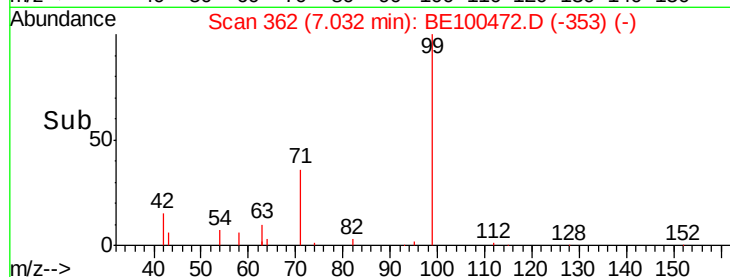
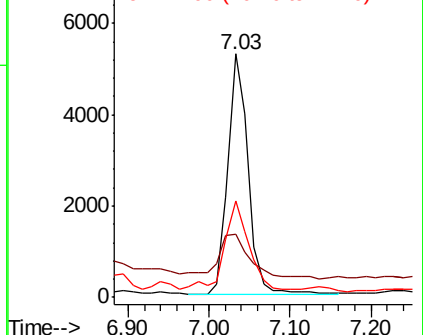
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 9104  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 27.8  | 16.2  | 24.4# |
| 71        | 42.6  | 26.0  | 39.0# |

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Abundance Ion 99.00 (98.70 to 99.70): BE1  
Ion 42.00 (41.70 to 42.70): BE1  
Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

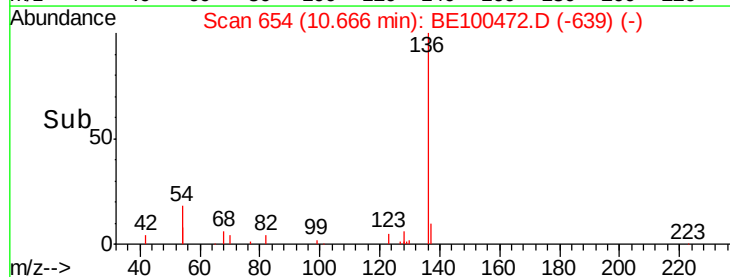
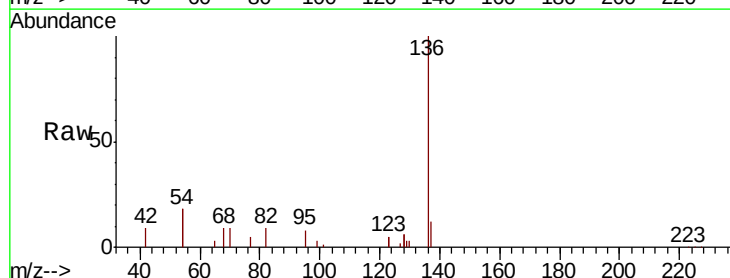
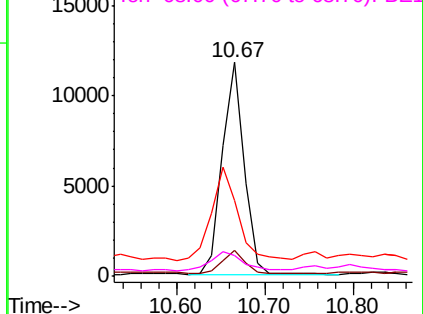
Delta R.T. -0.00 min

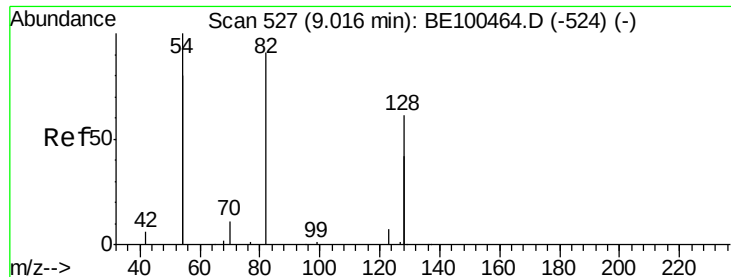
Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 20271 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 12.2  | 9.0   | 13.6  |
| 54        | 35.1  | 26.2  | 39.2  |
| 68        | 9.4   | 6.5   | 9.7   |

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): BE1  
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.412 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

Instrument :

BNA\_E

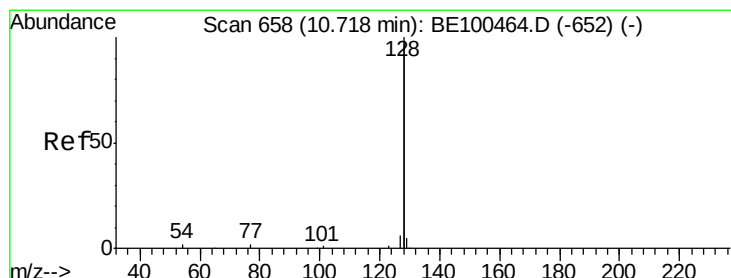
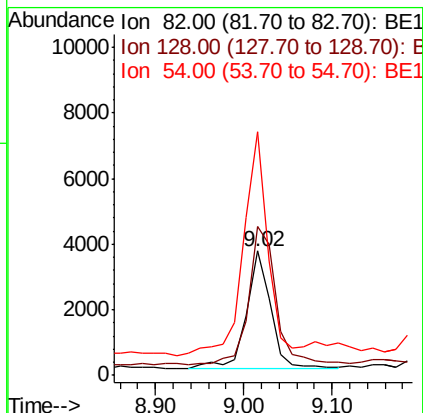
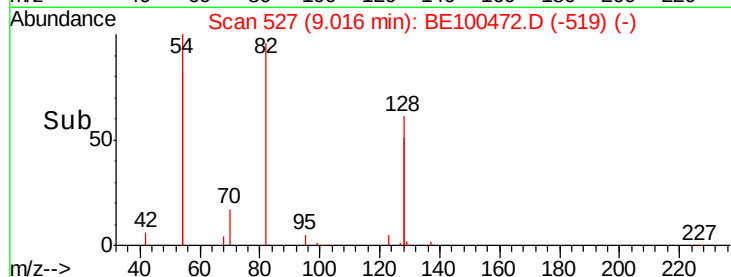
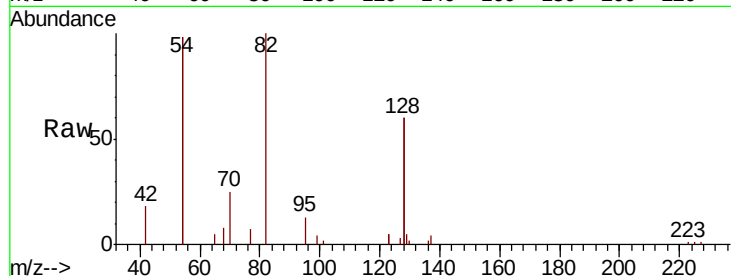
ClientSampleId :

HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 119.8 | 100.7 | 151.1 |
| 54      | 196.2 | 164.4 | 246.6 |

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#9

Naphthalene

Concen: 3.916 ng

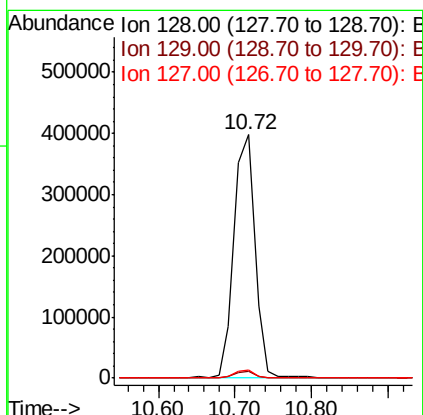
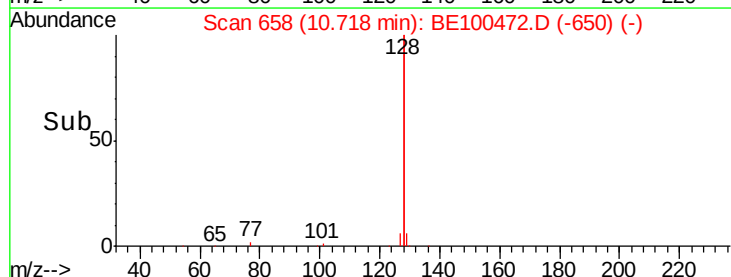
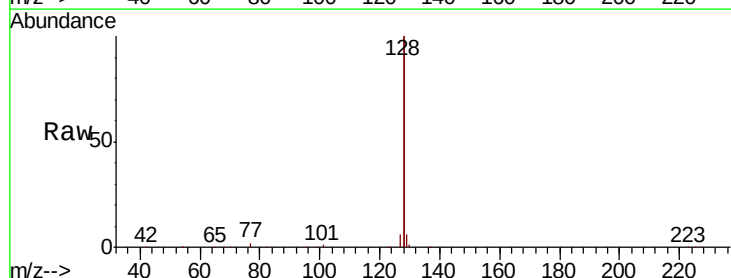
RT: 10.72 min Scan# 658

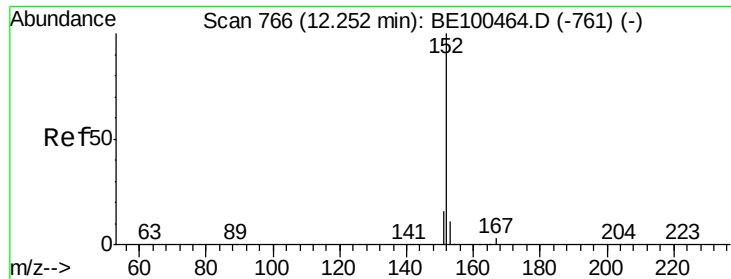
Delta R.T. -0.00 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 2.9   | 2.4   | 3.6   |
| 127     | 3.2   | 2.6   | 4.0   |





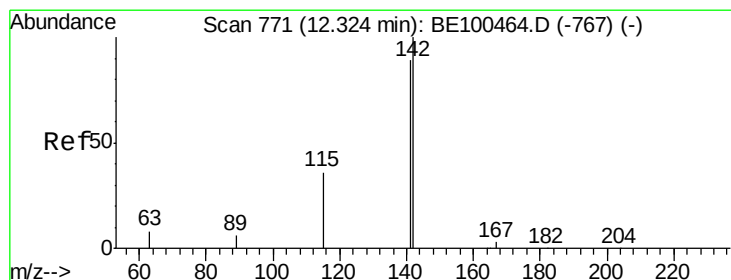
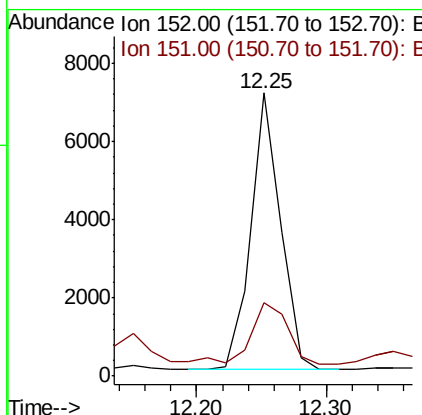
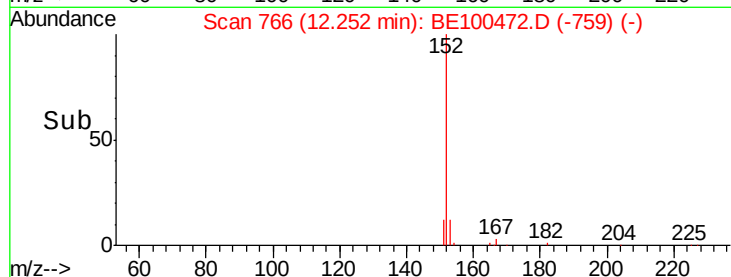
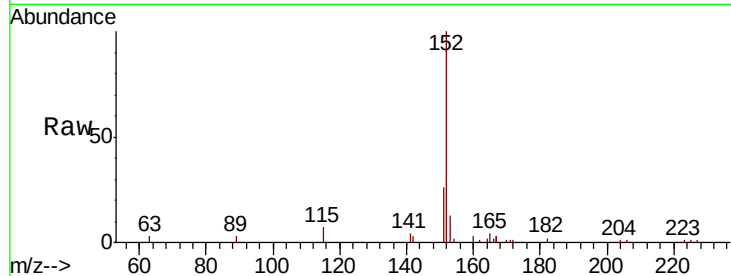
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.346 ng  
 RT: 12.25 min Scan# 766  
 Delta R.T. -0.00 min  
 Lab File: BE100472.D  
 Acq: 19 Jul 2019 16:37

Instrument :  
 BNA\_E  
 ClientSampleId :  
 HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 28.2  | 15.8  | 23.6# |

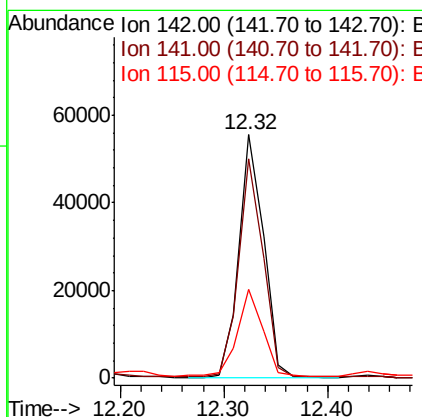
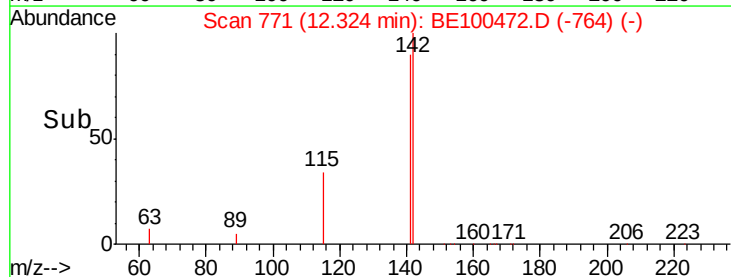
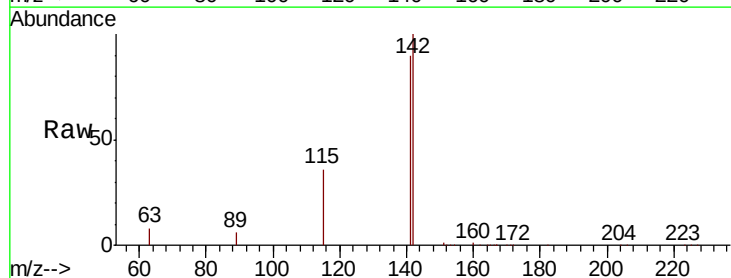
Manual Integrations  
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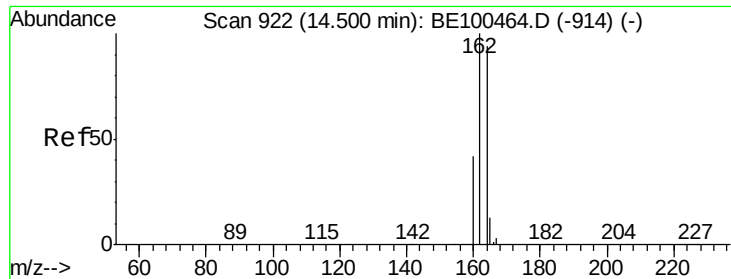
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#12  
 2-Methylnaphthalene  
 Concen: 2.696 ng  
 RT: 12.32 min Scan# 771  
 Delta R.T. -0.00 min  
 Lab File: BE100472.D  
 Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 71.7  | 107.5 |
| 115     | 36.2  | 30.4  | 45.6  |





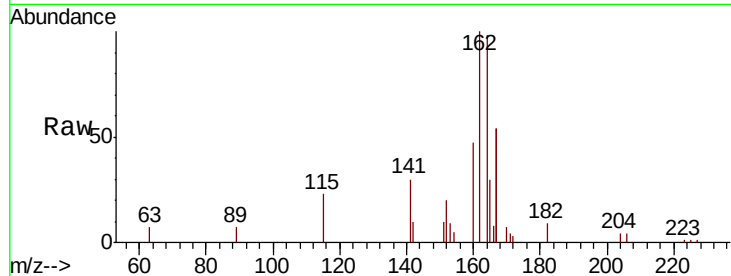
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.50 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 85.0  | 127.6 |
| 160     | 47.6  | 36.2  | 54.2  |

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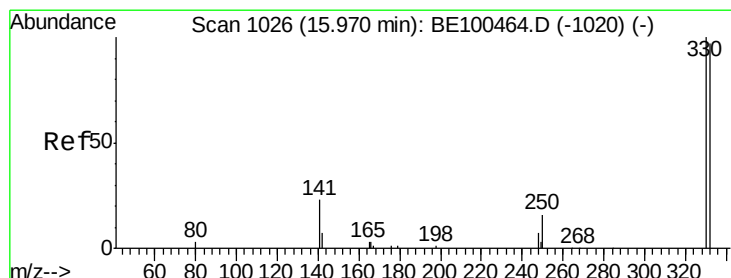
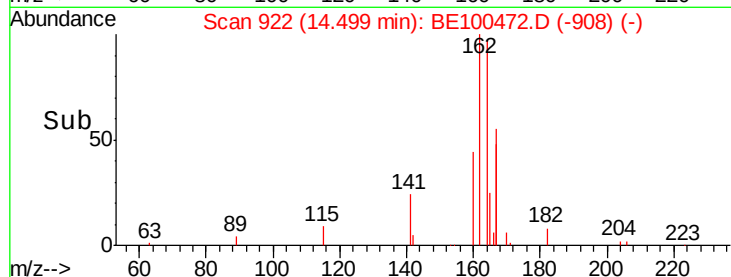
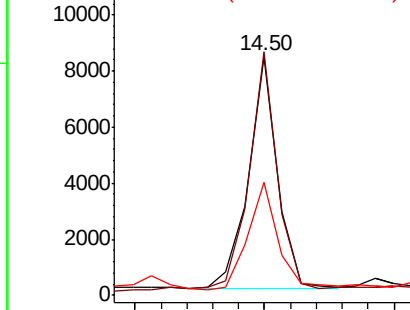


Abundance

Ion 164.00 (163.70 to 164.70): E

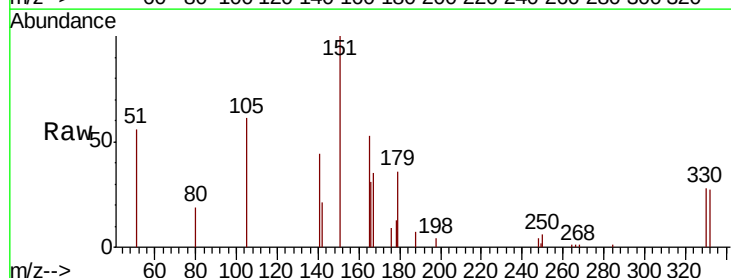
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14  
2,4,6-Tribromophenol  
Concen: 0.357 ng  
RT: 15.97 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.2  | 76.3  | 114.5 |
| 141     | 118.5 | 29.4  | 44.2# |

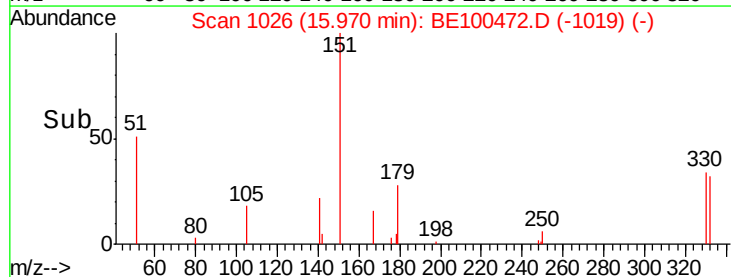
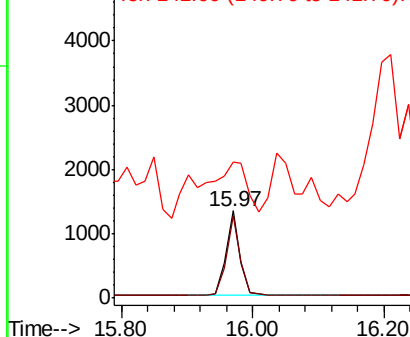


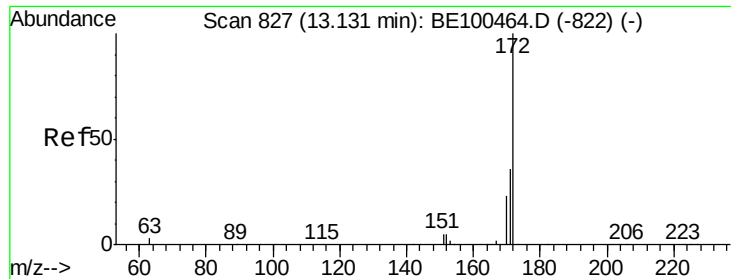
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





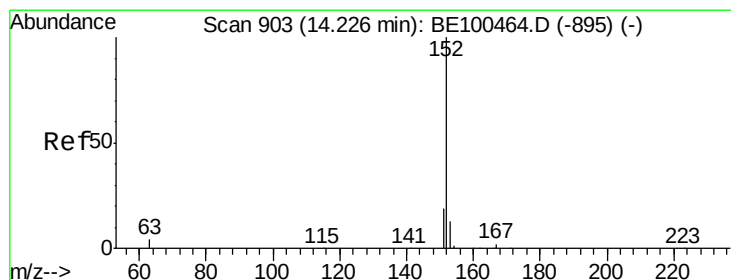
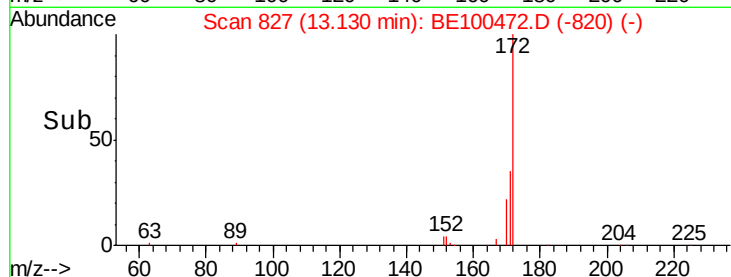
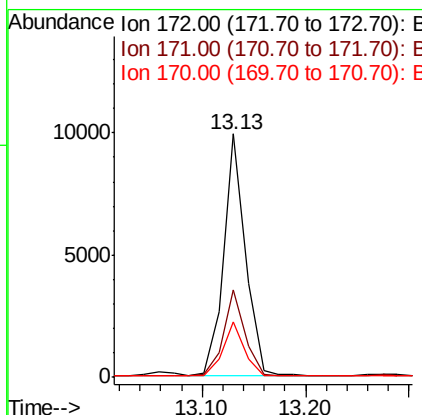
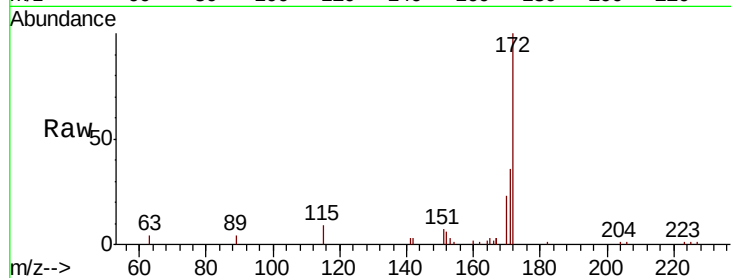
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2-Fluorobiphenyl  
Concen: 0.271 ng  
RT: 13.13 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampled :  
HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.2  | 43.8  |
| 170     | 22.5  | 18.8  | 28.2  |

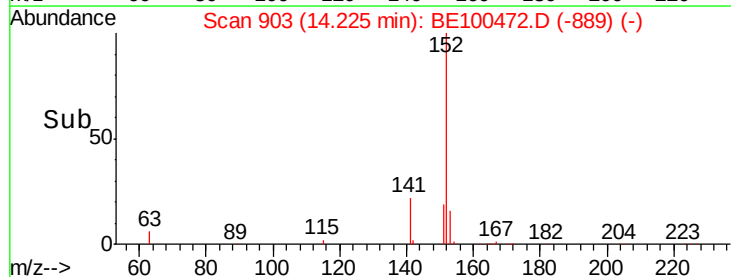
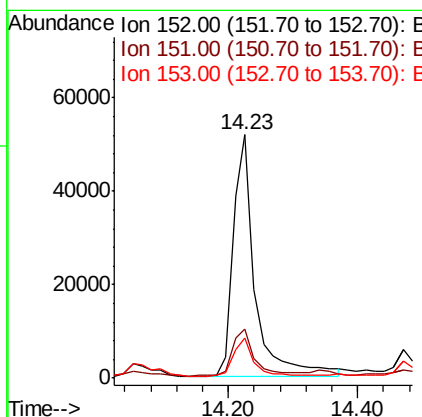
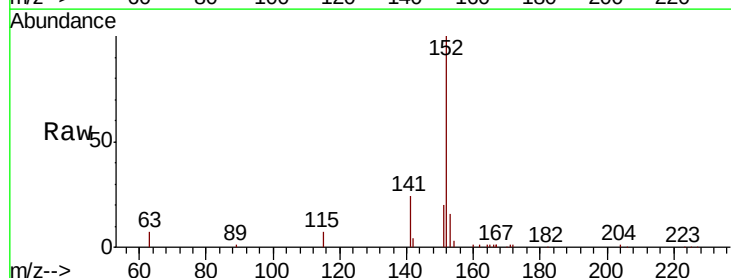
Manual Integrations  
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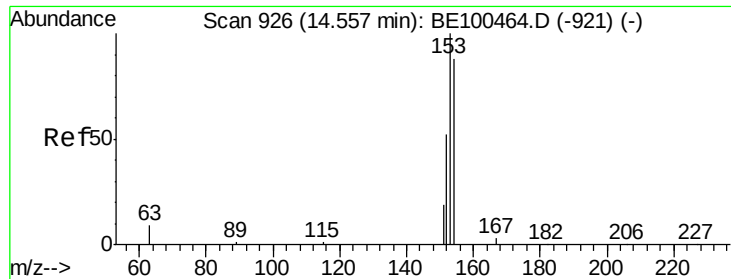


#16  
Acenaphthylene  
Concen: 2.046 ng  
RT: 14.23 min Scan# 903  
Delta R.T. -0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.2  | 15.5  | 23.3  |
| 153     | 14.9  | 10.6  | 15.8  |







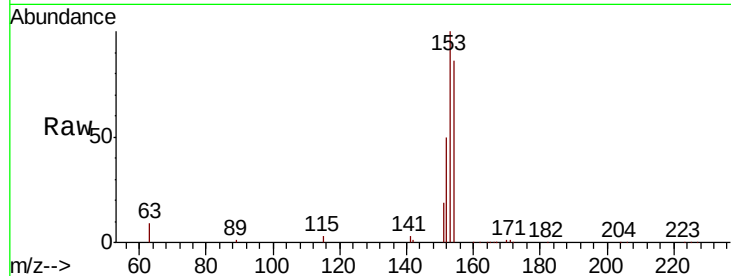
#17  
Acenaphthene  
Concen: 4.690 ng  
RT: 14.56 min Scan# 926  
Delta R.T. -0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.5 | 89.4  | 134.2 |
| 152     | 55.5  | 44.4  | 66.6  |

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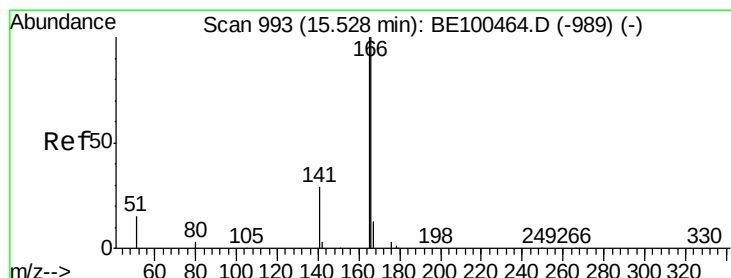
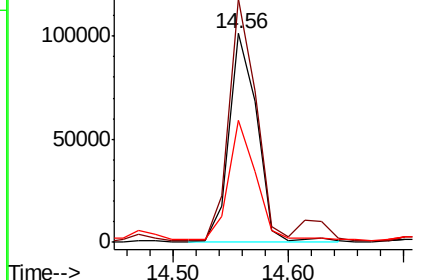
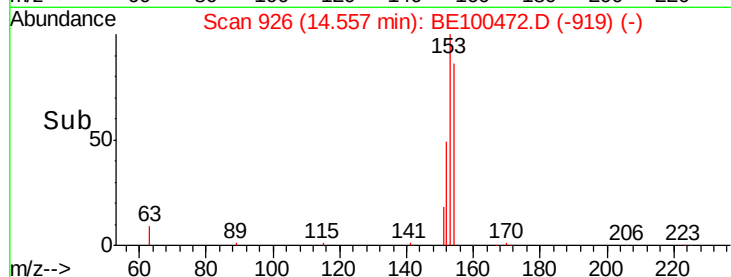


Abundance

Ion 154.00 (153.70 to 154.70): E

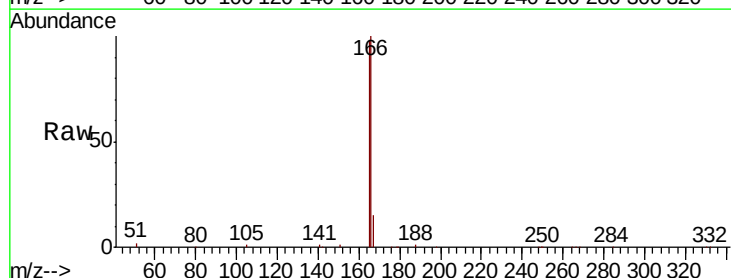
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18  
Fluorene  
Concen: 7.202 ng  
RT: 15.53 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.0  | 79.8  | 119.8 |
| 167     | 16.3  | 10.4  | 15.6  |

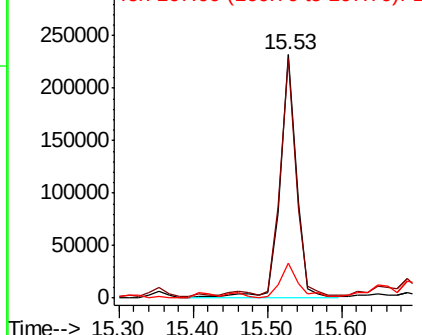
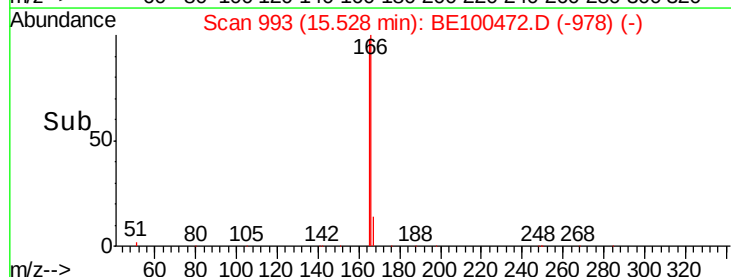


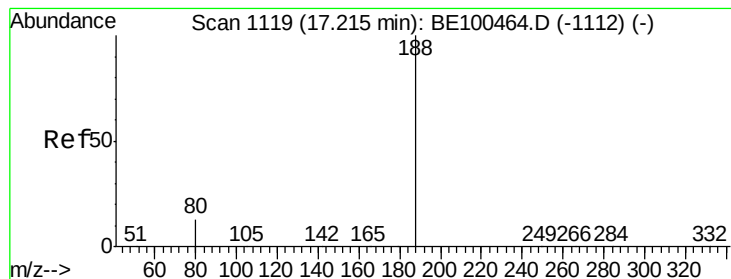
Abundance

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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

Instrument :

BNA\_E

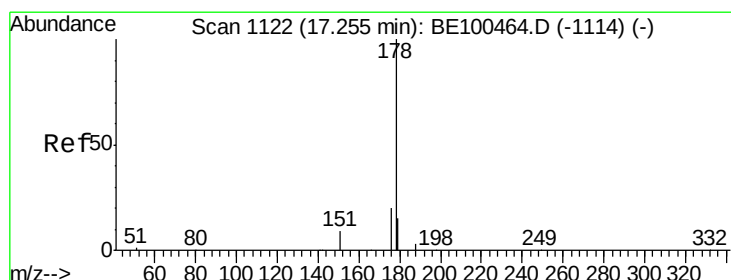
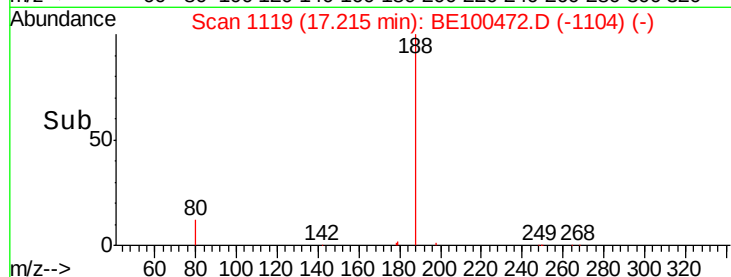
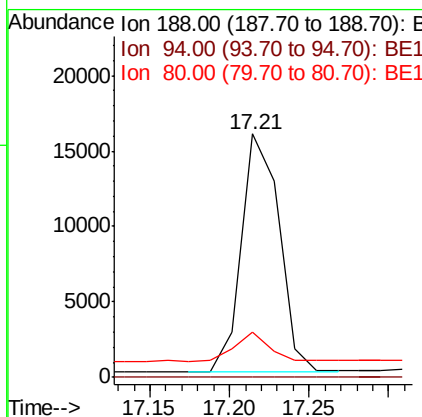
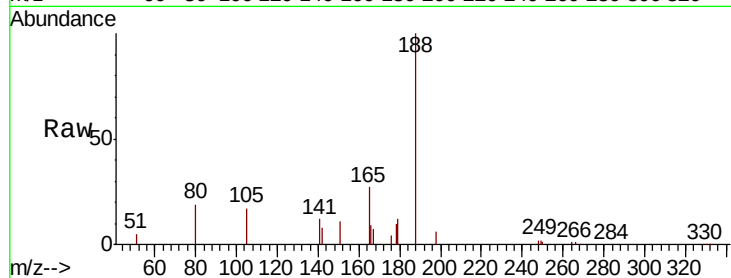
ClientSampleId :

HJDC-COMP1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 26443 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 18.5  | 10.7  | 16.1# |

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#23

Phenanthrene

Concen: 41.389 ng

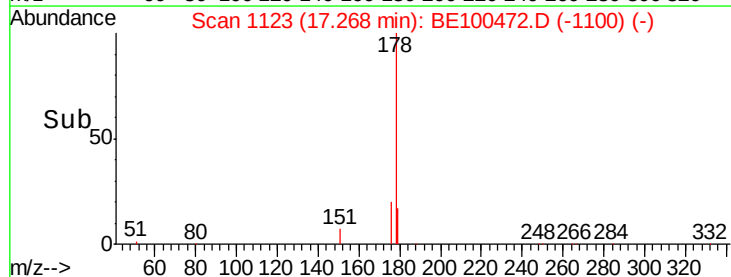
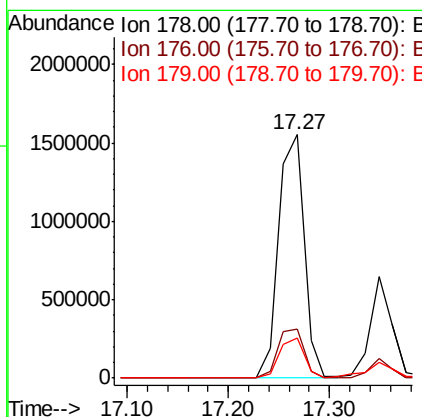
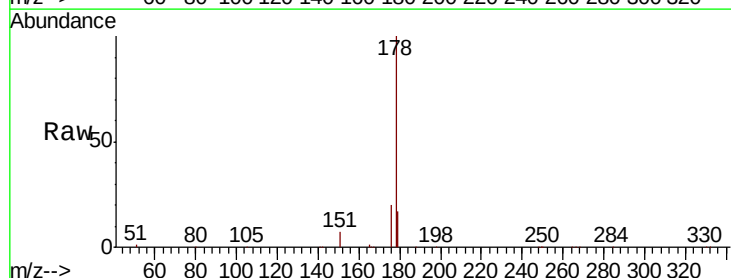
RT: 17.27 min Scan# 1123

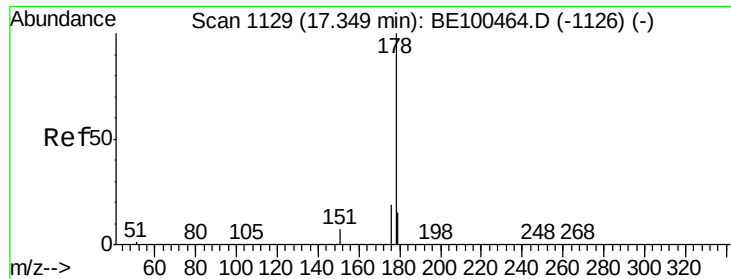
Delta R.T. 0.01 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 178   | Resp: | 2707498 |
| Ion Ratio | Lower | Upper |         |
| 178       | 100   |       |         |
| 176       | 20.6  | 15.5  | 23.3    |
| 179       | 16.2  | 12.5  | 18.7    |





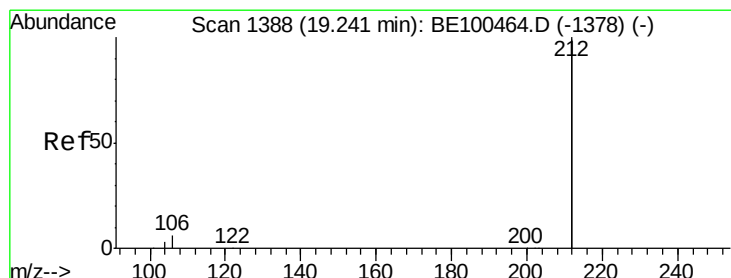
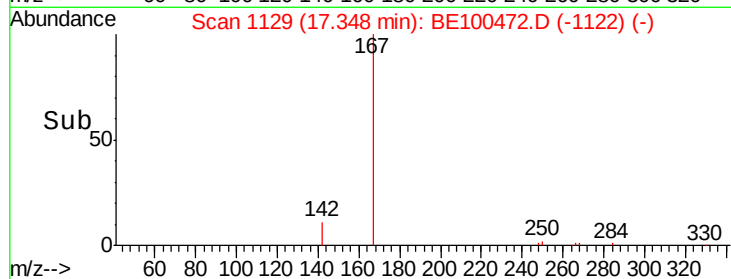
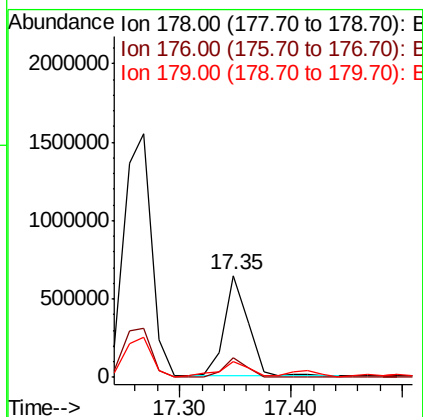
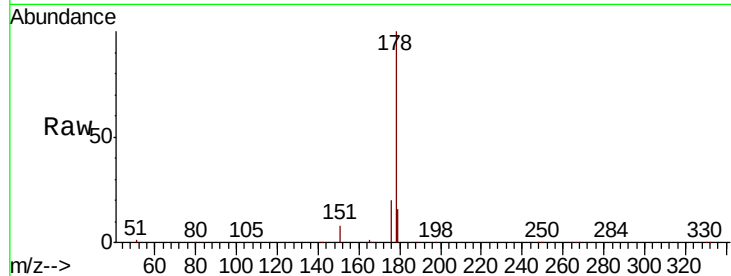
#24  
 Anthracene  
 Concen: 15.923 ng  
 RT: 17.35 min Scan# 1129  
 Delta R.T. -0.00 min  
 Lab File: BE100472.D  
 Acq: 19 Jul 2019 16:37

Instrument :  
 BNA\_E  
 ClientSampleId :  
 HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 15.0  | 22.6  |
| 179     | 17.9  | 12.2  | 18.2  |

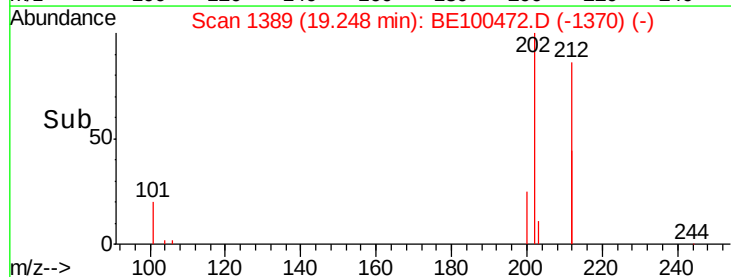
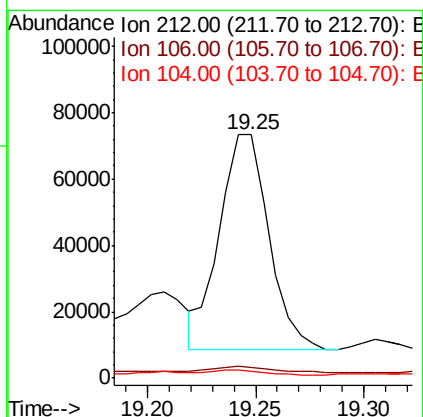
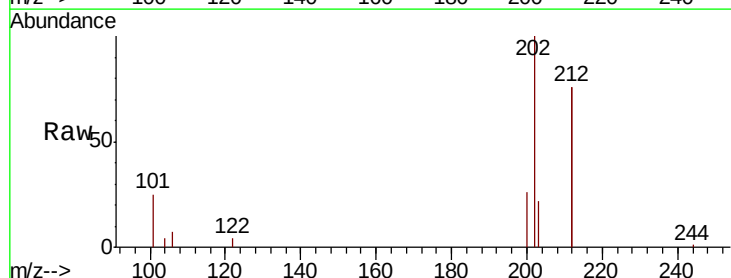
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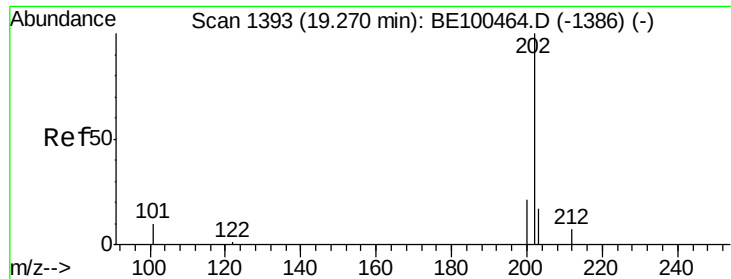
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#25  
 Fluoranthene-d10  
 Concen: 0.279 ng  
 RT: 19.25 min Scan# 1389  
 Delta R.T. 0.01 min  
 Lab File: BE100472.D  
 Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 3.1   | 2.2   | 3.2   |
| 104     | 2.1   | 1.2   | 1.8#  |





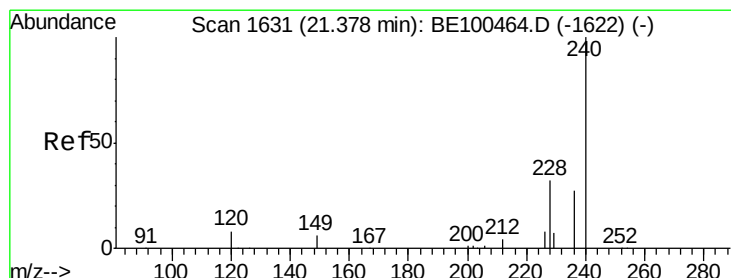
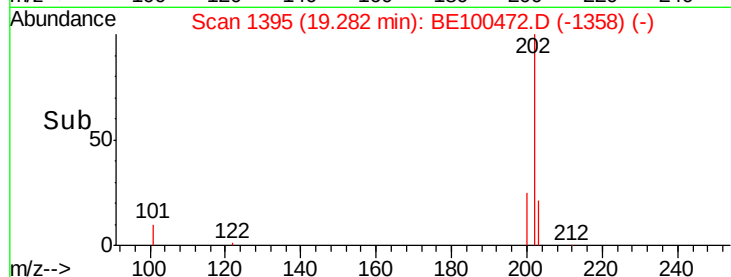
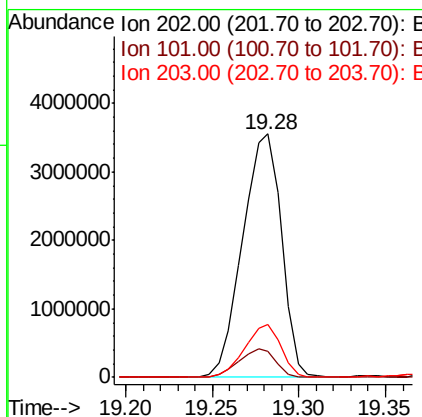
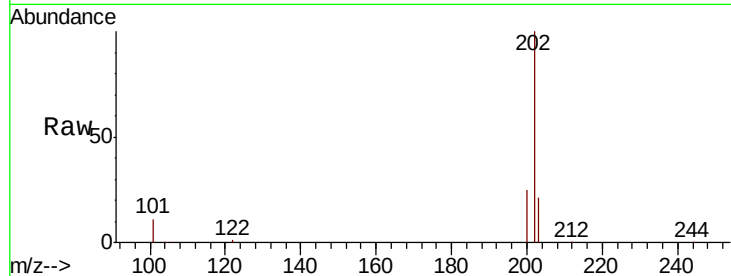
#26  
Fluoranthene  
Concen: 57.236 ng  
RT: 19.28 min Scan# 1395  
Delta R.T. 0.01 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

Tot Ion:202 Resp: 5563396  
Ion Ratio Lower Upper  
202 100  
101 11.2 8.3 12.5  
203 19.9 13.6 20.4

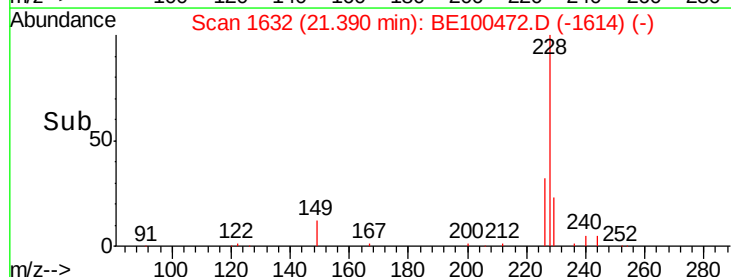
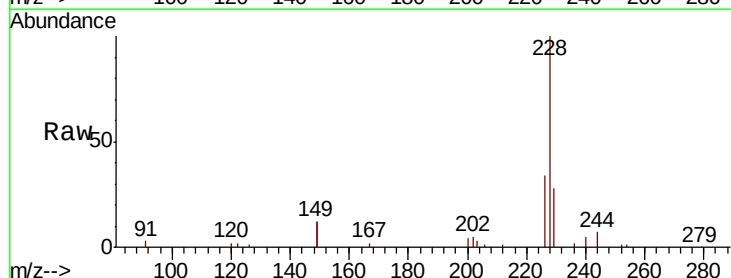
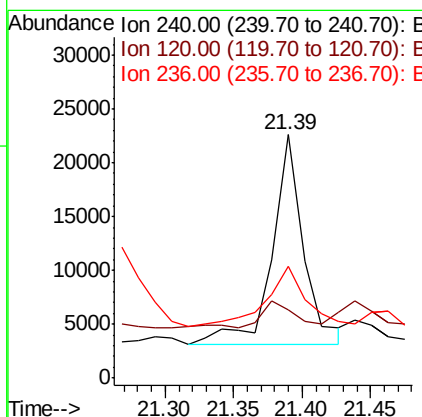
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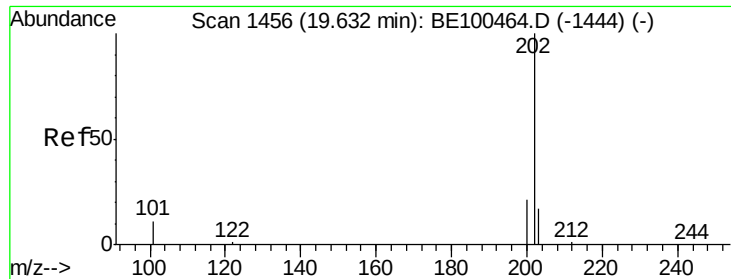
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#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.39 min Scan# 1632  
Delta R.T. 0.01 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Tgt Ion:240 Resp: 30745  
Ion Ratio Lower Upper  
240 100  
120 28.1 7.1 10.7#  
236 46.2 21.7 32.5#





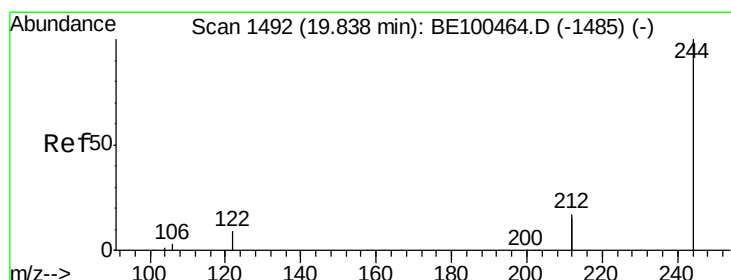
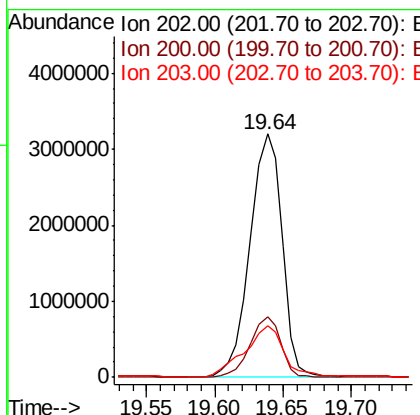
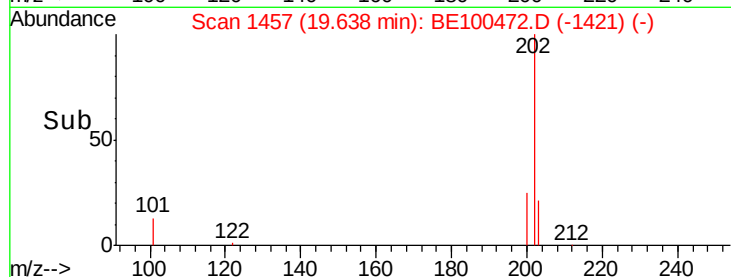
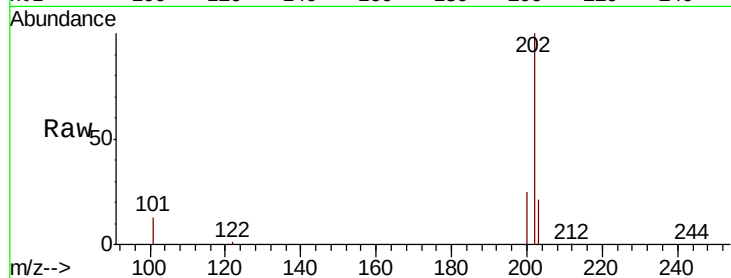
#28  
Pvrene  
Concen: 57.312 ng  
RT: 19.64 min Scan# 1457  
Delta R.T. 0.01 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.7  | 16.7  | 25.1  |
| 203     | 25.9  | 13.8  | 20.8  |

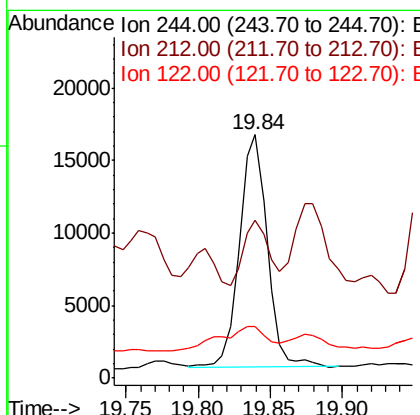
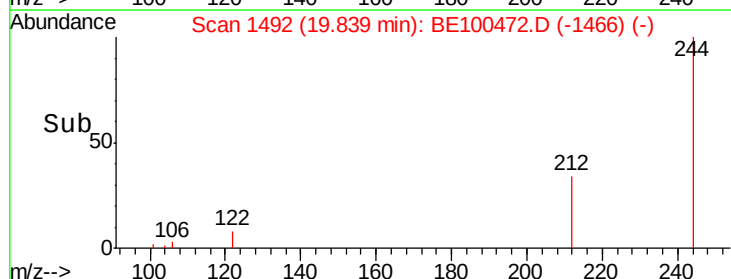
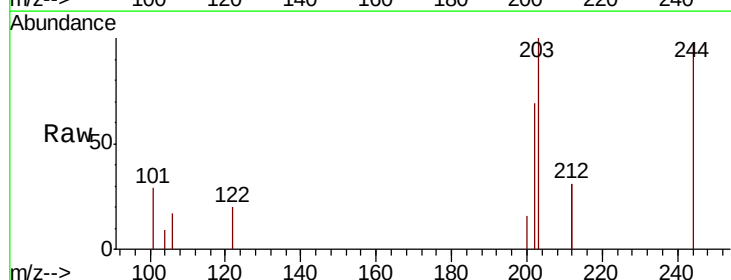
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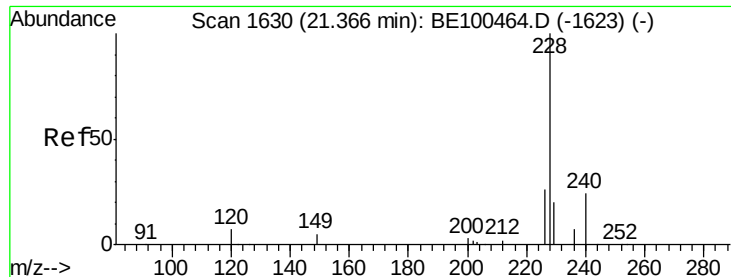
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#29  
Terphenyl-d14  
Concen: 0.305 ng  
RT: 19.84 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 64.6  | 26.6  | 40.0  |
| 122     | 21.0  | 7.6   | 11.4  |





#30

Benzo(a)anthracene

Concen: 34.193 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

Instrument :

BNA\_E

ClientSampleId :

HJDC-COMP1

Tot Ion:228 Resp: 3206389

Ion Ratio Lower Upper

228 100

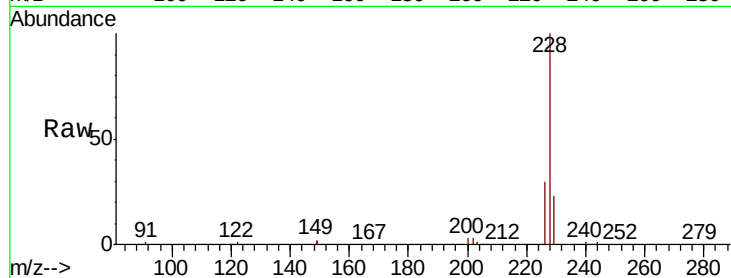
226 29.8 21.3 31.9

229 23.2 16.6 25.0

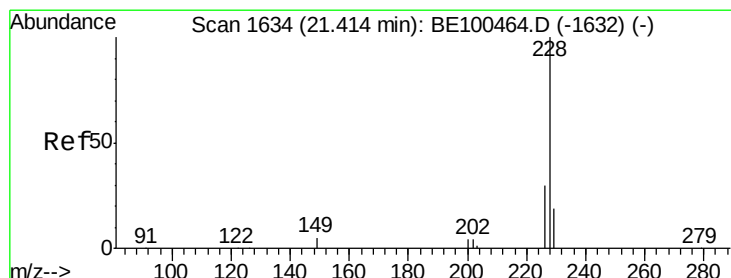
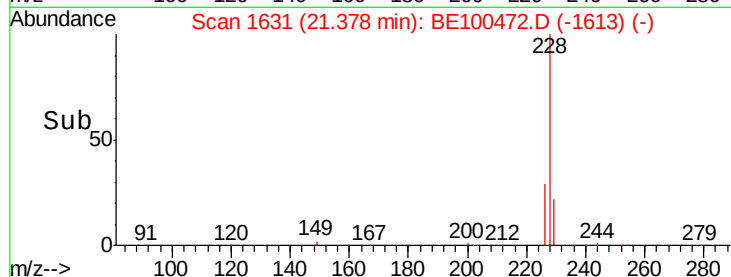
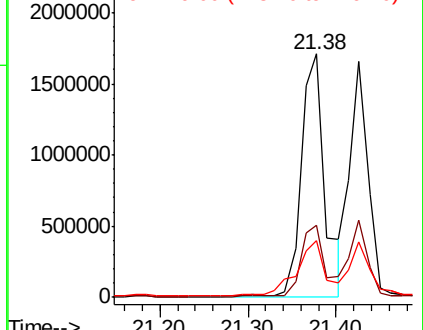
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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 25.085 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

Tgt Ion:228 Resp: 2346420

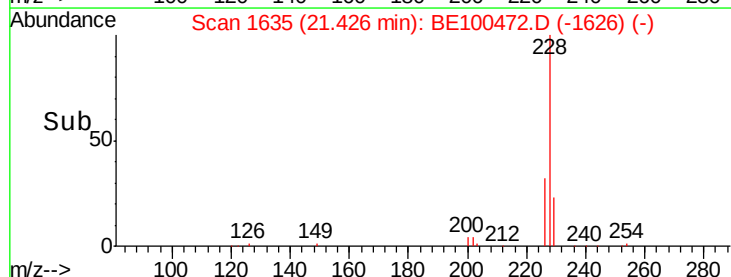
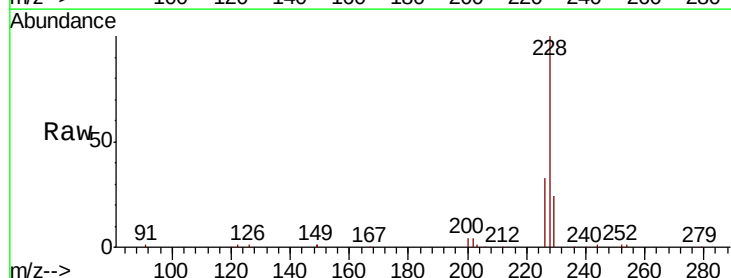
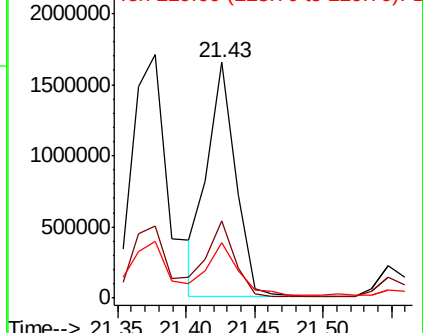
Ion Ratio Lower Upper

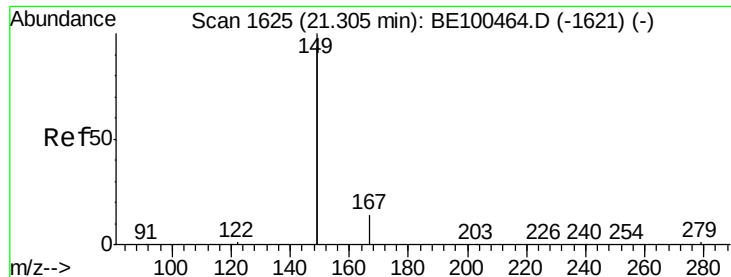
228 100

226 32.6 24.5 36.7

229 23.5 16.0 24.0

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: 1.733 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

Instrument :

BNA\_E

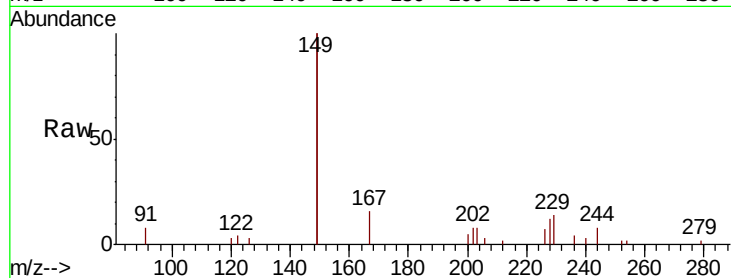
ClientSampleId :

HJDC-COMP1

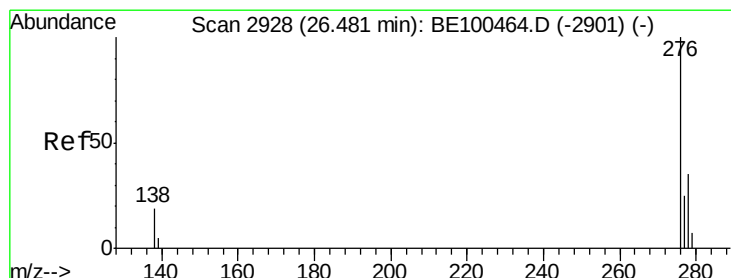
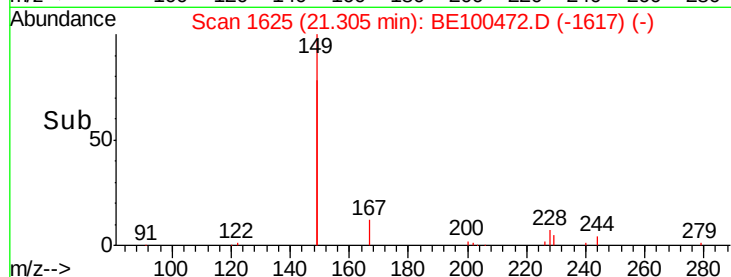
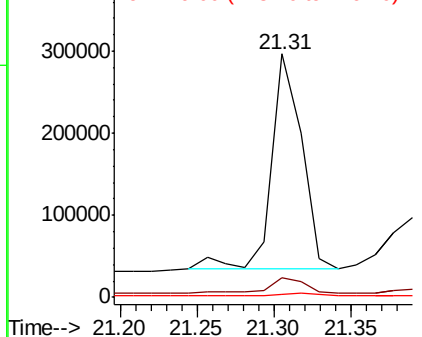
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.8   | 5.8   | 8.6   |
| 279     | 1.4   | 0.8   | 1.2#  |

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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: 13.149 ng m

RT: 26.68 min Scan# 2985

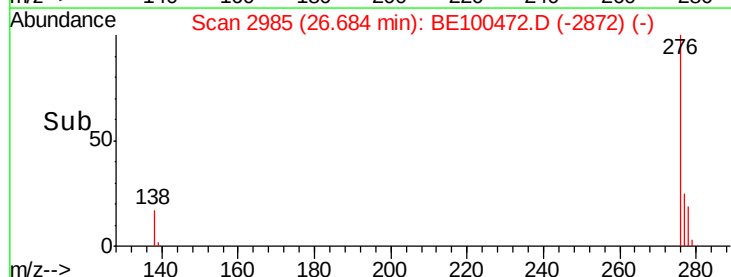
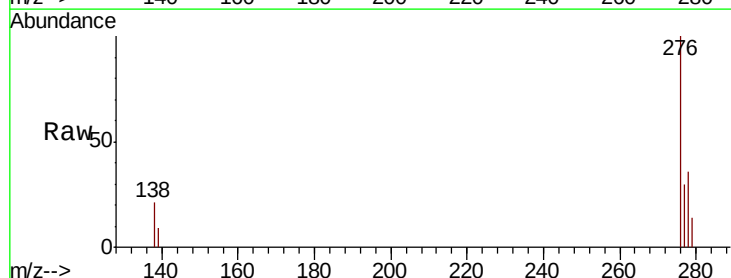
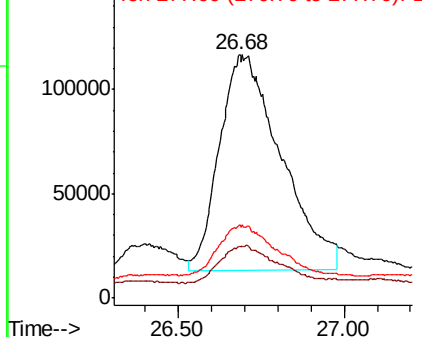
Delta R.T. 0.20 min

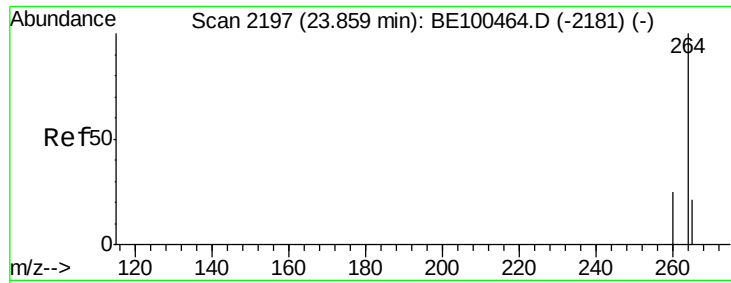
Lab File: BE100472.D

Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.2   | 17.4  | 26.0# |
| 277     | 0.4   | 19.4  | 29.0# |

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





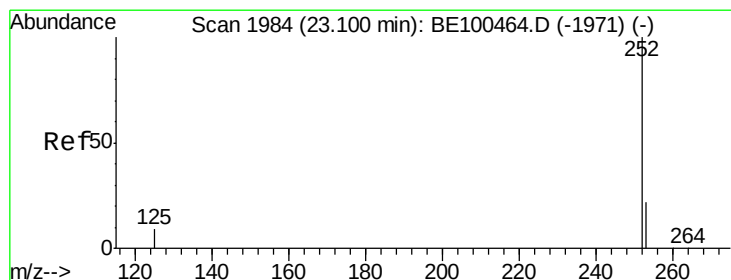
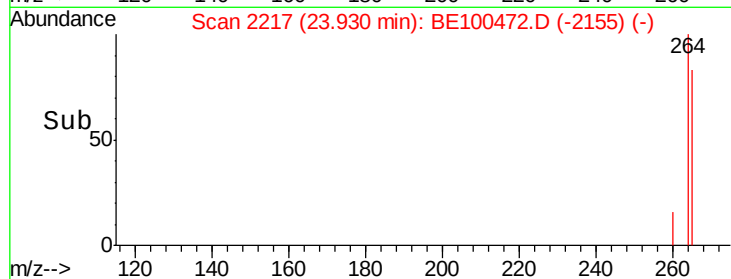
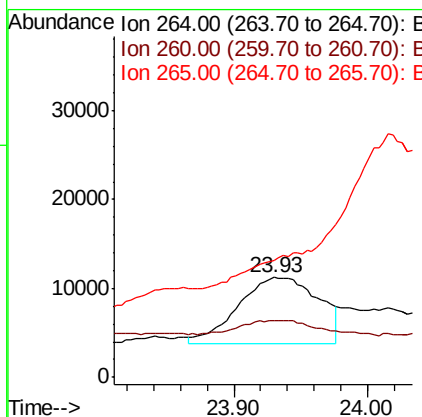
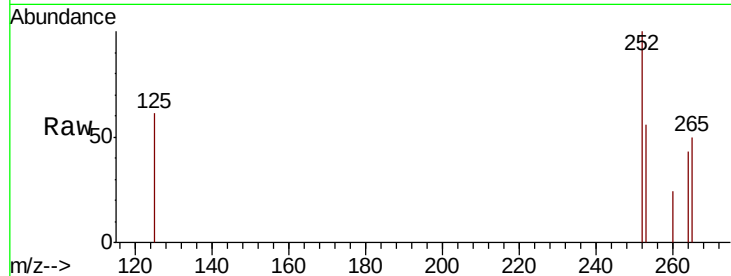
#34  
Pervlene-d12  
Concen: 0.400 ng m  
RT: 23.93 min Scan# 2217  
Delta R.T. 0.07 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 57.3  | 20.7  | 31.1# |
| 265     | 117.4 | 23.4  | 35.0# |

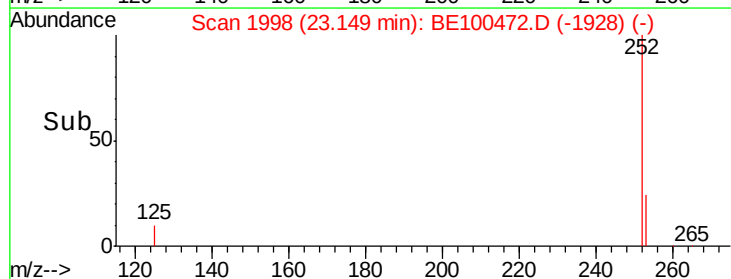
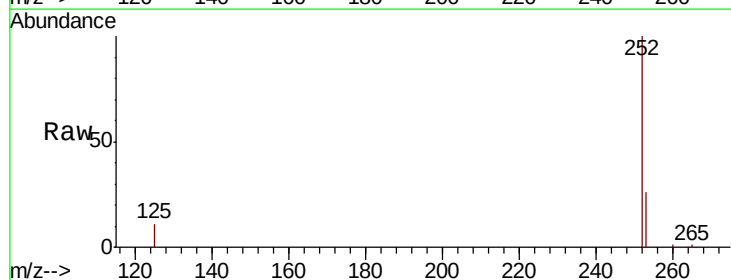
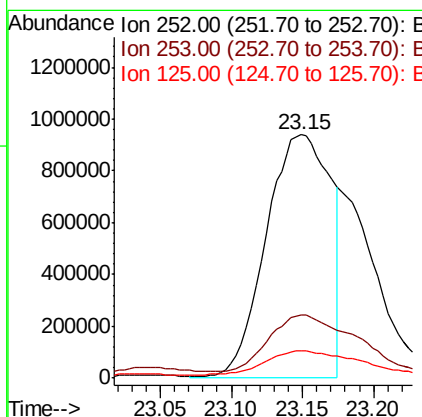
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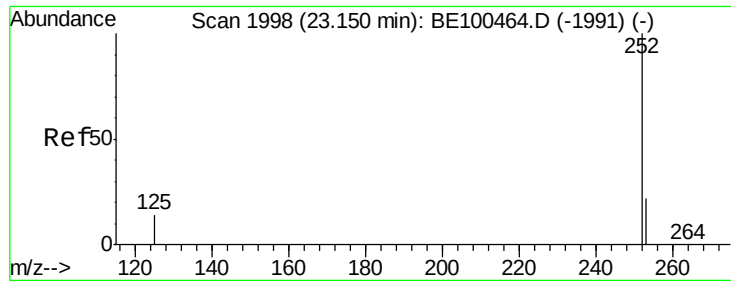


#35  
Benzo(b)fluoranthene  
Concen: 34.430 ng m  
RT: 23.15 min Scan# 1998  
Delta R.T. 0.05 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.7  | 18.5  | 27.7  |
| 125     | 11.2  | 9.0   | 13.4  |







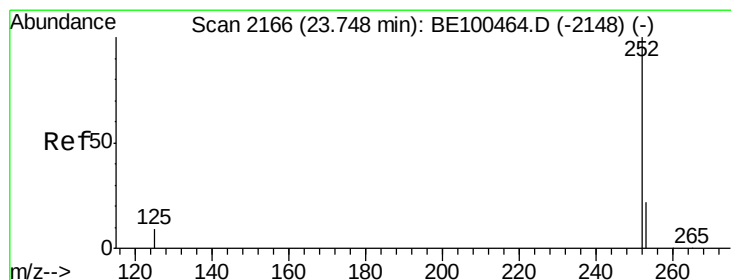
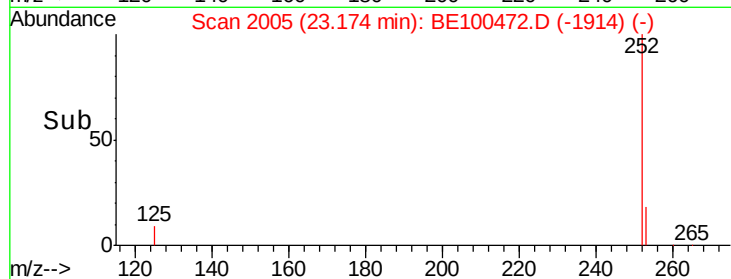
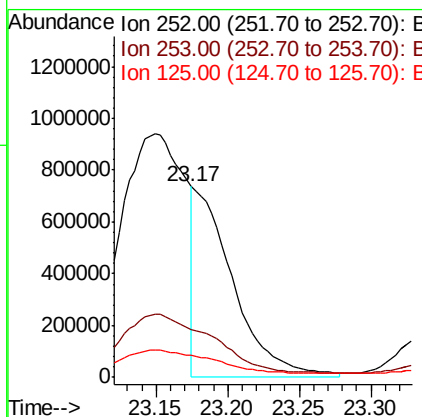
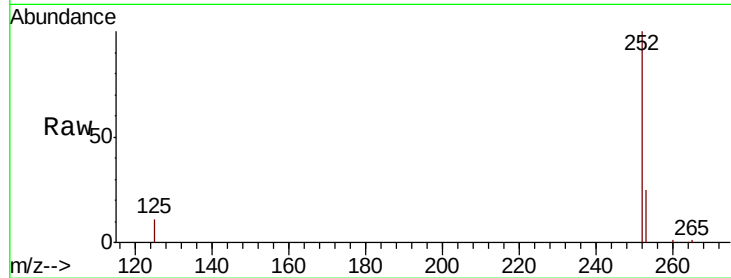
#36  
Benzo(k)fluoranthene  
Concen: 15.097 ng m  
RT: 23.17 min Scan# 2005  
Delta R.T. 0.02 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

Tot Ion:252 Resp: 1387924  
Ion Ratio Lower Upper  
252 100  
253 25.2 19.0 28.4  
125 11.3 11.8 17.8#

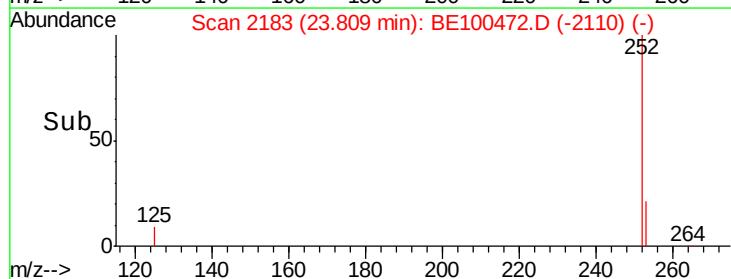
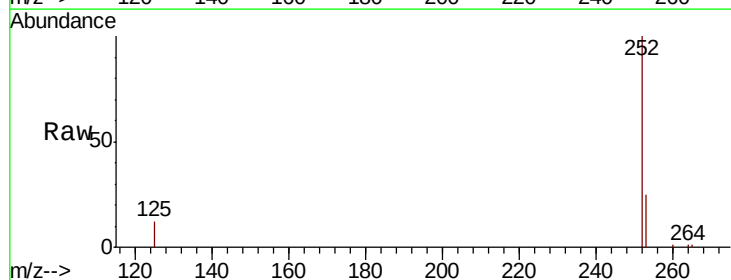
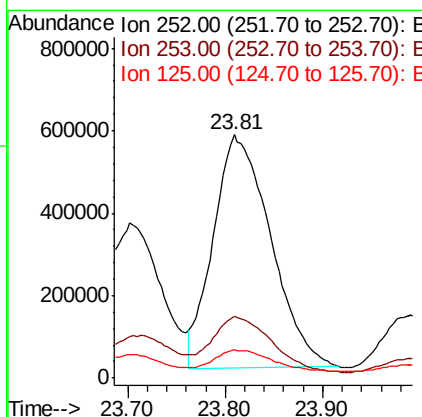
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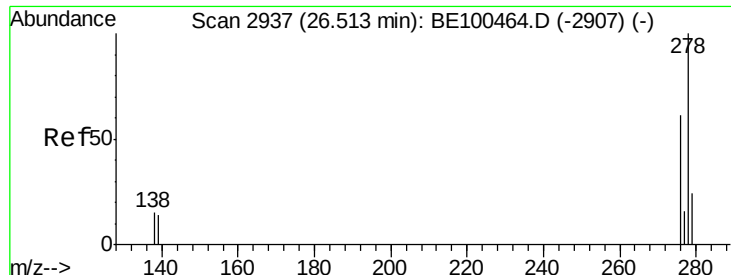
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#37  
Benzo(a)pyrene  
Concen: 27.692 ng  
RT: 23.81 min Scan# 2183  
Delta R.T. 0.06 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Tgt Ion:252 Resp: 2310910  
Ion Ratio Lower Upper  
252 100  
253 25.4 19.1 28.7  
125 11.6 10.0 15.0





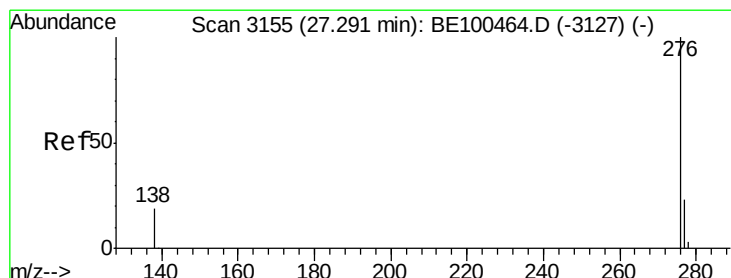
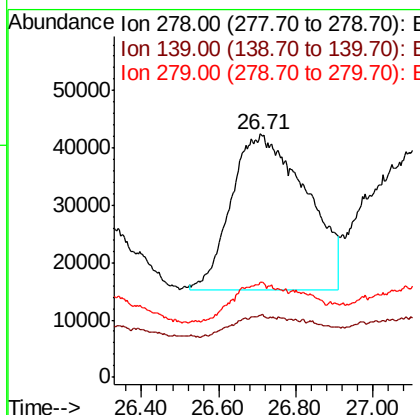
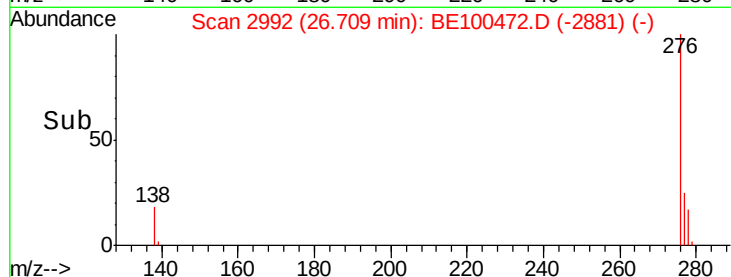
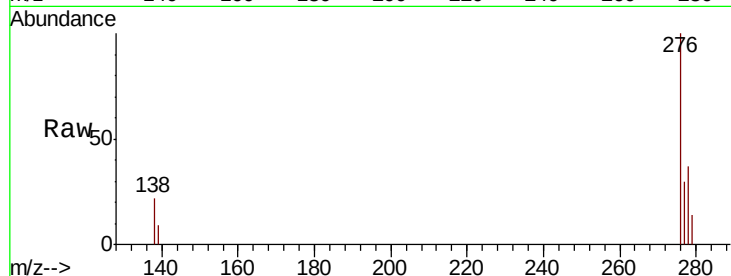
#38  
Dibenzo(a,h)anthracene  
Concen: 4.652 ng m  
RT: 26.71 min Scan# 2992  
Delta R.T. 0.20 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

Instrument :  
BNA\_E  
ClientSampleId :  
HJDC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.5  | 13.0  | 19.6# |
| 279     | 39.3  | 20.4  | 30.6# |

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#39  
Benzo(g,h,i)perylene  
Concen: 15.707 ng m  
RT: 27.55 min Scan# 3229  
Delta R.T. 0.26 min  
Lab File: BE100472.D  
Acq: 19 Jul 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 31.2  | 19.9  | 29.9# |
| 138     | 22.2  | 16.7  | 25.1  |

