

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
 Data File : BE099215.D  
 Acq On : 26 Mar 2019 14:59  
 Operator : JU/SJ  
 Sample : K2064-02MS  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P002-TW001-01MS

Manual Integrations  
 APPROVED

Sohil  
 3/28/2019 5:11:27 PM

Quant Time: Mar 28 14:43:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 3070     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 12878    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 9557     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.21 | 188  | 29785    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.38 | 240  | 35323    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 33566    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.41  | 112 | 1832   | 0.20 | ng | 0.00 |
| 5) Phenol-d6                | 6.99  | 99  | 1534   | 0.11 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 4334   | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 10131m | 0.41 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330 | 1773   | 0.55 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 15776  | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.24 | 212 | 161276 | 0.45 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.83 | 244 | 28019  | 0.36 | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.34  | 88  | 1224   | 0.302  | ng | # 36 |
| 3) n-Nitrosodimethylamine      | 3.68  | 42  | 403    | 0.178  | ng | # 92 |
| 6) bis(2-Chloroethyl)ether     | 7.25  | 93  | 4213   | 0.383  | ng | 96   |
| 9) Naphthalene                 | 10.68 | 128 | 58641  | 0.386  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.95 | 225 | 2911   | 0.360  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 10741  | 0.396  | ng | 98   |
| 16) Acenaphthylene             | 14.20 | 152 | 18546  | 0.381  | ng | 99   |
| 17) Acenaphthene               | 14.54 | 154 | 11551  | 0.396  | ng | 99   |
| 18) Fluorene                   | 15.51 | 166 | 17264  | 0.421  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248 | 6704   | 0.349  | ng | # 73 |
| 21) Hexachlorobenzene          | 16.50 | 284 | 6510   | 0.351  | ng | 98   |
| 22) Pentachlorophenol          | 16.85 | 266 | 4716   | 1.676  | ng | 91   |
| 23) Phenanthrene               | 17.25 | 178 | 35083  | 0.401  | ng | 100  |
| 24) Anthracene                 | 17.33 | 178 | 31412  | 0.397  | ng | 99   |
| 26) Fluoranthene               | 19.26 | 202 | 46017  | 0.412  | ng | 99   |
| 28) Pyrene                     | 19.63 | 202 | 52705  | 0.449  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.37 | 228 | 47472  | 0.407  | ng | 98   |
| 31) Chrysene                   | 21.41 | 228 | 48411  | 0.389  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 78366  | 0.564  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.56 | 276 | 42330m | 0.359  | ng |      |
| 35) Benzo(b)fluoranthene       | 23.12 | 252 | 41471  | 0.375  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 23.17 | 252 | 47847  | 0.410  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.78 | 252 | 42193  | 0.409  | ng | 100  |
| 38) Dibenzo(a,h)anthracene     | 26.57 | 278 | 34950  | 0.381  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276 | 33089  | 0.360  | ng | 99   |

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

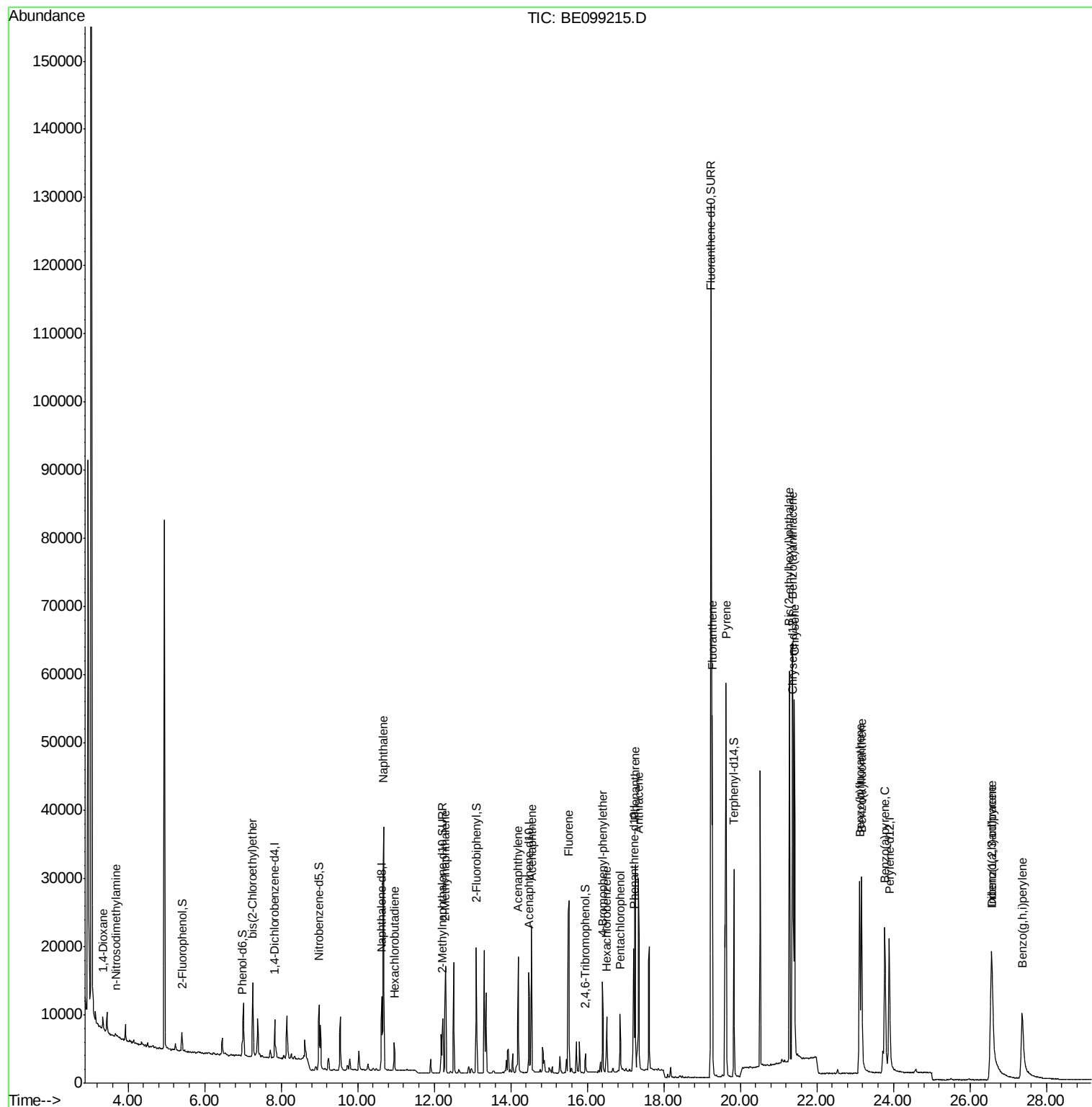
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
Data File : BE099215.D  
Acq On : 26 Mar 2019 14:59  
Operator : JU/SJ  
Sample : K2064-02MS  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

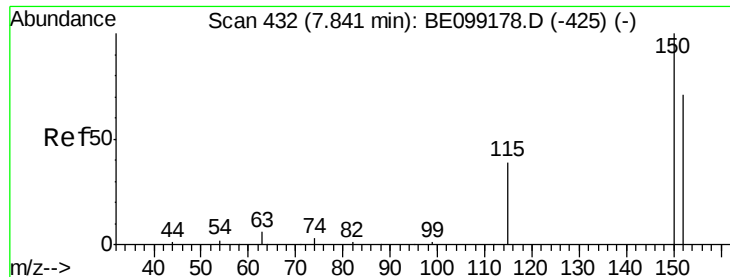
Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

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Quant Time: Mar 28 14:43:39 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration





#1

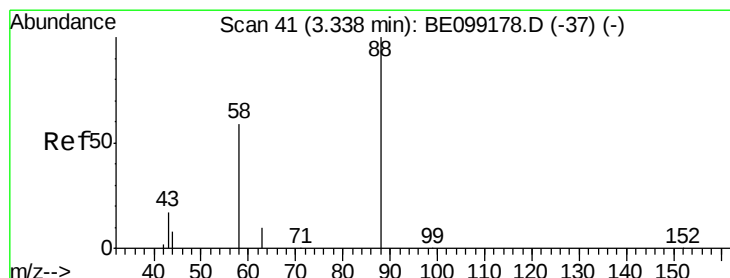
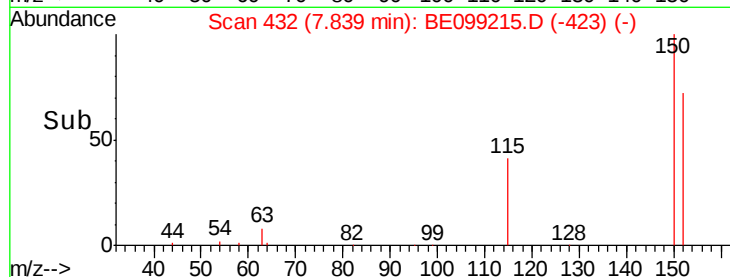
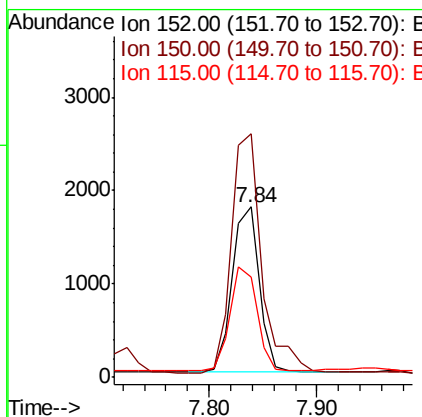
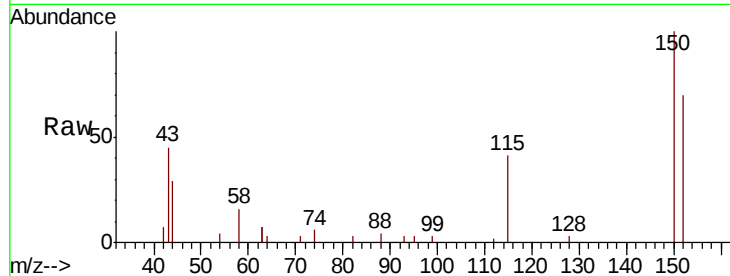
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.84 min Scan# 432  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 142.9 | 112.8 | 169.2 |
| 115     | 59.2  | 45.1  | 67.7  |

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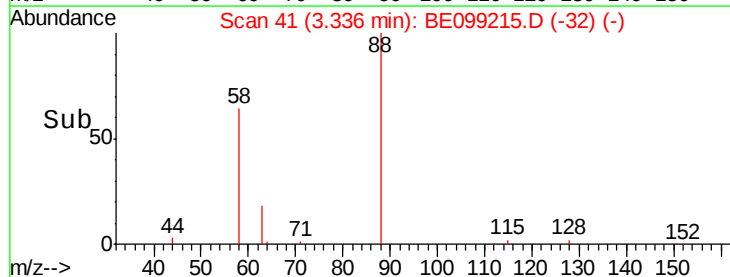
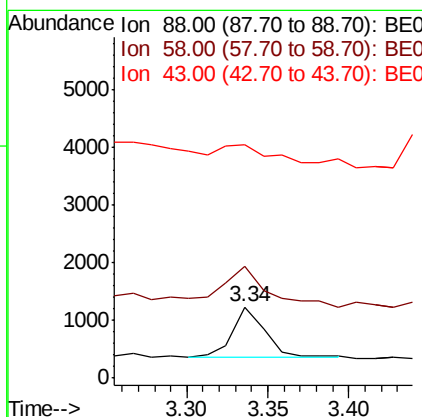
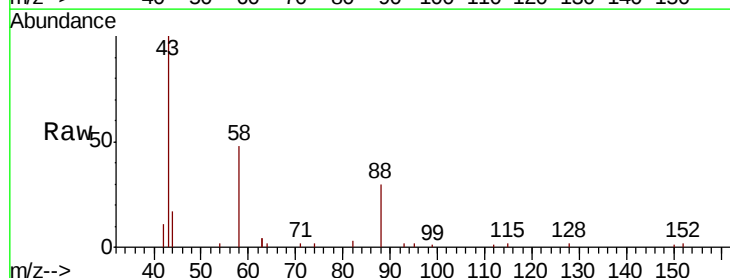
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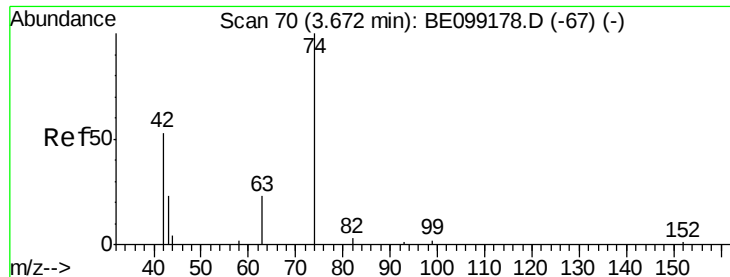


#2

1,4-Dioxane  
Concen: 0.302 ng  
RT: 3.34 min Scan# 41  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 109.0 | 47.4  | 71.0# |
| 43      | 45.6  | 15.6  | 23.4# |





#3

n-Nitrosodimethylamine

Concen: 0.178 ng

RT: 3.68 min Scan# 71

Delta R.T. 0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

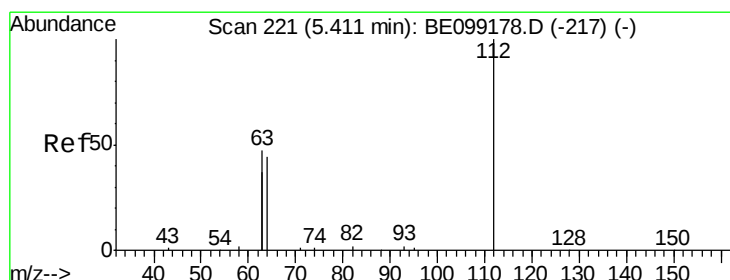
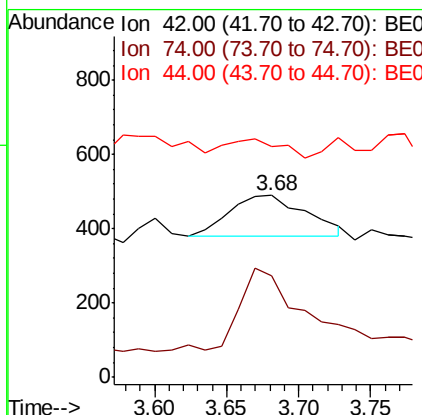
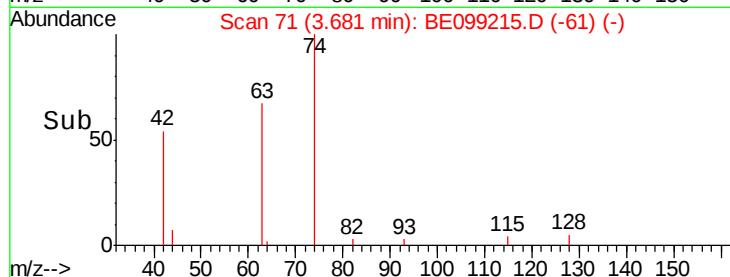
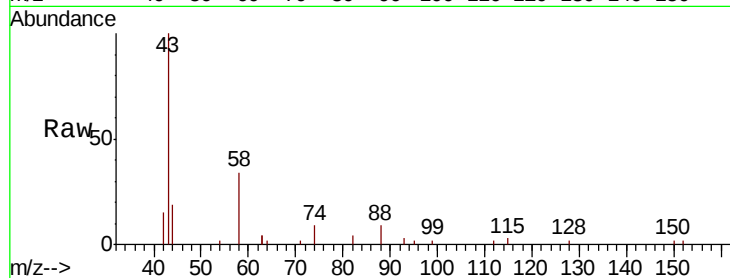
ClientSampleId :

P002-TW001-01MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 403   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 166.0 | 138.6 | 207.8 |
| 44       | 34.0  | 15.0  | 22.6# |

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#4

2-Fluorophenol

Concen: 0.200 ng

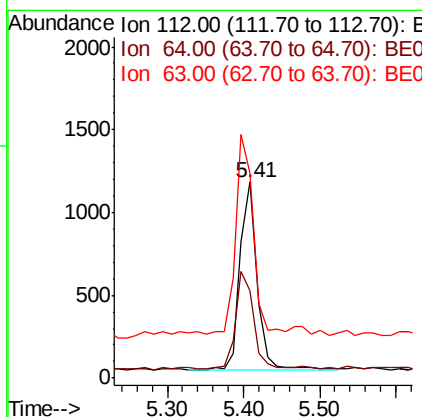
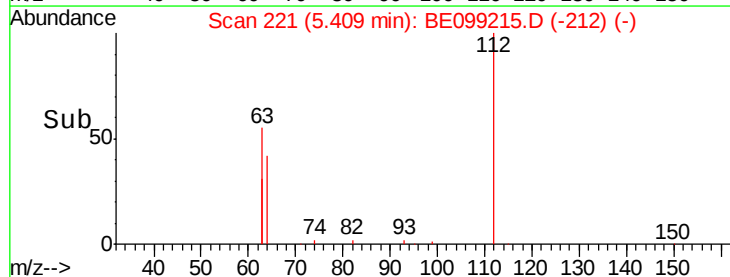
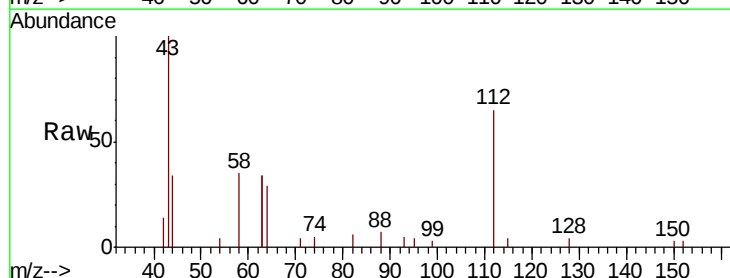
RT: 5.41 min Scan# 221

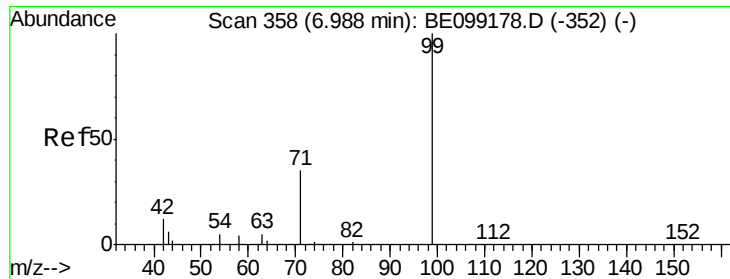
Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 1832  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 52.9  | 46.2  | 69.2  |
| 63       | 105.8 | 89.9  | 134.9 |





#5

Phenol-d6

Concen: 0.110 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

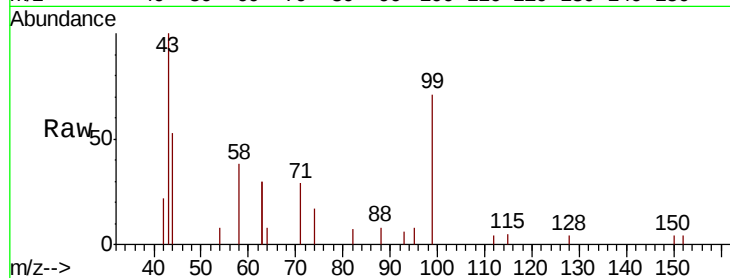
ClientSampleId :

P002-TW001-01MS

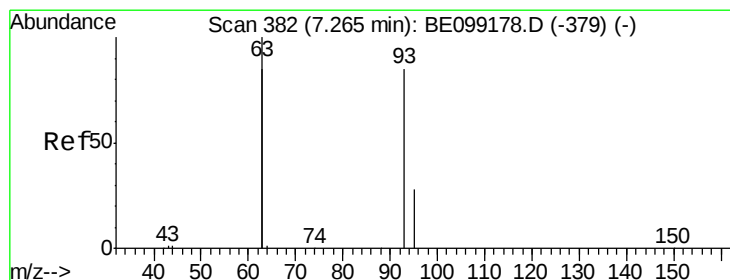
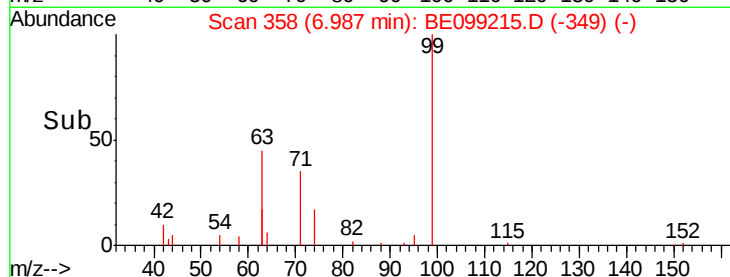
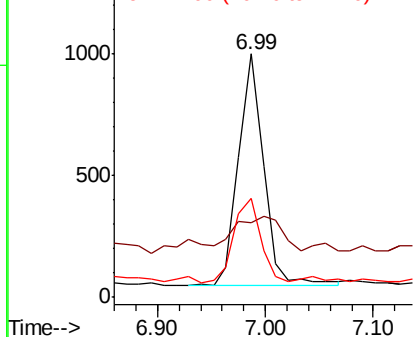
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1534  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 27.2  | 12.4  | 18.6# |
| 71       | 38.9  | 28.4  | 42.6  |

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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: 0.383 ng

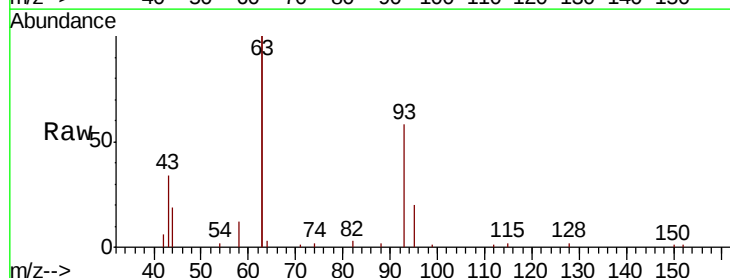
RT: 7.25 min Scan# 381

Delta R.T. -0.01 min

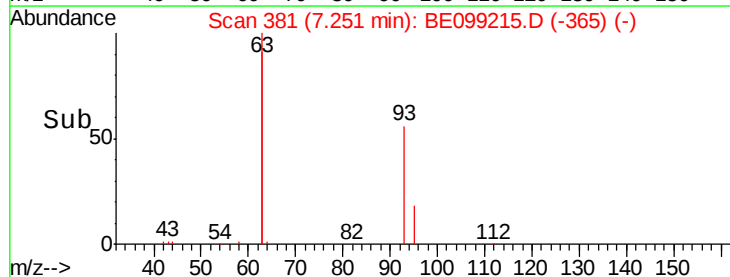
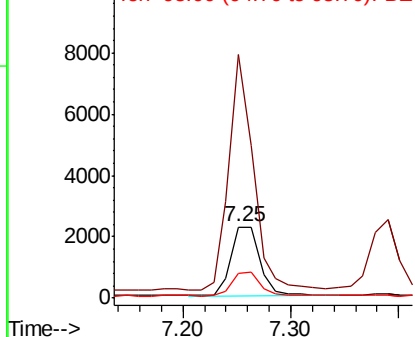
Lab File: BE099215.D

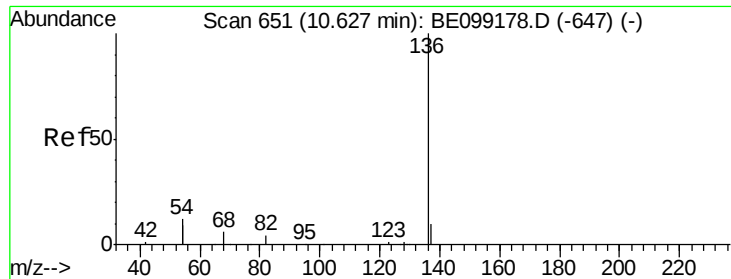
Acq: 26 Mar 2019 14:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4213  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 284.2 | 221.4 | 332.0 |
| 95       | 33.3  | 25.8  | 38.8  |



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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

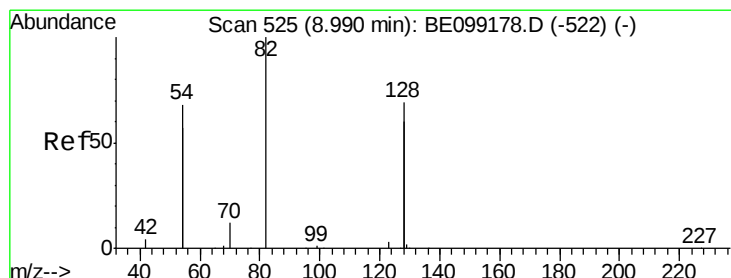
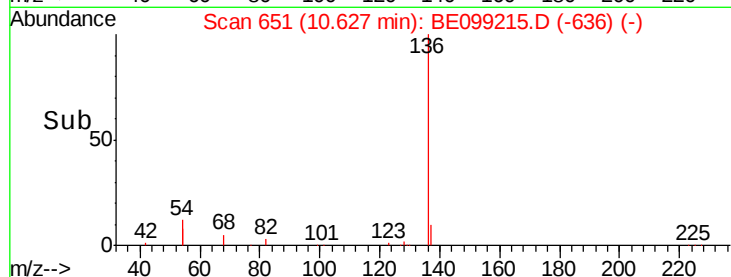
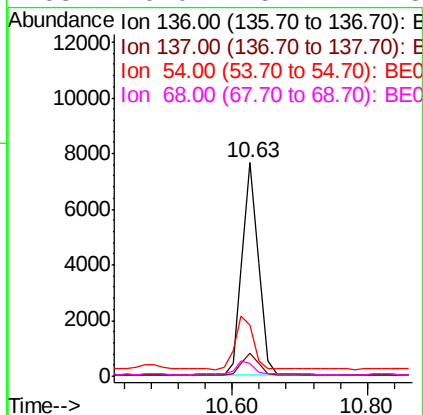
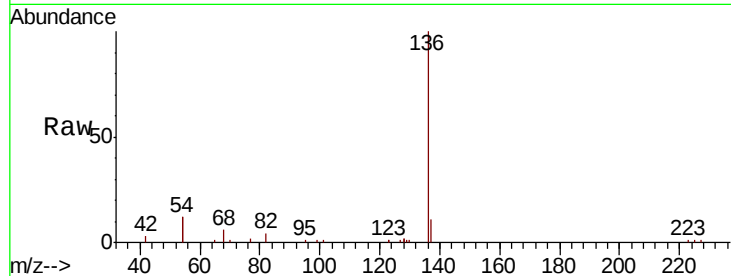
ClientSampleId :

P002-TW001-01MS

| Tot Ion   | 136   | Resp  | 12878 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.9  | 8.7   | 13.1  |
| 54        | 23.8  | 18.7  | 28.1  |
| 68        | 6.0   | 5.2   | 7.8   |

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#8

Nitrobenzene-d5

Concen: 0.412 ng

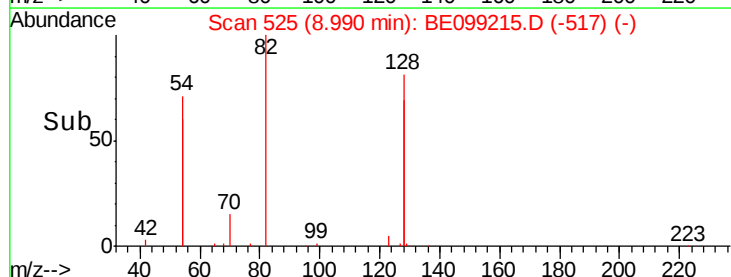
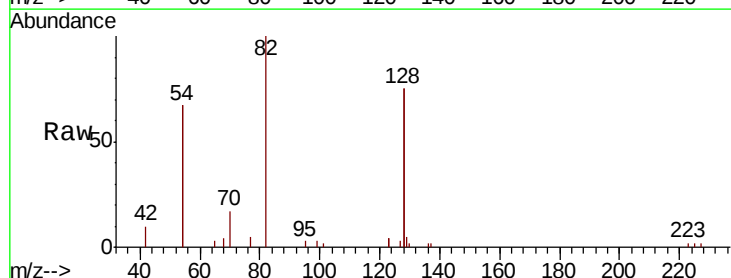
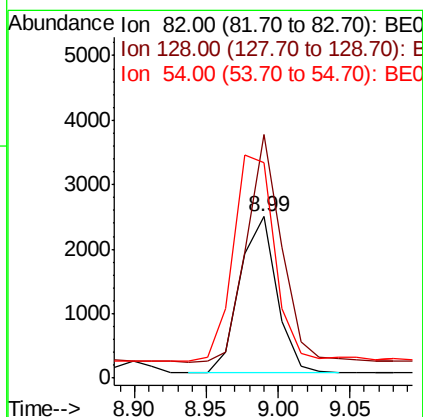
RT: 8.99 min Scan# 525

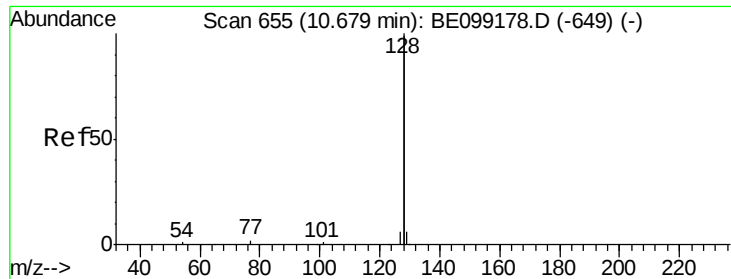
Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

| Tgt Ion   | 82    | Resp  | 4334  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 151.0 | 107.5 | 161.3 |
| 54        | 133.6 | 106.3 | 159.5 |





#9

Naphthalene

Concen: 0.386 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

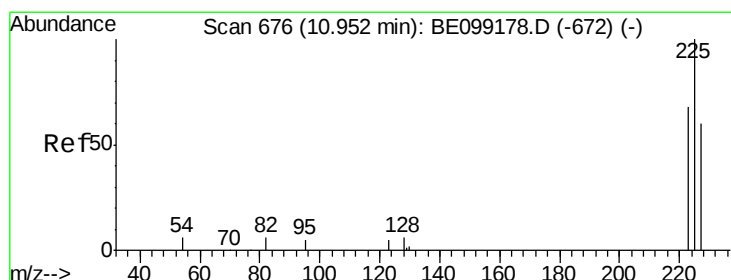
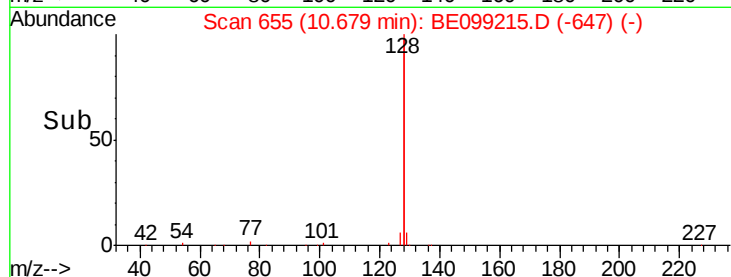
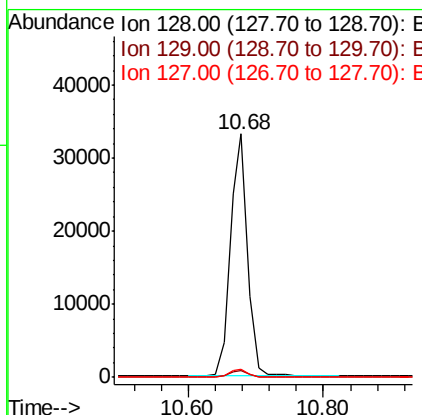
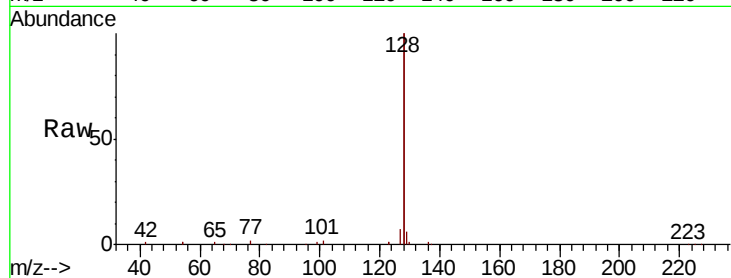
ClientSampleId :

P002-TW001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 58641 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.0   | 2.3   | 3.5   |
| 127       | 3.3   | 2.6   | 3.8   |

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#10

Hexachlorobutadiene

Concen: 0.360 ng

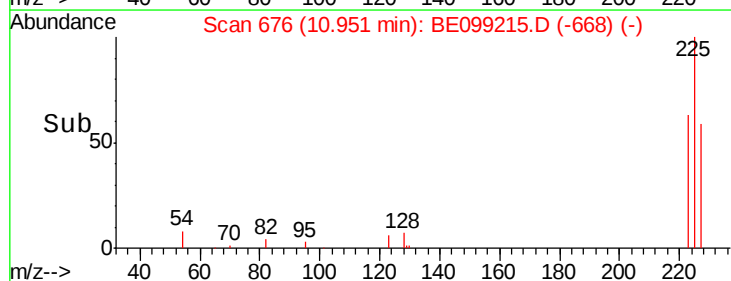
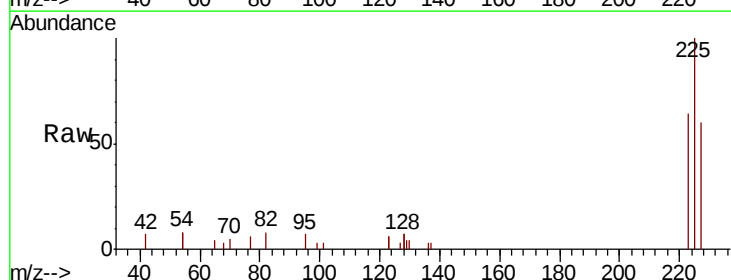
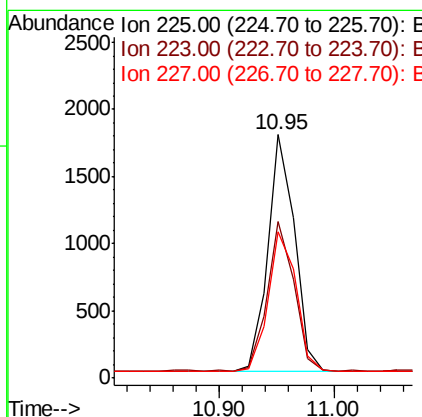
RT: 10.95 min Scan# 676

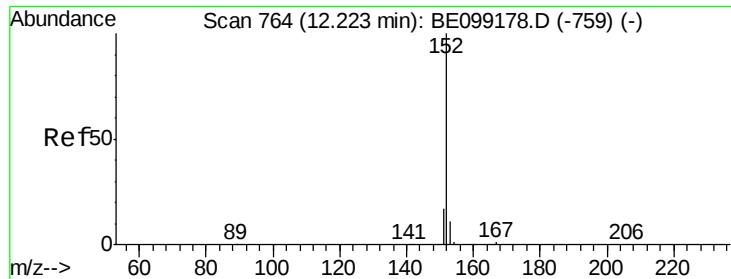
Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2911 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.1  | 51.3  | 76.9 |
| 227       | 61.4  | 48.6  | 73.0 |





#11

2-Methylnaphthalene-d10

Concen: 0.408 ng m

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

ClientSampleId :

P002-TW001-01MS

Tot Ion:152 Resp: 10131

Ion Ratio Lower Upper

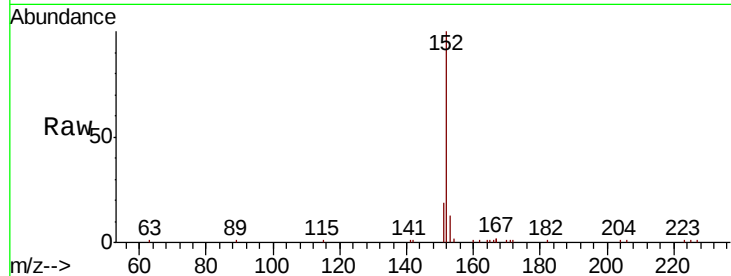
152 100

151 19.1 15.0 22.6

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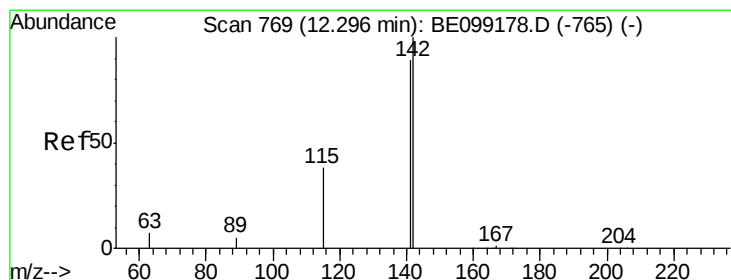
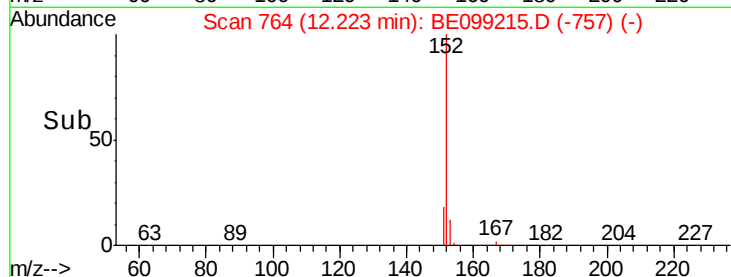
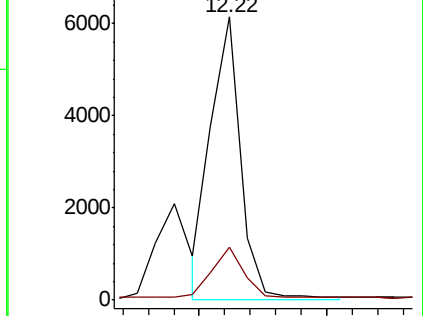
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.396 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

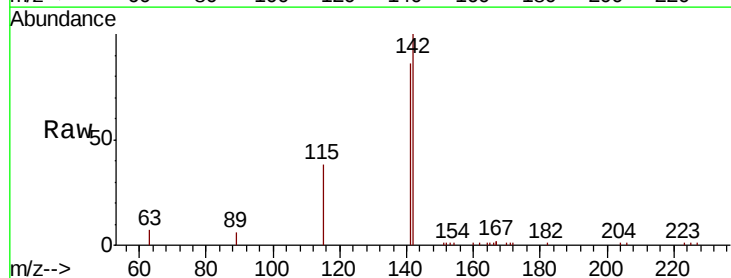
Tgt Ion:142 Resp: 10741

Ion Ratio Lower Upper

142 100

141 86.1 71.3 106.9

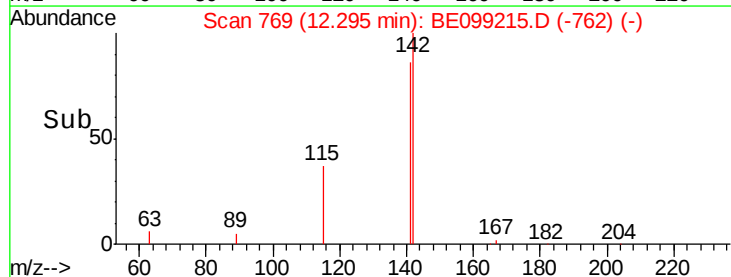
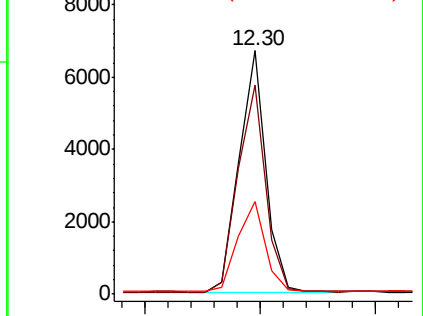
115 38.1 30.4 45.6

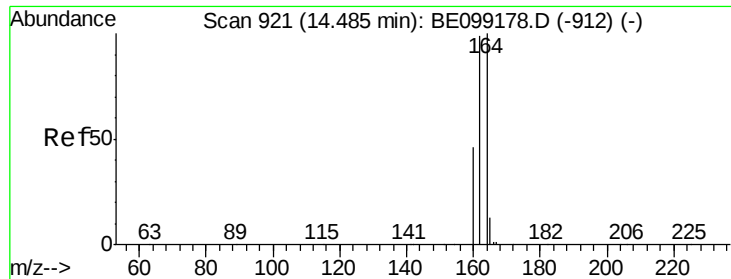


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





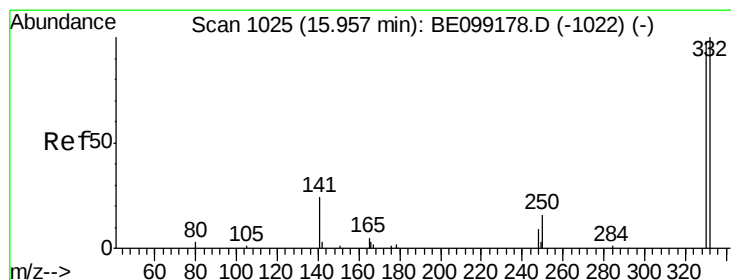
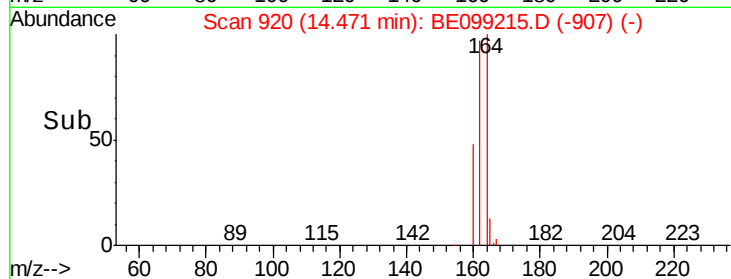
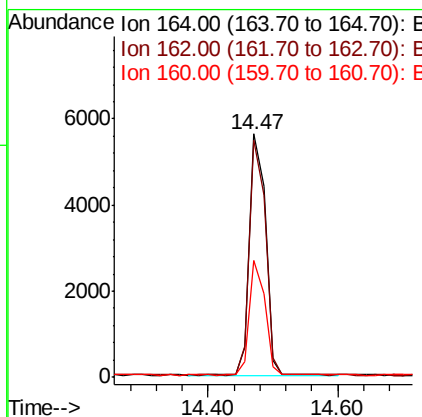
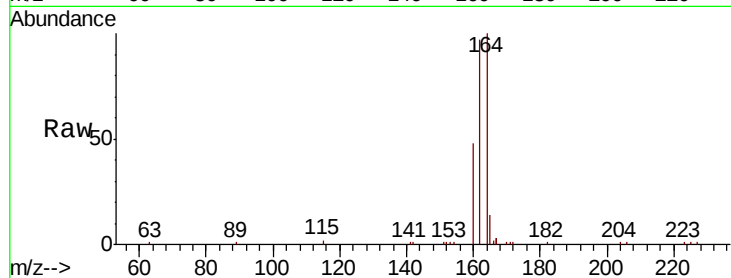
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.4  | 79.2  | 118.8 |
| 160     | 48.1  | 36.7  | 55.1  |

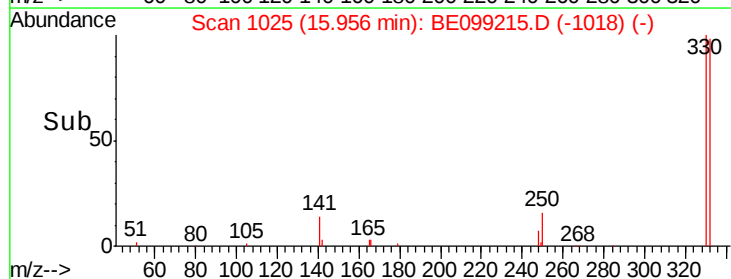
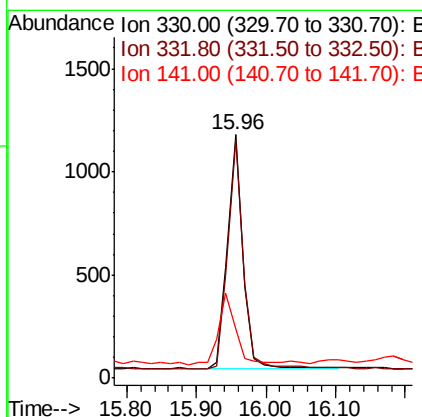
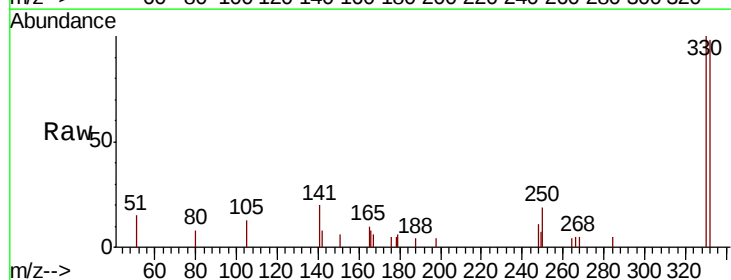
Manual Integrations  
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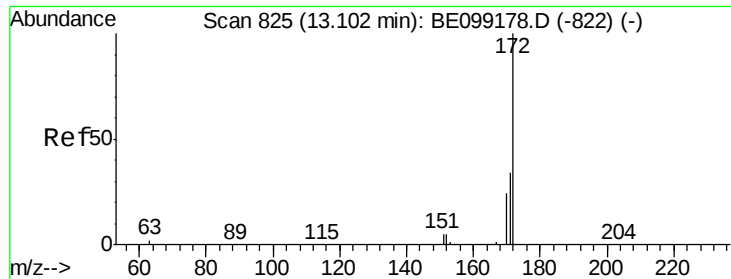
Sohil  
3/28/2019 5:11:27 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.554 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.9  | 71.3  | 106.9 |
| 141     | 33.9  | 21.7  | 32.5# |





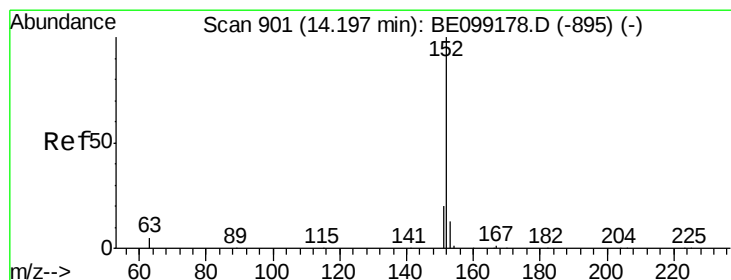
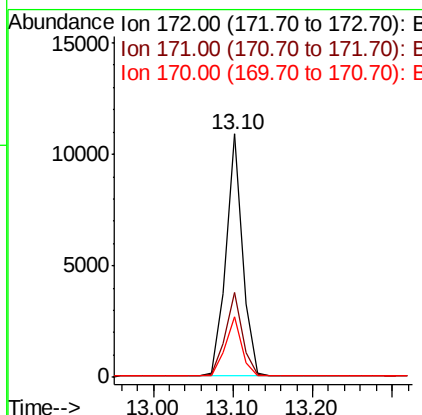
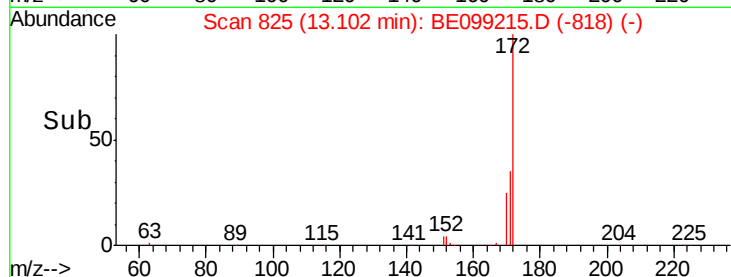
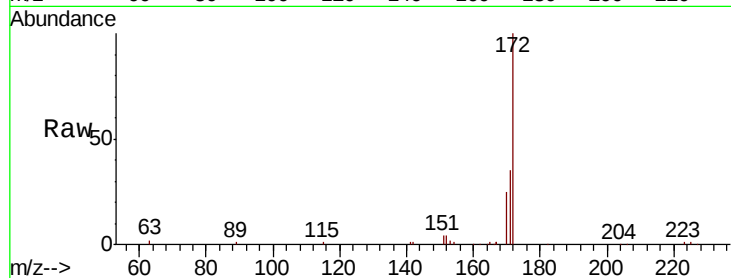
#15  
2-Fluorobiphenyl  
Concen: 0.405 ng  
RT: 13.10 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 27.4  | 41.0  |
| 170     | 25.0  | 19.1  | 28.7  |

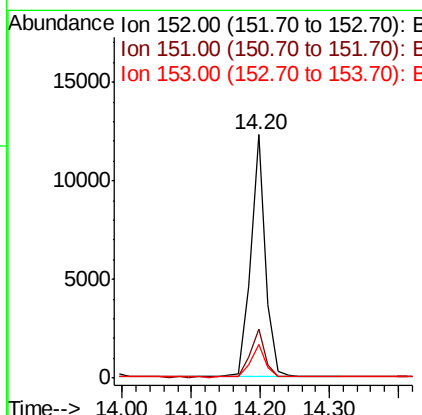
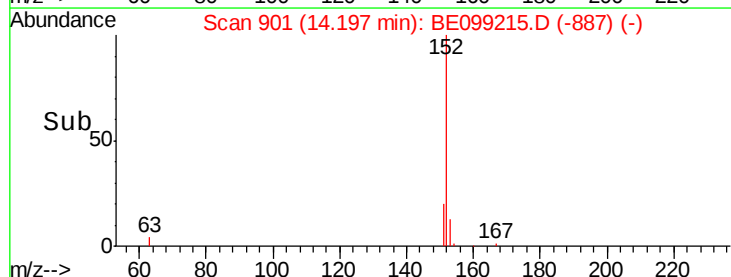
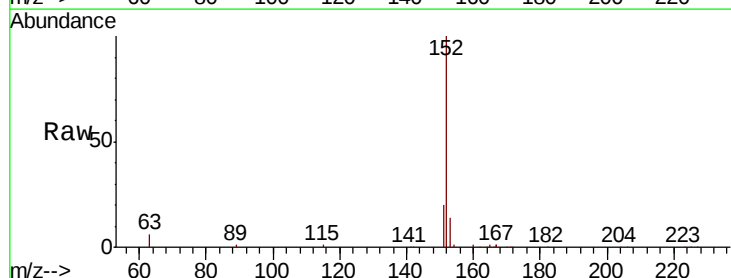
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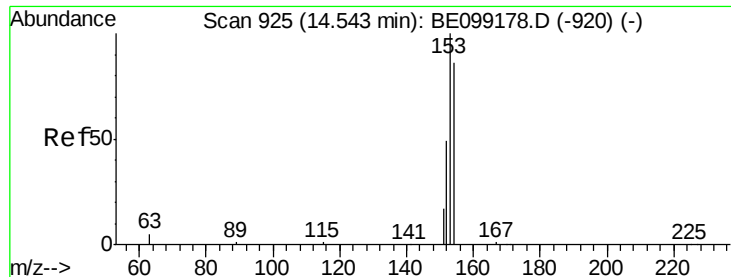
Sohil  
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#16  
Acenaphthylene  
Concen: 0.381 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.2  | 15.7  | 23.5  |
| 153     | 13.5  | 10.6  | 15.8  |





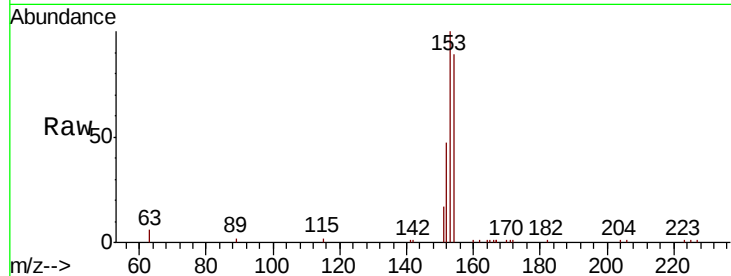
#17  
Acenaphthene  
Concen: 0.396 ng  
RT: 14.54 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 117.2 | 93.4  | 140.0 |
| 152     | 57.7  | 46.6  | 69.8  |

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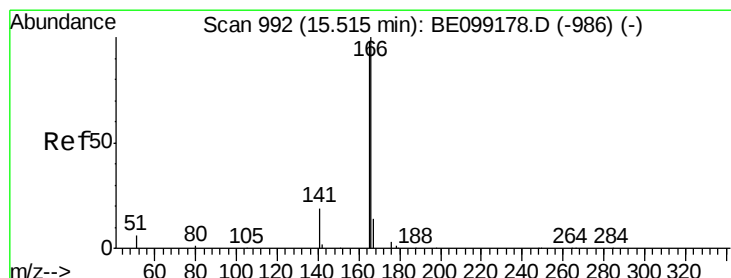
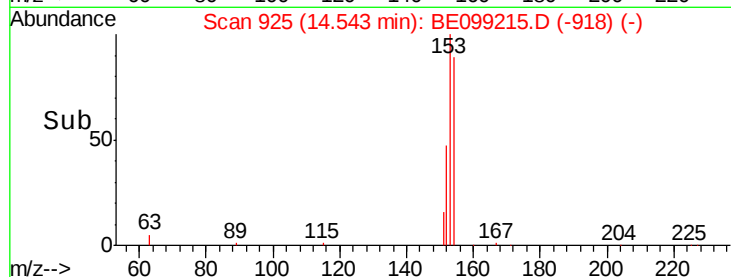
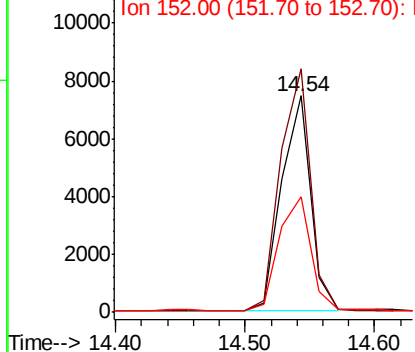


Abundance

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: 0.421 ng  
RT: 15.51 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

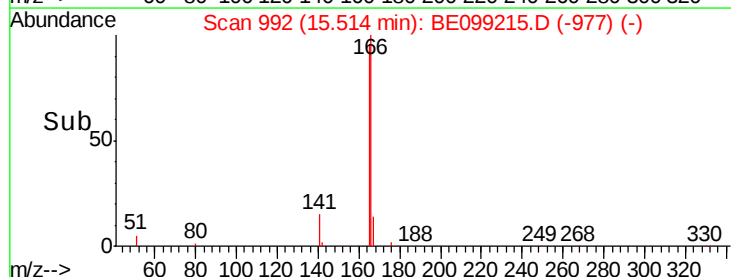
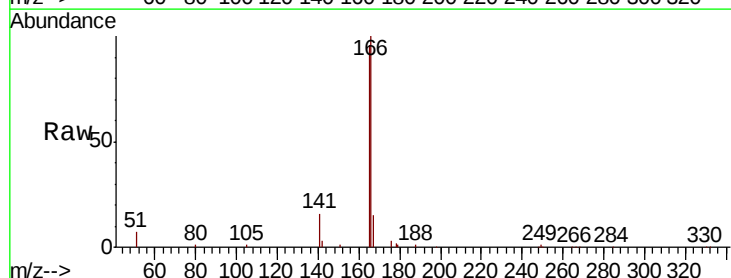
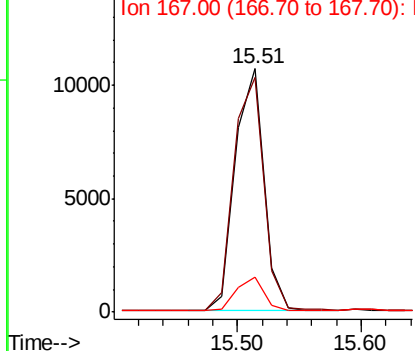
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.2 | 78.9  | 118.3 |
| 167     | 13.5  | 10.9  | 16.3  |

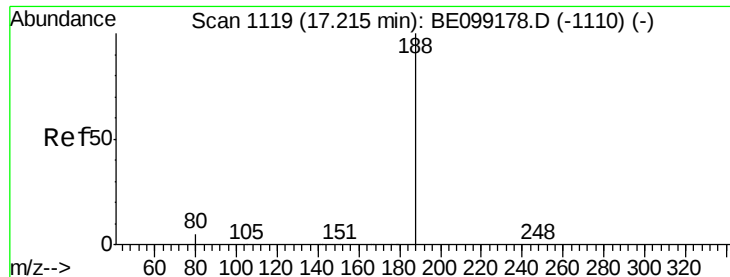
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

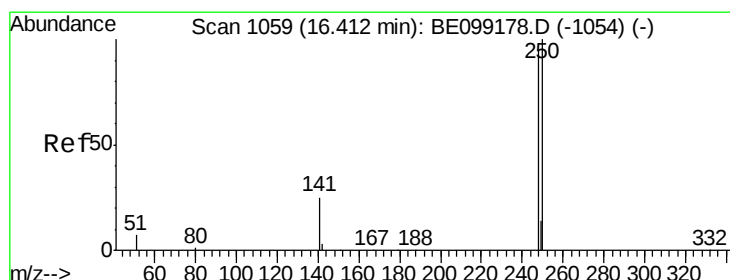
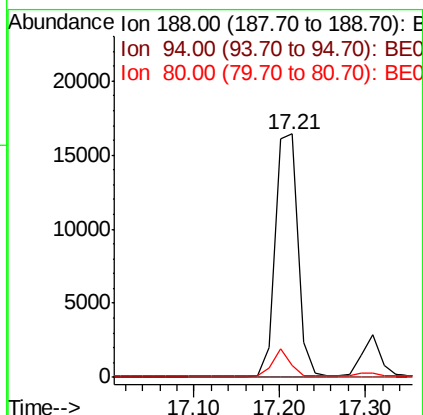
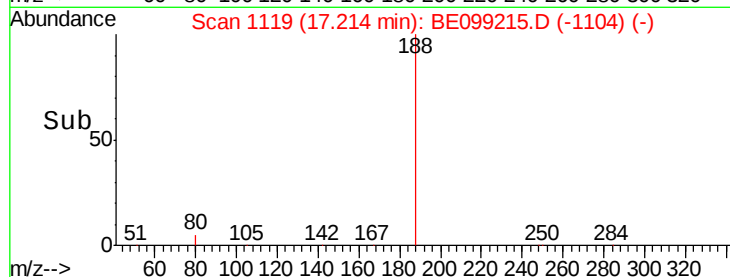
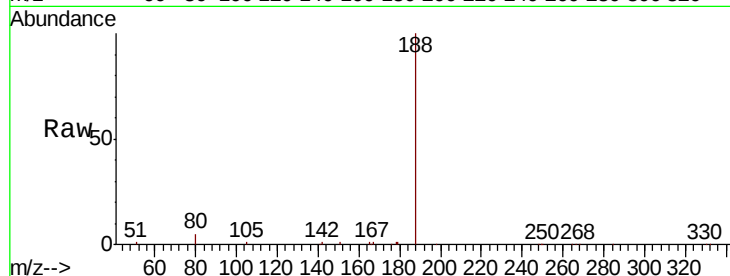
ClientSampleId :

P002-TW001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 29785 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 5.1   | 4.5   | 6.7   |

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#20

4-Bromophenyl-phenylether

Concen: 0.349 ng

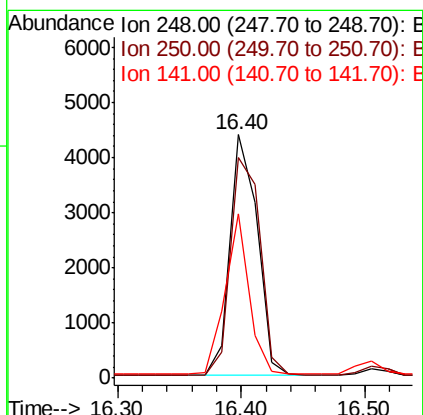
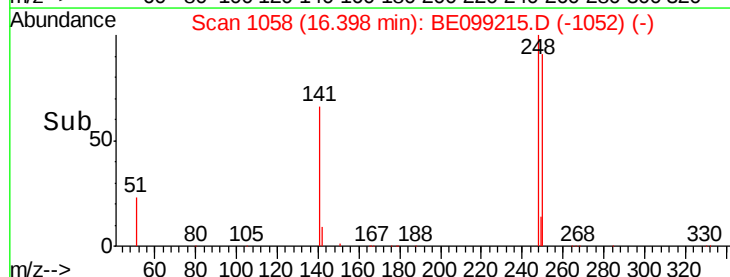
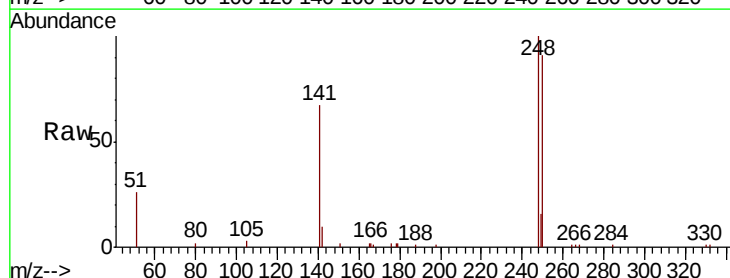
RT: 16.40 min Scan# 1058

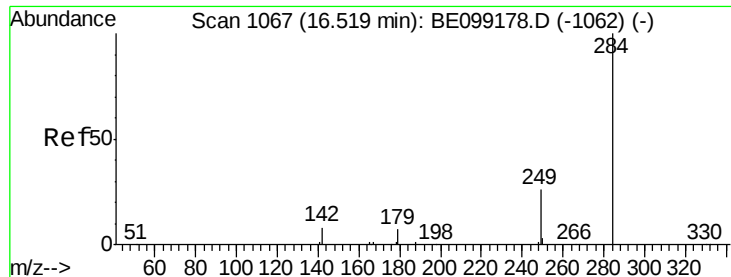
Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 6704  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 90.6  | 84.2  | 126.2 |
| 141       | 67.4  | 21.8  | 32.6# |





#21

Hexachlorobenzene

Concen: 0.351 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

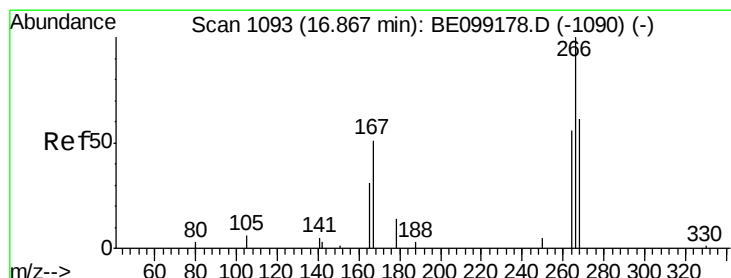
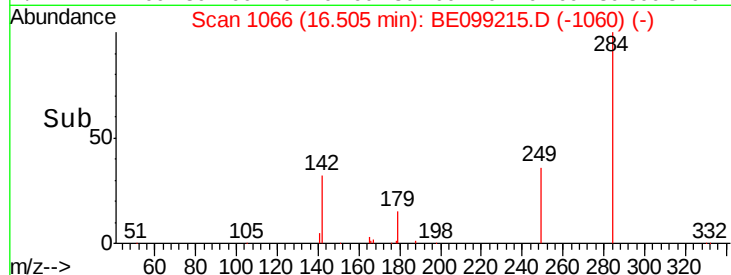
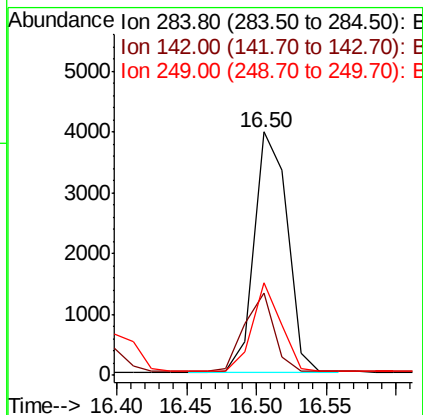
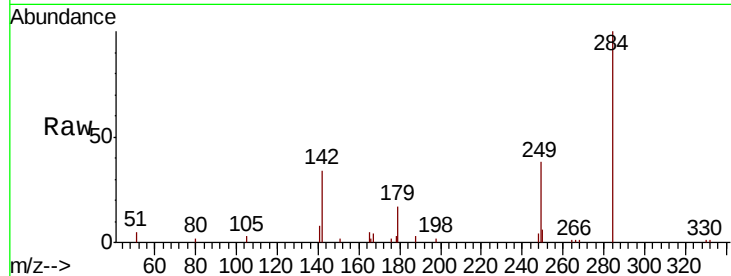
ClientSampleId :

P002-TW001-01MS

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 6510 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 29.1  | 22.7  | 34.1 |
| 249       | 32.5  | 26.9  | 40.3 |

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#22

Pentachlorophenol

Concen: 1.676 ng

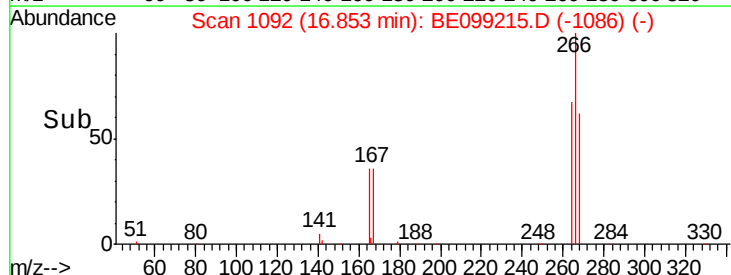
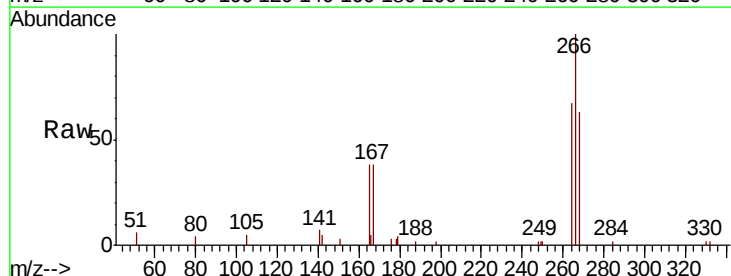
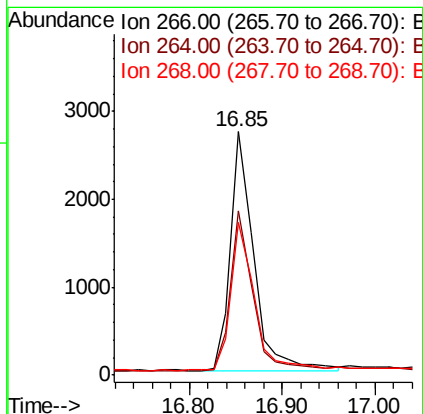
RT: 16.85 min Scan# 1092

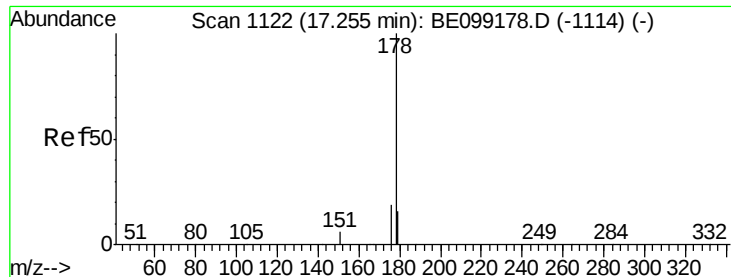
Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 4716 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 67.4  | 54.4  | 81.6 |
| 268       | 62.9  | 61.3  | 91.9 |





#23

Phenanthrene

Concen: 0.401 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

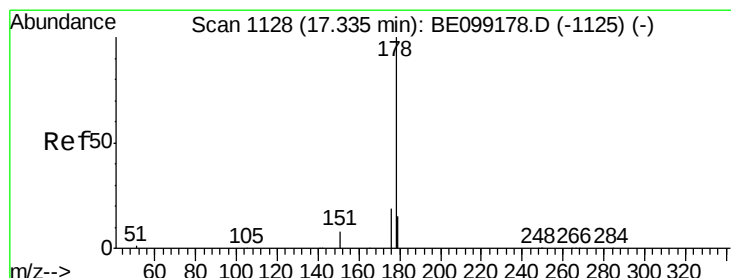
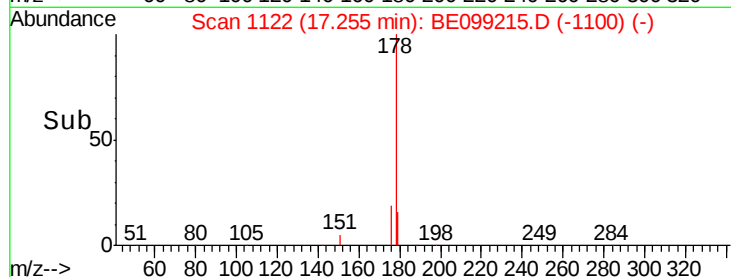
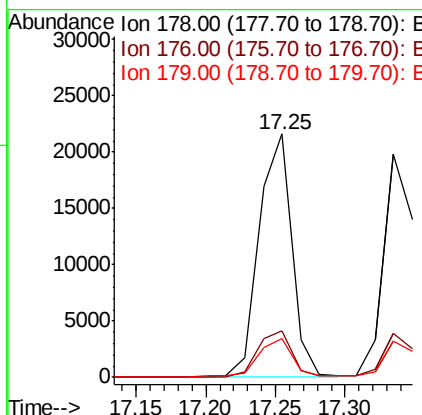
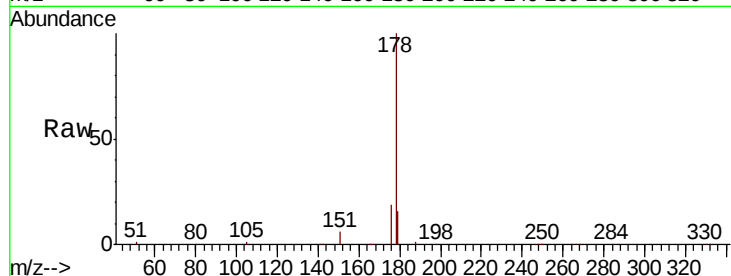
ClientSampleId :

P002-TW001-01MS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 35083     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.4  | 15.4 23.2 |
| 179         | 15.7  | 12.3 18.5 |

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#24

Anthracene

Concen: 0.397 ng

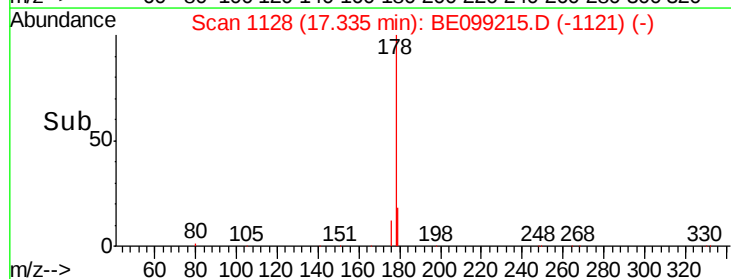
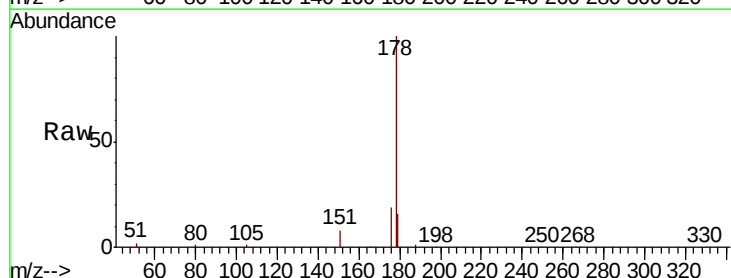
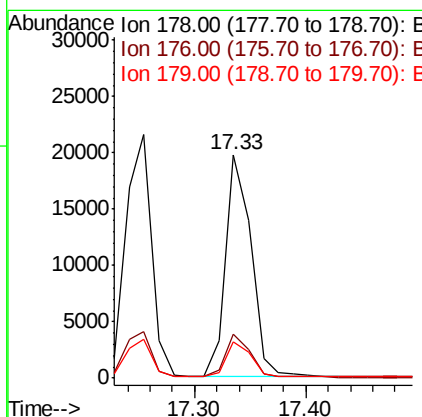
RT: 17.33 min Scan# 1128

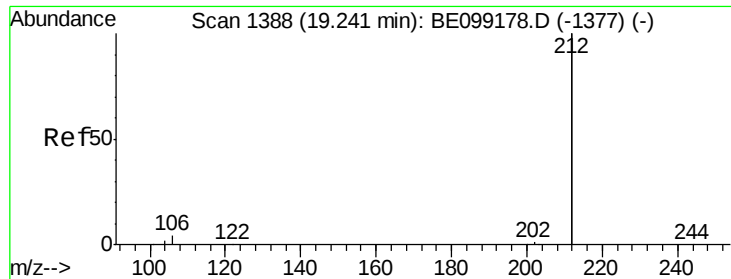
Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 31412     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.6  | 15.1 22.7 |
| 179         | 15.8  | 12.4 18.6 |





#25

Fluoranthene-d10

Concen: 0.447 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

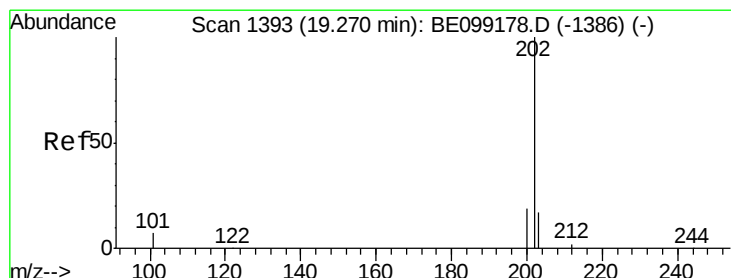
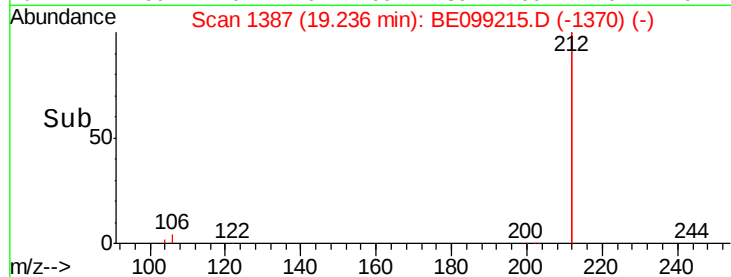
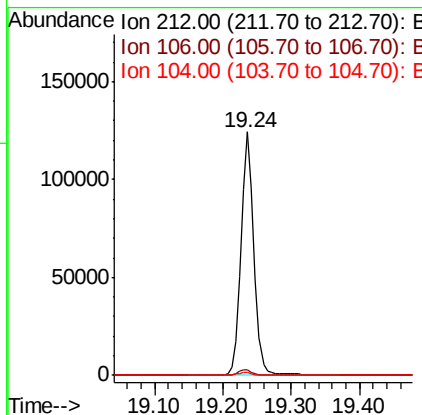
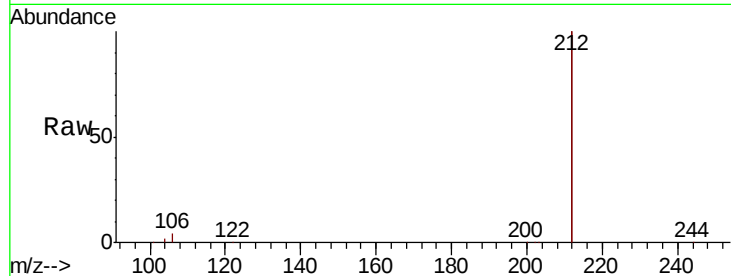
ClientSampleId :

P002-TW001-01MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 212     | 100   | 161276 |       |       |
| 106     | 2.4   |        | 1.8   | 2.8   |
| 104     | 1.3   |        | 1.1   | 1.7   |

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#26

Fluoranthene

Concen: 0.412 ng

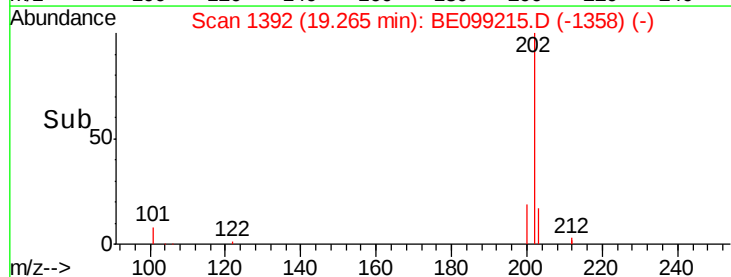
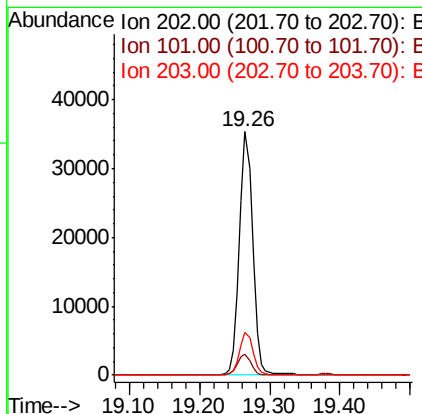
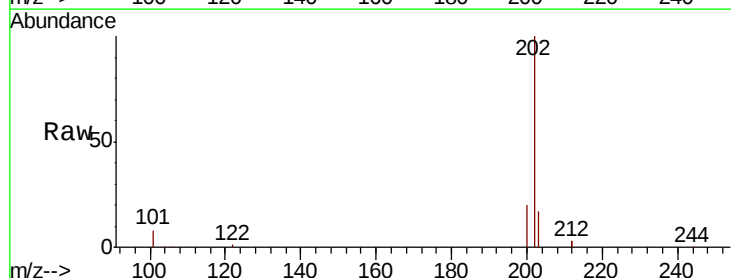
RT: 19.26 min Scan# 1392

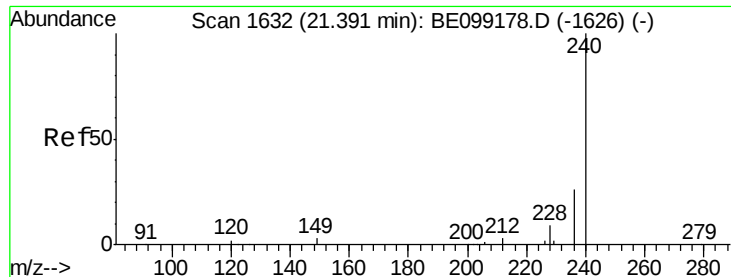
Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 46017 |       |       |
| 101     | 8.3   |       | 7.0   | 10.4  |
| 203     | 16.8  |       | 13.8  | 20.6  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

ClientSampleId :

P002-TW001-01MS

Tot Ion:240 Resp: 35323

Ion Ratio Lower Upper

240 100

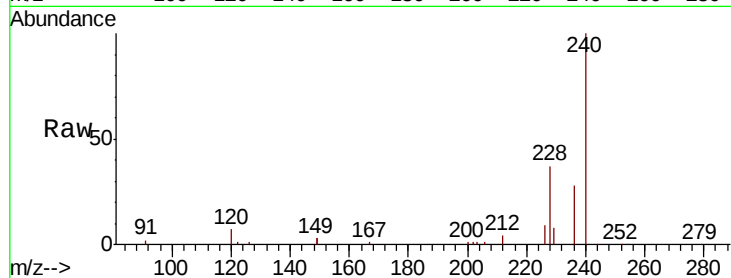
120 6.8 2.6 3.8#

236 27.7 20.9 31.3

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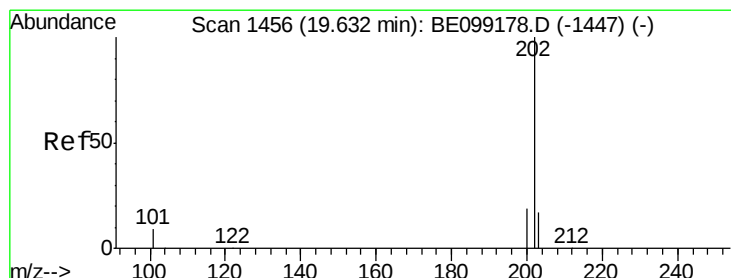
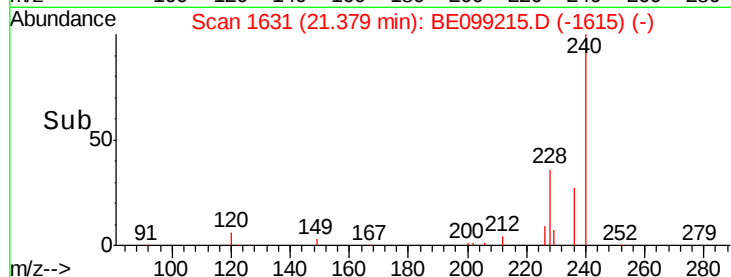
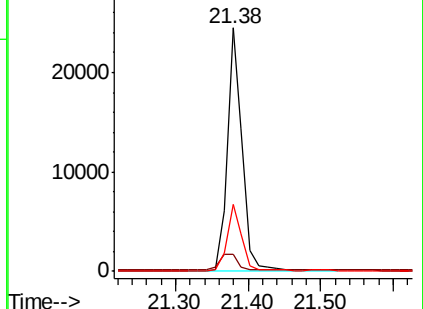
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.449 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

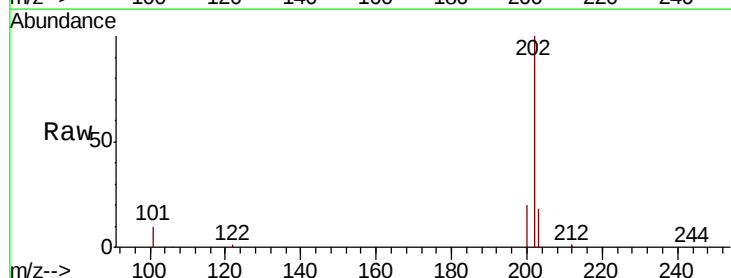
Tgt Ion:202 Resp: 52705

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

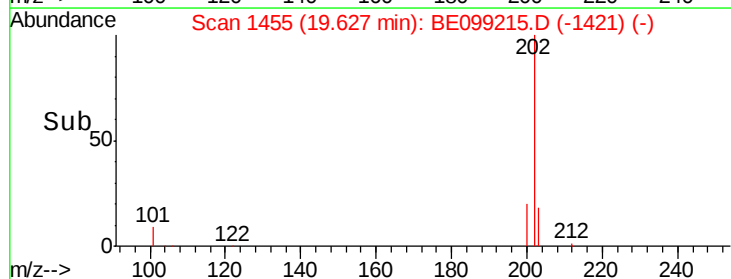
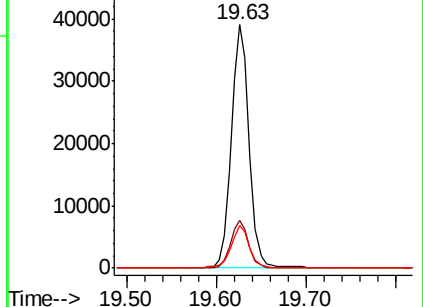
203 17.7 14.1 21.1

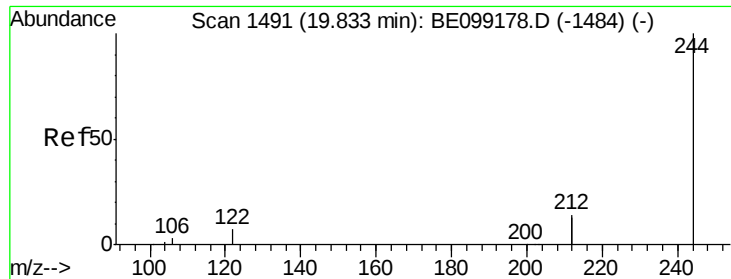


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





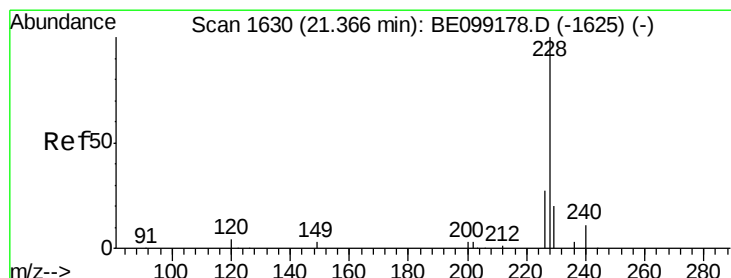
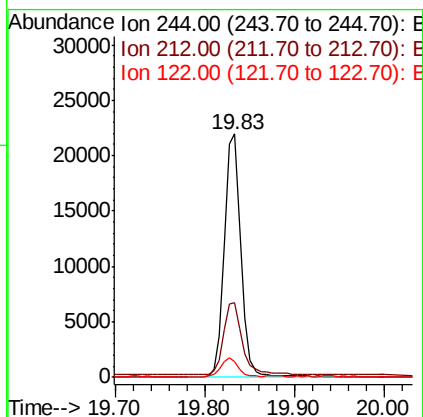
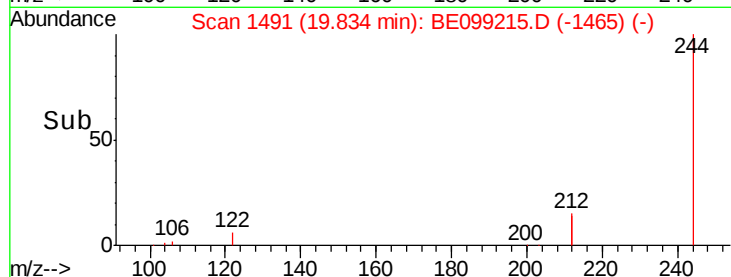
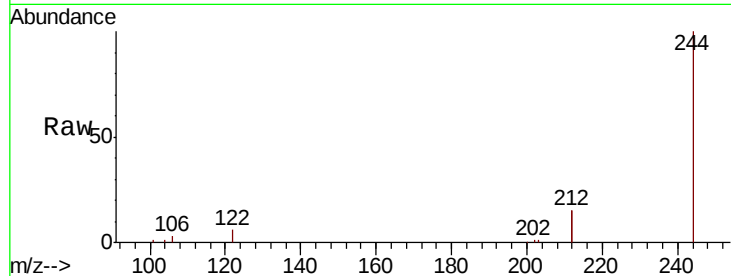
#29  
 Terphenyl-d14  
 Concen: 0.365 ng  
 RT: 19.83 min Scan# 1491  
 Delta R.T. 0.00 min  
 Lab File: BE099215.D  
 Acq: 26 Mar 2019 14:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 30.5  | 22.7  | 34.1  |
| 122     | 6.3   | 5.8   | 8.6   |

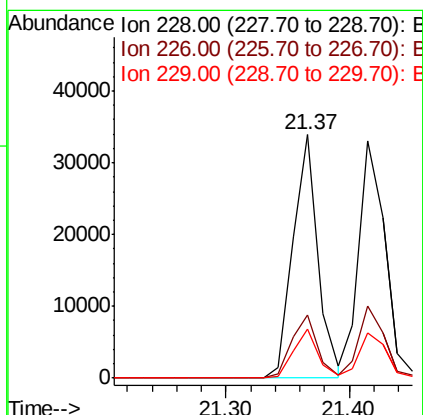
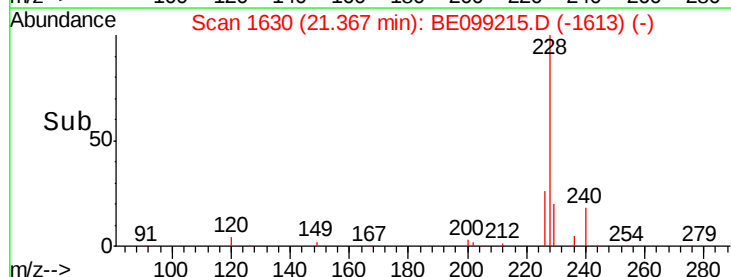
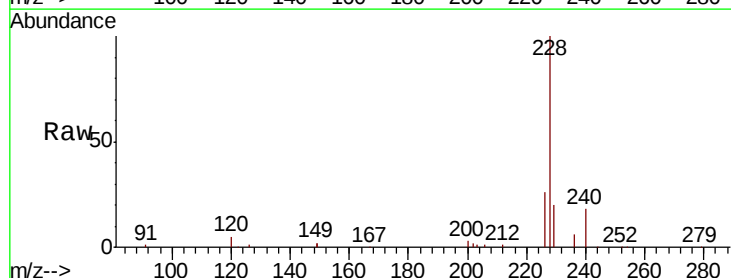
Manual Integrations  
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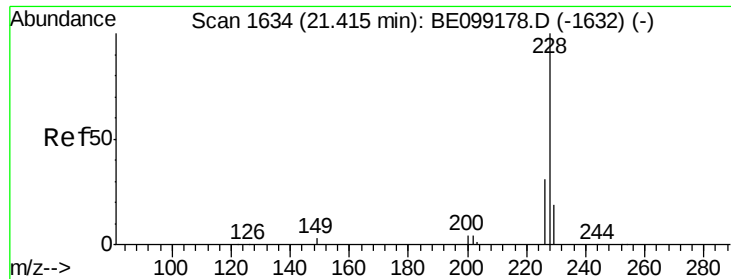
Sohil  
 3/28/2019 5:11:27 PM



#30  
 Benzo(a)anthracene  
 Concen: 0.407 ng  
 RT: 21.37 min Scan# 1630  
 Delta R.T. 0.00 min  
 Lab File: BE099215.D  
 Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 25.8  | 21.7  | 32.5  |
| 229     | 20.0  | 15.9  | 23.9  |





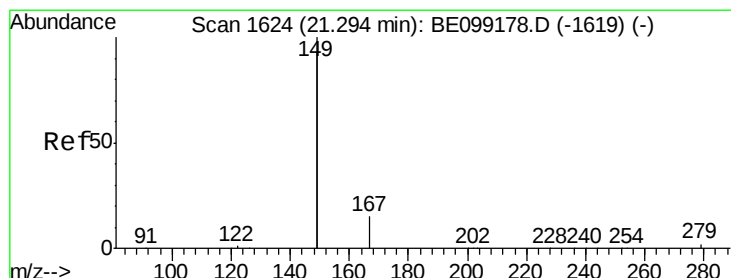
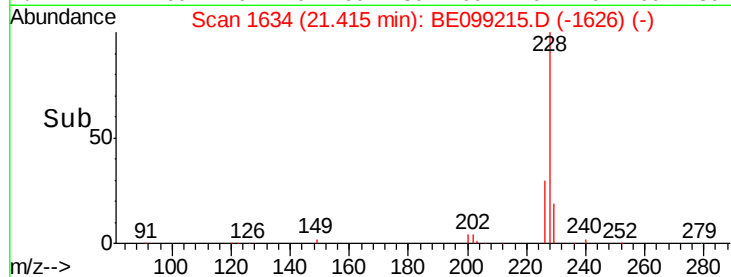
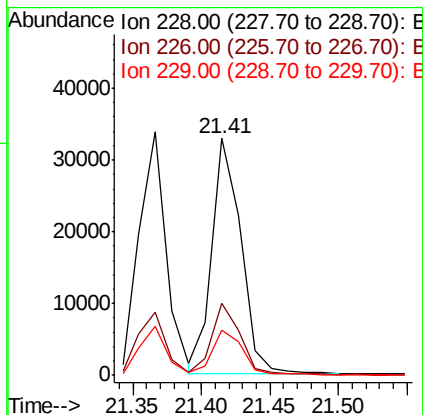
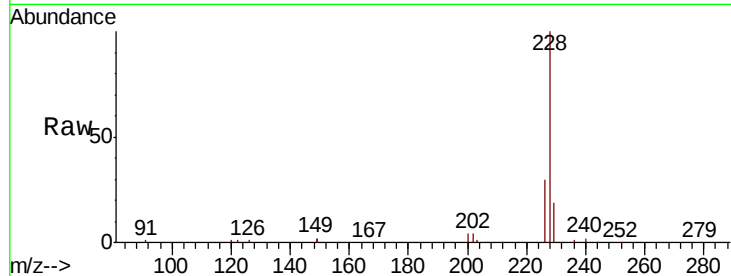
#31  
Chrysene  
Concen: 0.389 ng  
RT: 21.41 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.8  | 37.2  |
| 229     | 18.8  | 15.4  | 23.0  |

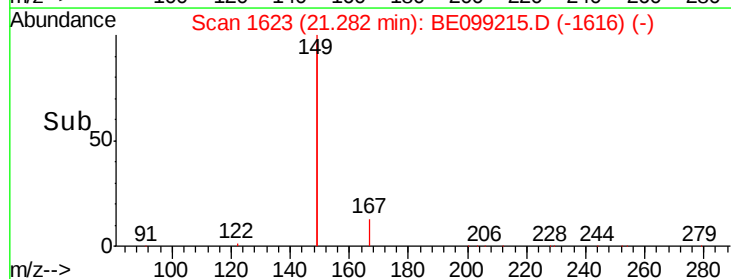
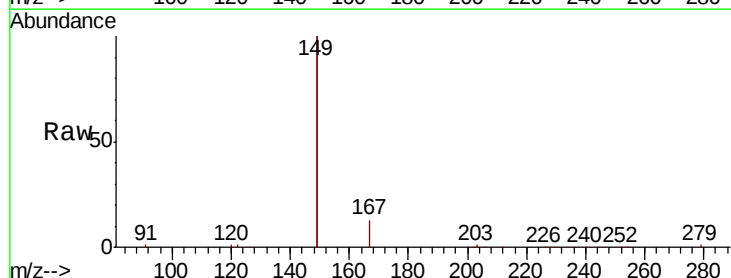
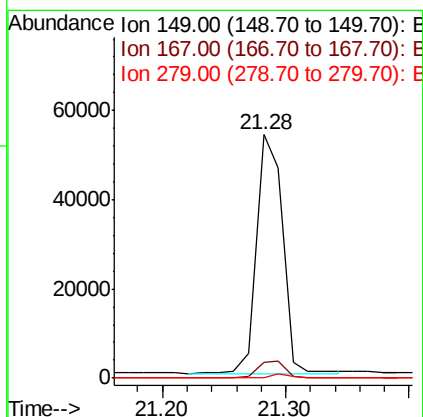
Manual Integrations  
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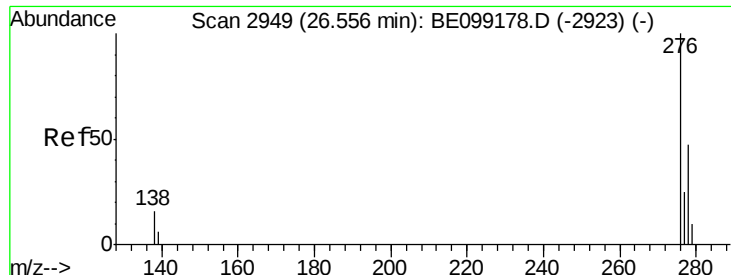
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.564 ng  
RT: 21.28 min Scan# 1623  
Delta R.T. -0.01 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.3   | 5.9   | 8.9   |
| 279     | 1.1   | 1.0   | 1.6   |





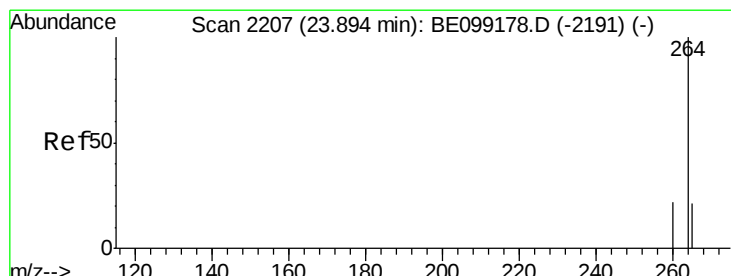
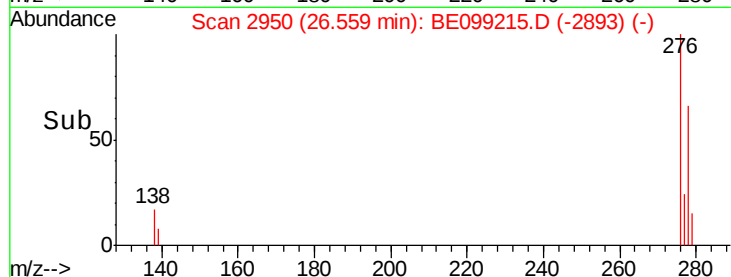
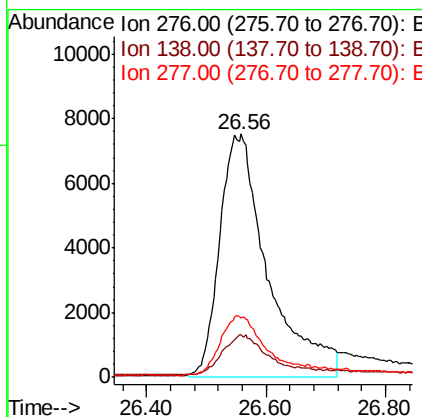
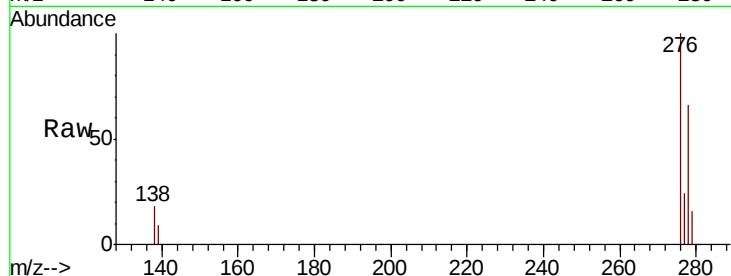
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.359 ng/ml  
RT: 26.56 min Scan# 2950  
Delta R.T. 0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 14.6  | 12.9  | 19.3  |
| 277     | 22.6  | 18.3  | 27.5  |

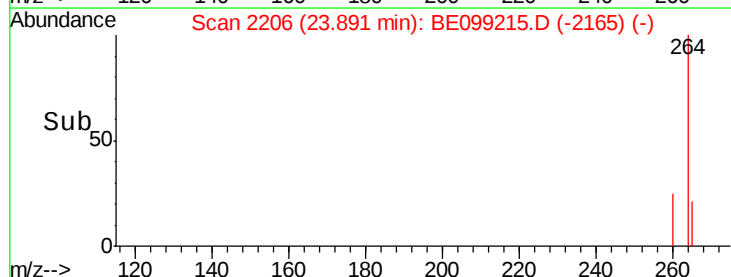
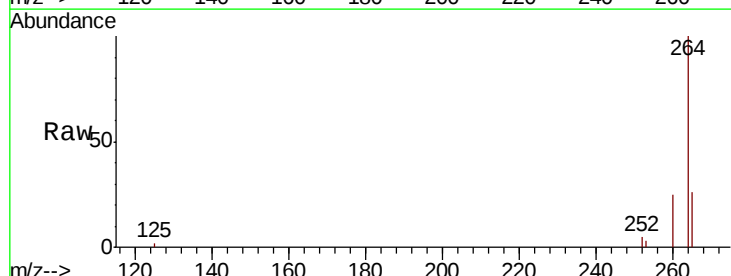
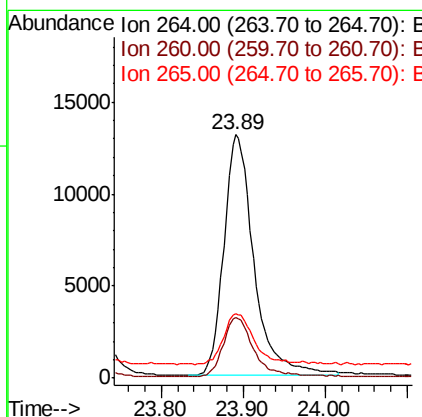
Manual Integrations  
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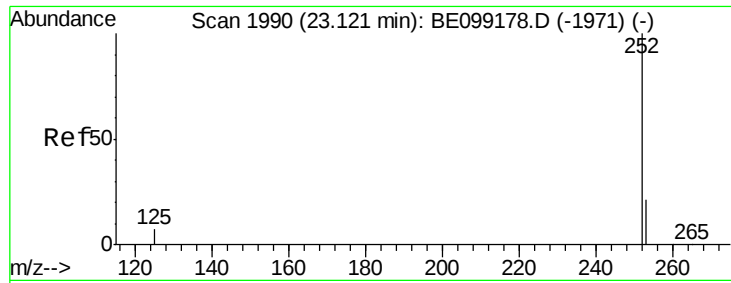
Sohil  
3/28/2019 5:11:27 PM



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.89 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 18.2  | 27.2  |
| 265     | 26.2  | 21.8  | 32.8  |





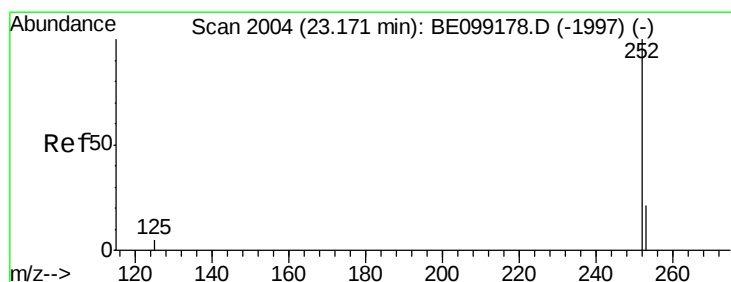
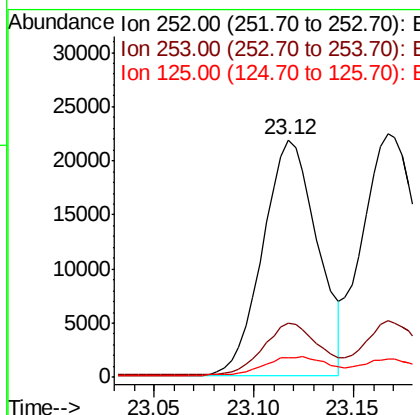
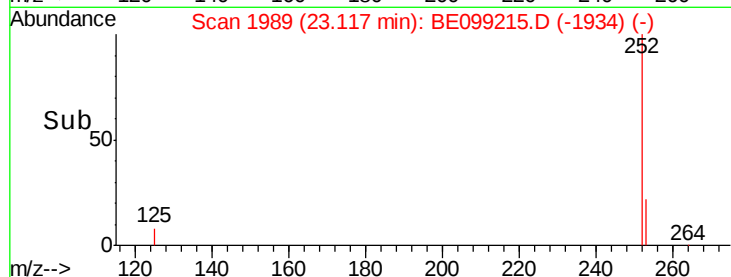
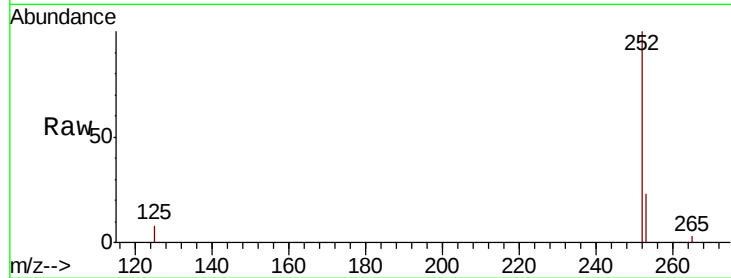
#35  
Benzo(b)fluoranthene  
Concen: 0.375 ng  
RT: 23.12 min Scan# 1989  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 17.8  | 26.8  |
| 125     | 8.4   | 6.1   | 9.1   |

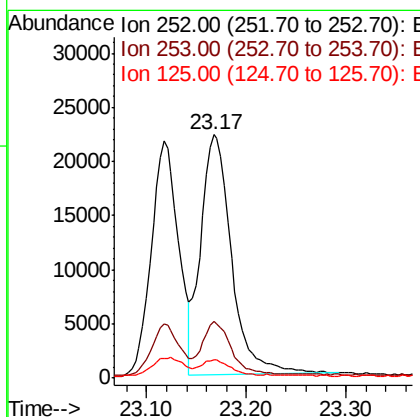
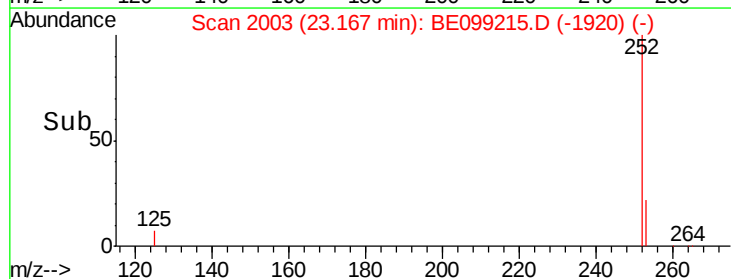
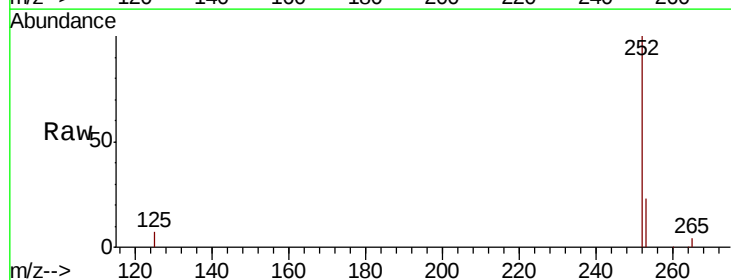
Manual Integrations  
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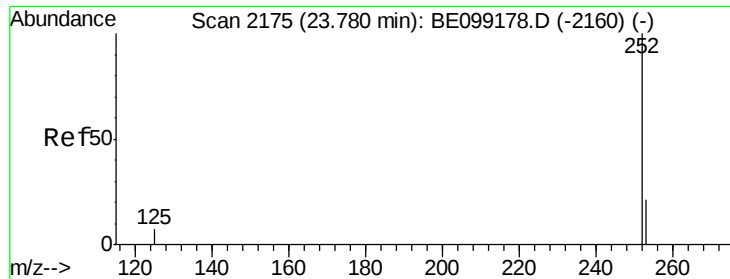
Sohil  
3/28/2019 5:11:27 PM



#36  
Benzo(k)fluoranthene  
Concen: 0.410 ng  
RT: 23.17 min Scan# 2003  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 17.8  | 26.6  |
| 125     | 7.3   | 5.9   | 8.9   |





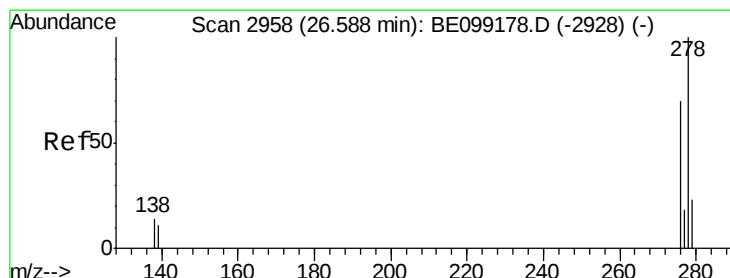
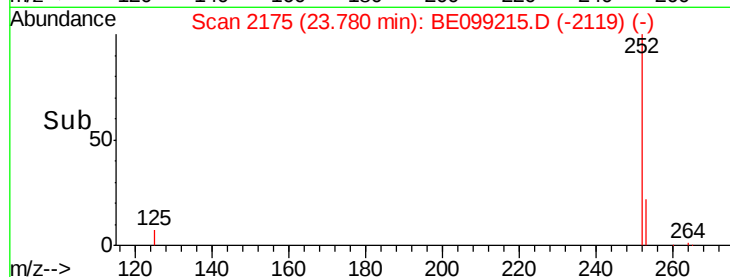
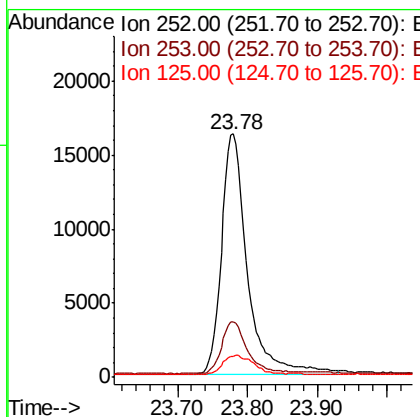
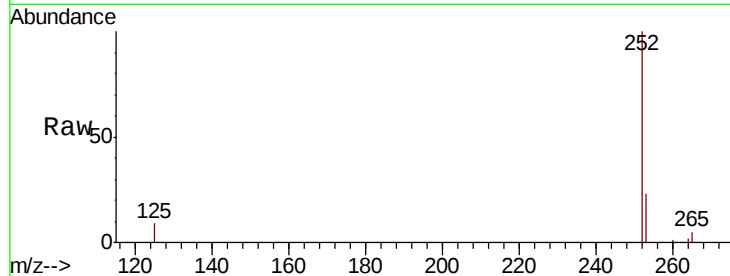
#37  
Benzo(a)pyrene  
Concen: 0.409 ng  
RT: 23.78 min Scan# 2175  
Delta R.T. -0.00 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

Instrument :  
BNA\_E  
ClientSampleId :  
P002-TW001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.1  | 27.1  |
| 125     | 8.5   | 6.8   | 10.2  |

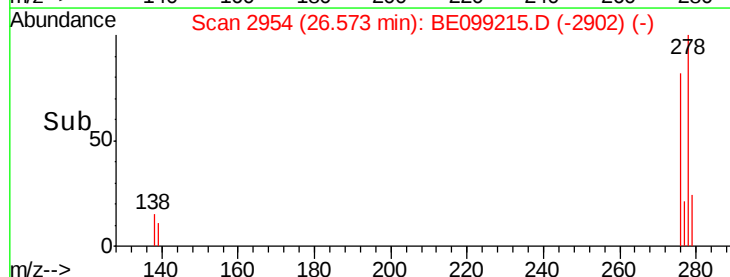
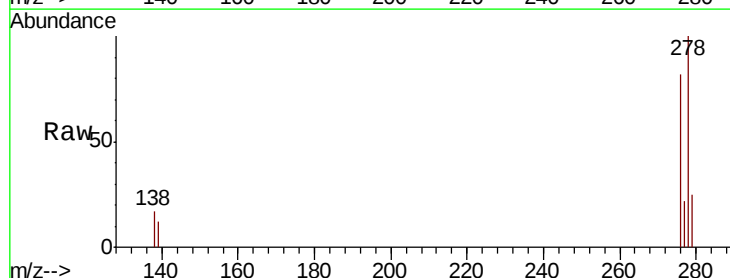
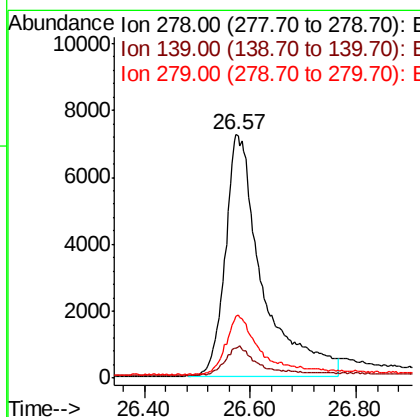
Manual Integrations  
APPROVED

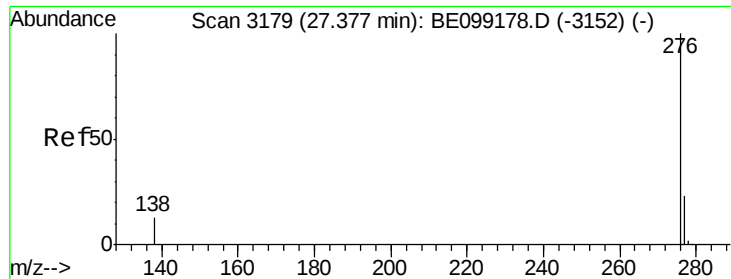
Sohil  
3/28/2019 5:11:27 PM



#38  
Dibenzo(a,h)anthracene  
Concen: 0.381 ng  
RT: 26.57 min Scan# 2954  
Delta R.T. -0.02 min  
Lab File: BE099215.D  
Acq: 26 Mar 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.2  | 9.5   | 14.3  |
| 279     | 25.2  | 19.1  | 28.7  |





#39

Benzo(a,h,i)perylene

Concen: 0.360 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BE099215.D

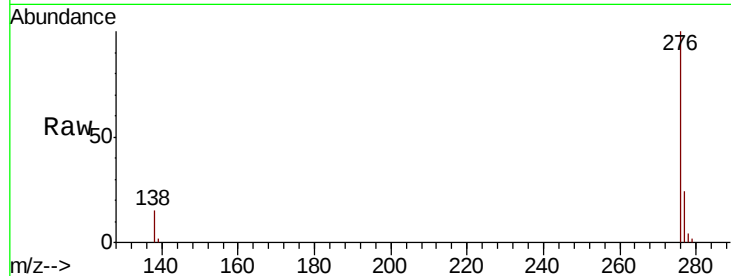
Acq: 26 Mar 2019 14:59

Instrument :

BNA\_E

ClientSampleId :

P002-TW001-01MS



|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 33089 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 23.8  | 19.0  | 28.4  |
| 138       | 14.6  | 11.1  | 16.7  |

Manual Integrations  
APPROVED

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3/28/2019 5:11:27 PM

