

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE051719\  
 Data File : BE099643.D  
 Acq On : 17 May 2019 9:37  
 Operator : JU/SJ  
 Sample : K2845-01MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FEBH-01MS

Manual Integrations  
 APPROVED

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 5/21/2019 2:17:10 PM

Quant Time: May 17 12:01:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051419.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 14 19:30:50 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 2250     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 7512     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 5044     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 13599    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 20400    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.96 | 264  | 25099    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.39  | 112 | 2139  | 0.33 | ng | 0.01 |
| 5) Phenol-d6                | 6.97  | 99  | 2891  | 0.36 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.98  | 82  | 2528  | 0.35 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 4490m | 0.36 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330 | 1050  | 0.30 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 6859  | 0.35 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.26 | 212 | 64639 | 0.36 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.86 | 244 | 13667 | 0.37 | ng | 0.00 |

#### Target Compounds

|                                |       |     |       |          | Qvalue |
|--------------------------------|-------|-----|-------|----------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 892   | 0.269 ng | # 46   |
| 3) n-Nitrosodimethylamine      | 3.62  | 42  | 552   | 0.261 ng | # 61   |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 2537  | 0.373 ng | 100    |
| 9) Naphthalene                 | 10.67 | 128 | 30386 | 0.380 ng | 99     |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 2084  | 0.356 ng | 97     |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 4932  | 0.374 ng | 99     |
| 16) Acenaphthylene             | 14.21 | 152 | 8389  | 0.352 ng | 99     |
| 17) Acenaphthene               | 14.54 | 154 | 4919  | 0.366 ng | 99     |
| 18) Fluorene                   | 15.53 | 166 | 6783  | 0.352 ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 2808  | 0.358 ng | 96     |
| 21) Hexachlorobenzene          | 16.53 | 284 | 2736  | 0.355 ng | 99     |
| 22) Pentachlorophenol          | 16.88 | 266 | 1932  | 0.706 ng | 93     |
| 23) Phenanthrene               | 17.27 | 178 | 13561 | 0.402 ng | 99     |
| 24) Anthracene                 | 17.36 | 178 | 11617 | 0.373 ng | 99     |
| 26) Fluoranthene               | 19.29 | 202 | 21161 | 0.414 ng | 99     |
| 28) Pyrene                     | 19.66 | 202 | 22095 | 0.425 ng | 99     |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 25264 | 0.410 ng | 98     |
| 31) Chrysene                   | 21.45 | 228 | 24771 | 0.390 ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 56106 | 0.590 ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.66 | 276 | 29395 | 0.372 ng | 99     |
| 35) Benzo(b)fluoranthene       | 23.17 | 252 | 25423 | 0.362 ng | # 91   |
| 36) Benzo(k)fluoranthene       | 23.23 | 252 | 25666 | 0.370 ng | 99     |
| 37) Benzo(a)pyrene             | 23.84 | 252 | 25359 | 0.373 ng | # 96   |
| 38) Dibenzo(a,h)anthracene     | 26.68 | 278 | 24642 | 0.350 ng | 99     |
| 39) Benzo(g,h,i)perylene       | 27.49 | 276 | 25108 | 0.354 ng | 99     |

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

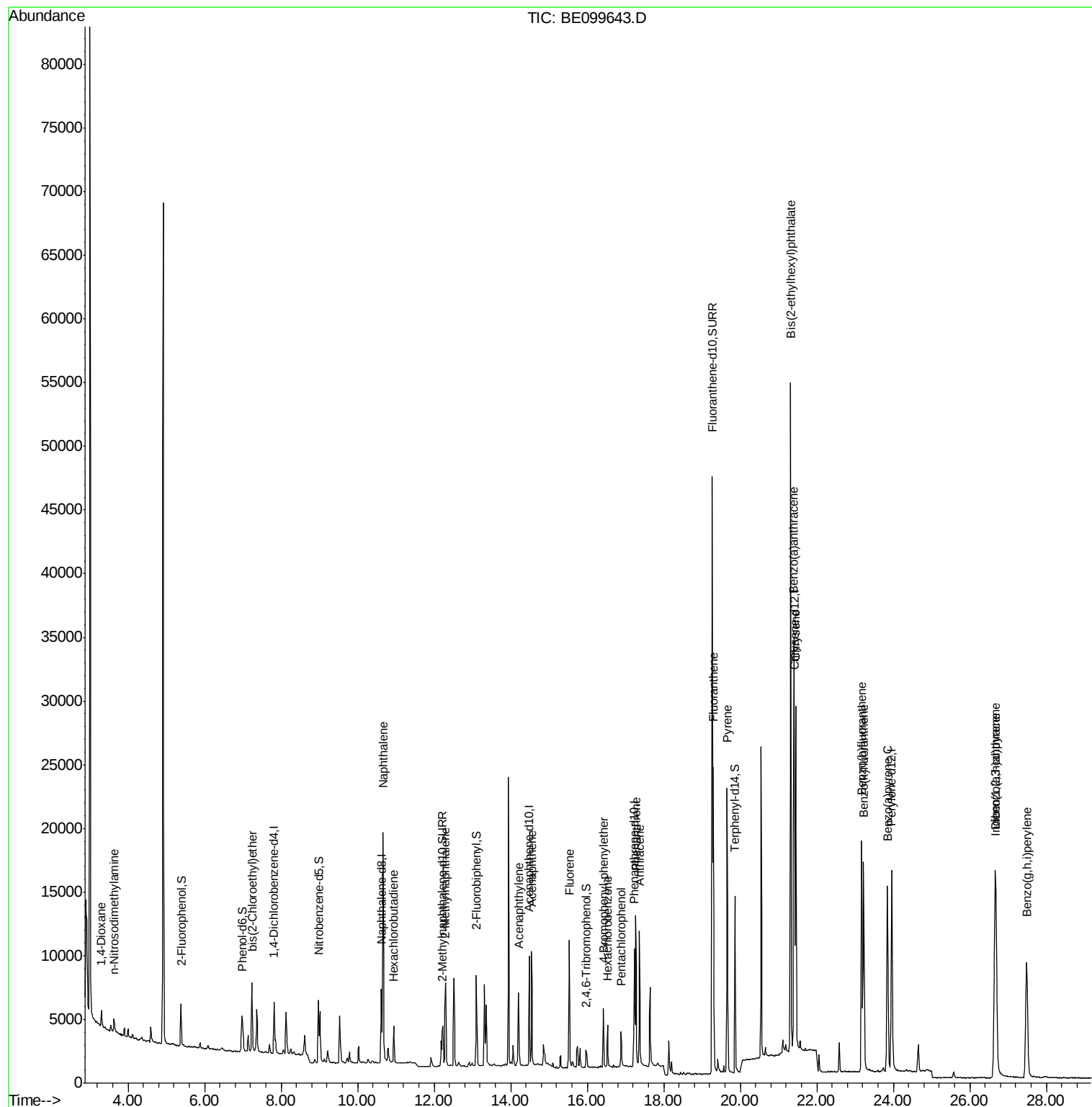
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE051719\  
Data File : BE099643.D  
Acq On : 17 May 2019 9:37  
Operator : JU/SJ  
Sample : K2845-01MS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

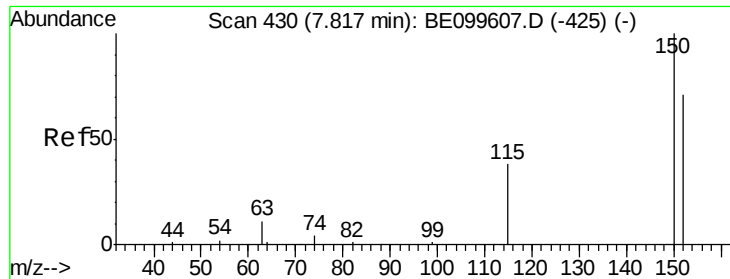
Instrument :  
BNA\_E  
ClientSampleId :  
FEBH-01MS

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Quant Time: May 17 12:01:22 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 14 19:30:50 2019  
Response via : Initial Calibration

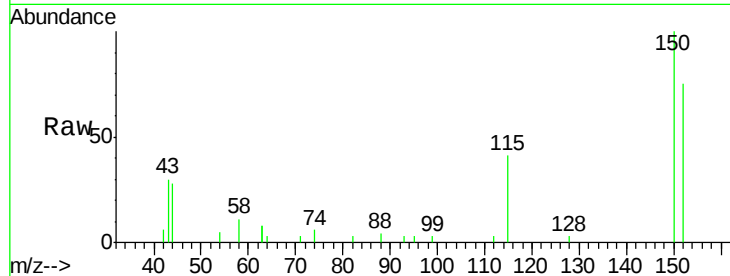




#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

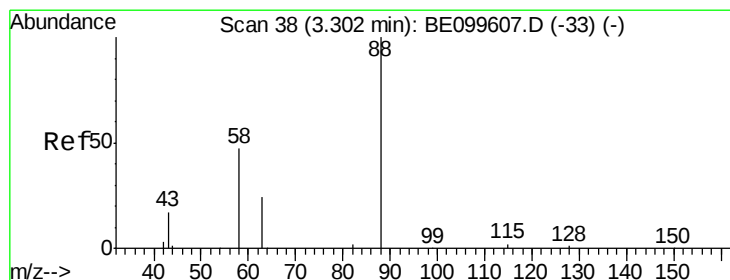
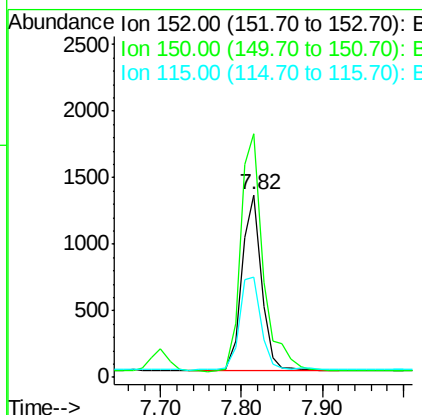
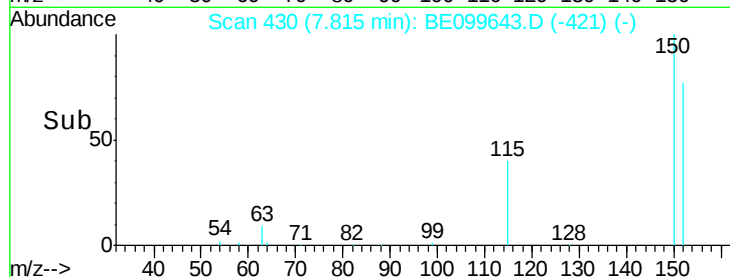
Instrument :  
BNA\_E  
ClientSampleId :  
FEBH-01MS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 133.2 | 110.1 | 165.1 |
| 115     | 54.7  | 46.2  | 69.4  |

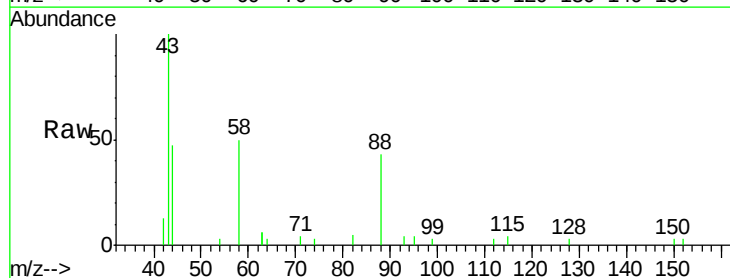
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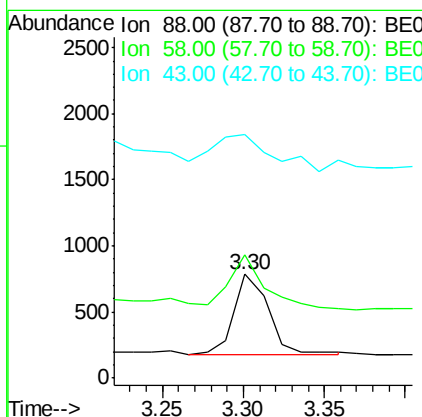
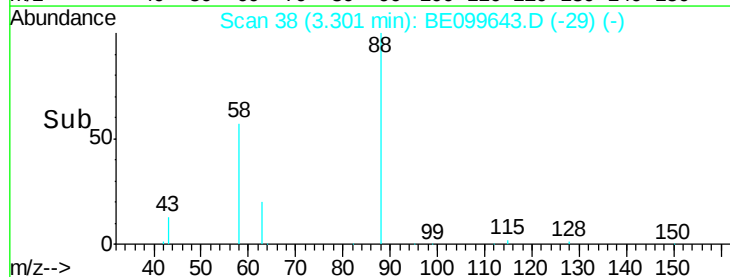


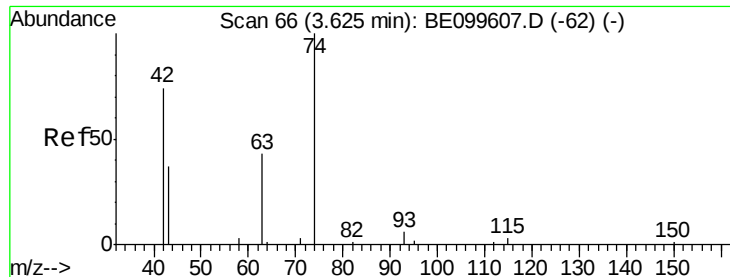
#2

1,4-Dioxane  
Concen: 0.269 ng  
RT: 3.30 min Scan# 38  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 67.0  | 39.8  | 59.6# |
| 43      | 81.4  | 21.0  | 31.6# |





#3

n-Nitrosodimethylamine

Concen: 0.261 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

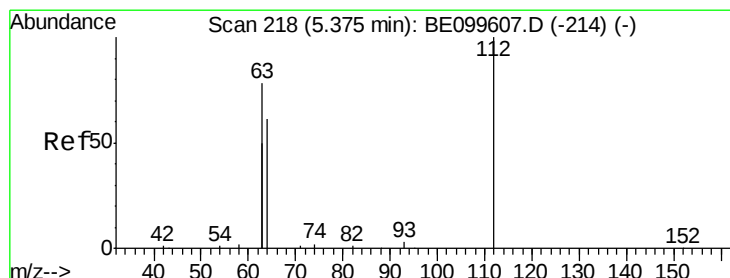
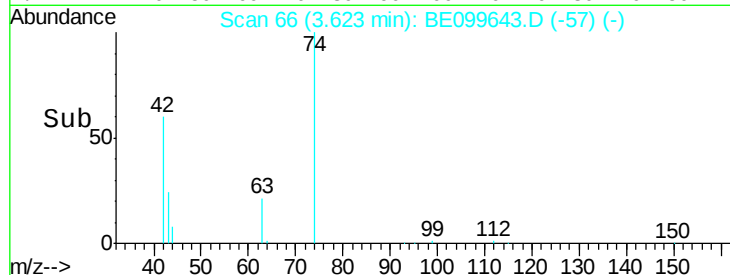
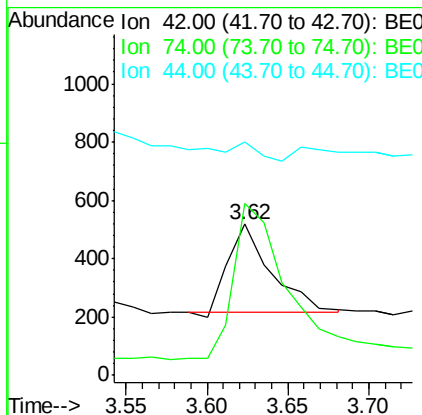
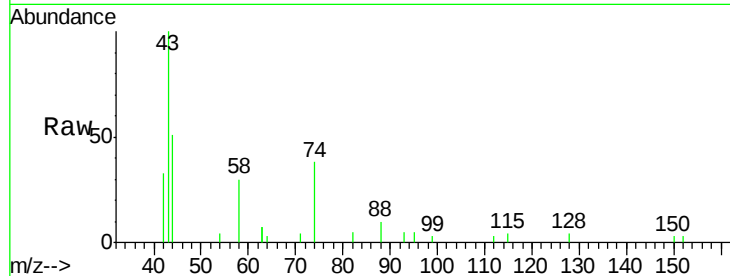
ClientSampleId :

FEBH-01MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 552    |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 222.1 | 134.7 | 202.1# |
| 44       | 0.0   | 12.5  | 18.7#  |

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#4

2-Fluorophenol

Concen: 0.335 ng

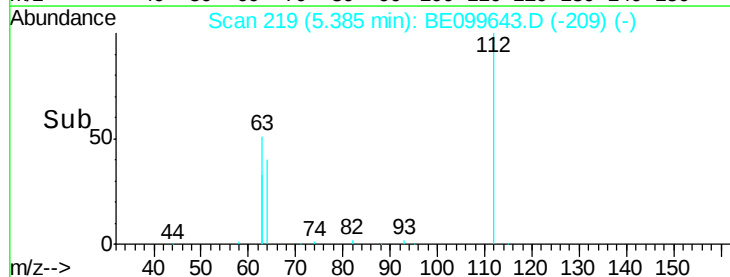
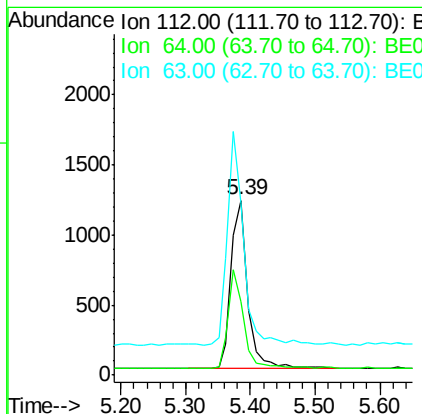
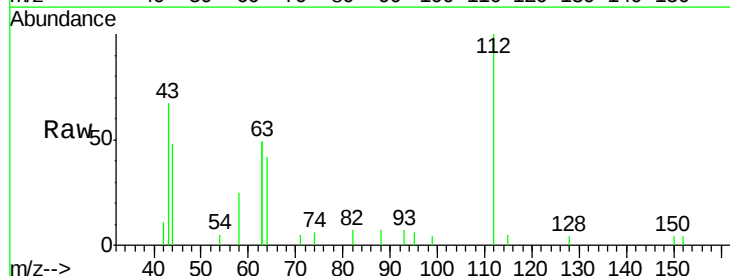
RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 2139  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 55.9  | 43.7  | 65.5  |
| 63       | 124.1 | 94.0  | 141.0 |





#5

Phenol-d6

Concen: 0.357 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

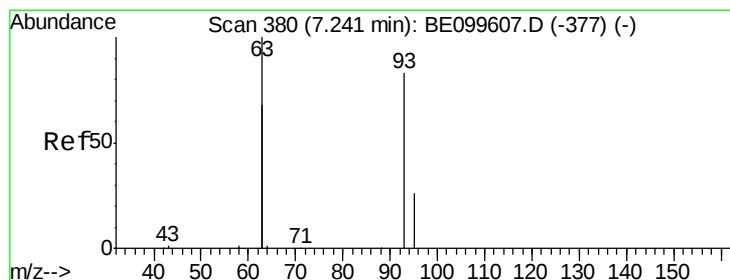
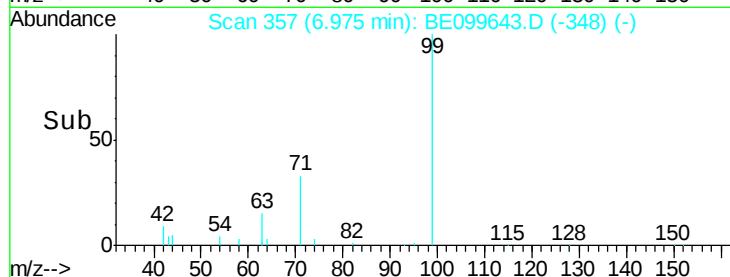
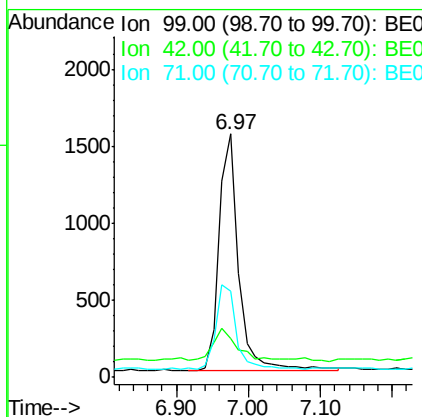
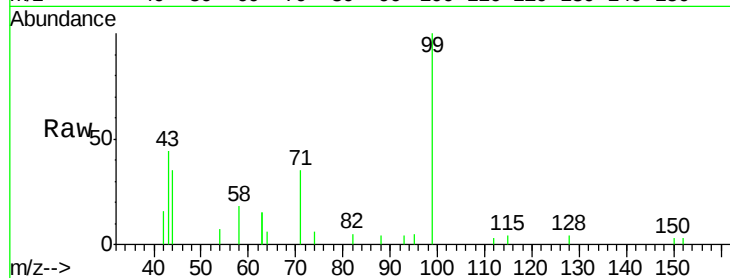
ClientSampleId :

FEBH-01MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 2891  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 16.3  | 14.3  | 21.5  |
| 71       | 36.6  | 33.1  | 49.7  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.373 ng

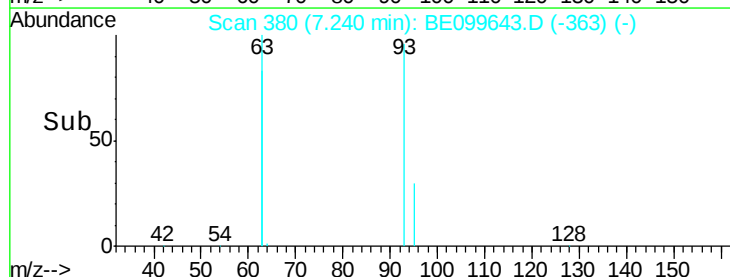
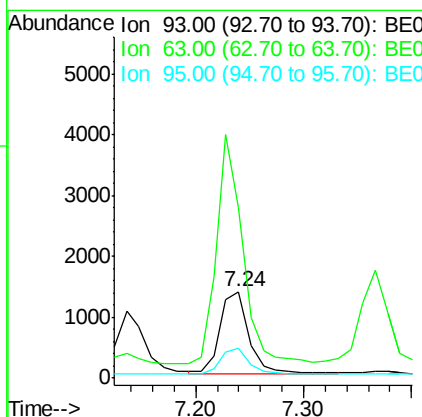
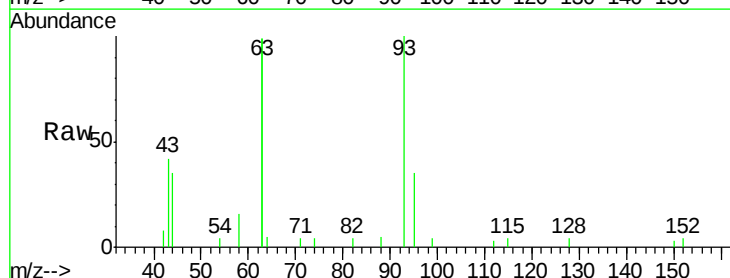
RT: 7.24 min Scan# 380

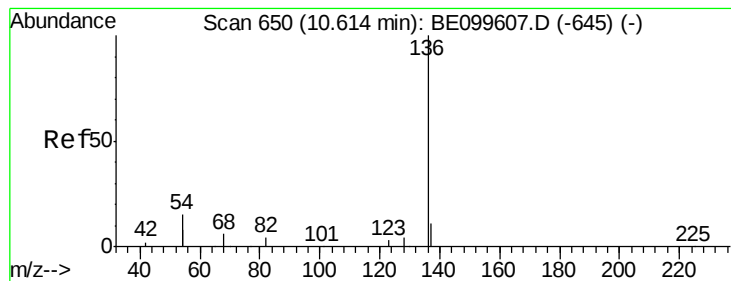
Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 2537  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 250.5 | 201.0 | 301.4 |
| 95       | 31.8  | 25.0  | 37.4  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

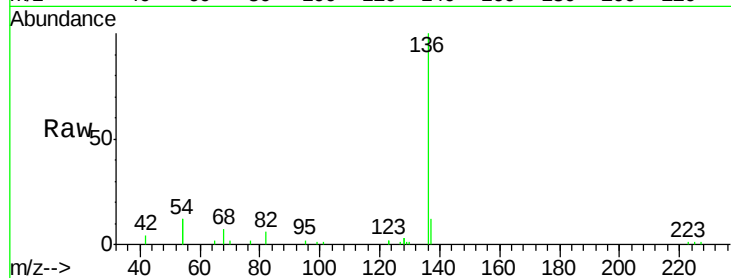
ClientSampleId :

FEBH-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 7512  |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.7  | 9.7   | 14.5  |
| 54        | 23.3  | 23.8  | 35.8# |
| 68        | 7.0   | 6.2   | 9.2   |

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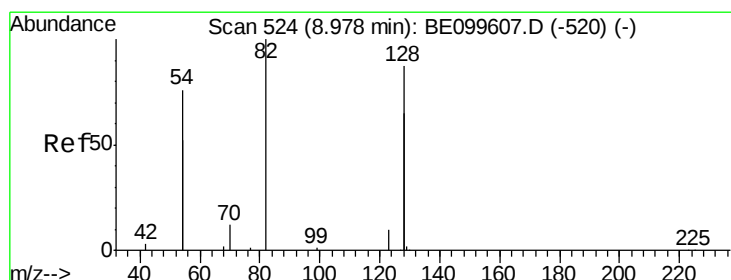
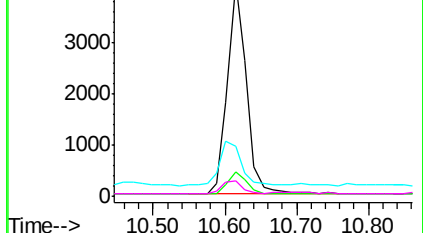
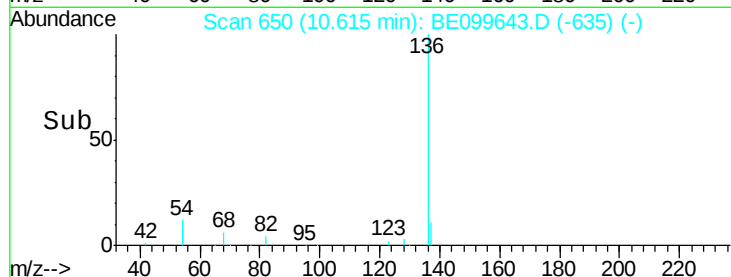


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.348 ng

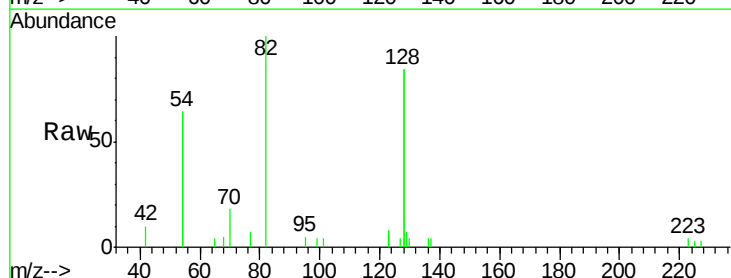
RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

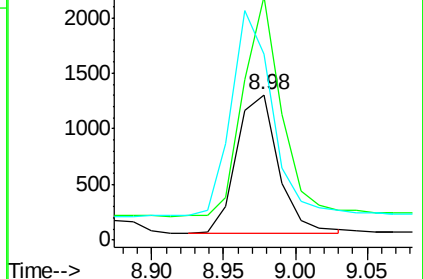
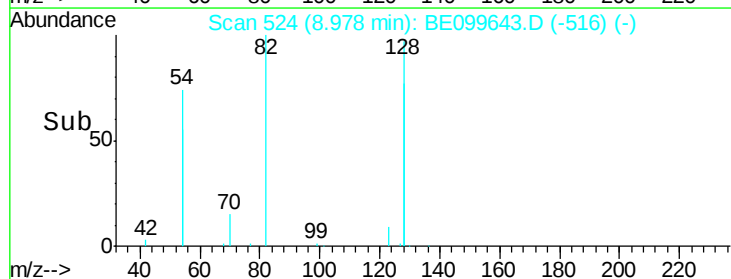
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 2528  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 167.3 | 131.4 | 197.2 |
| 54        | 127.9 | 113.9 | 170.9 |

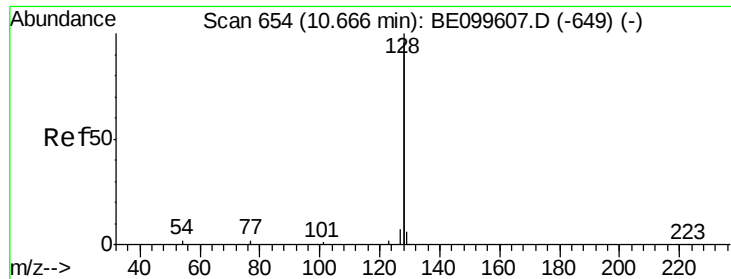


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.380 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

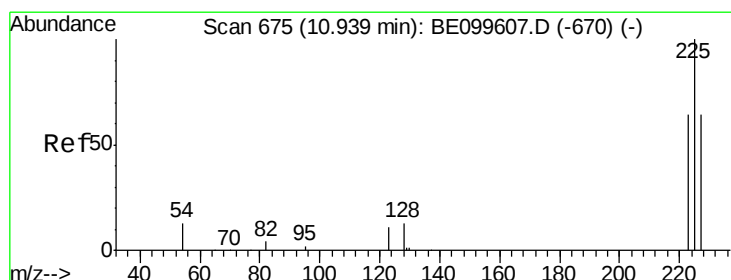
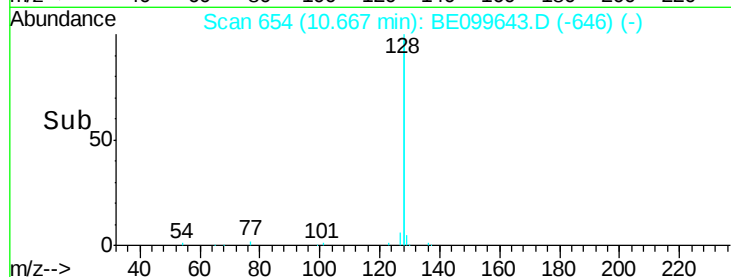
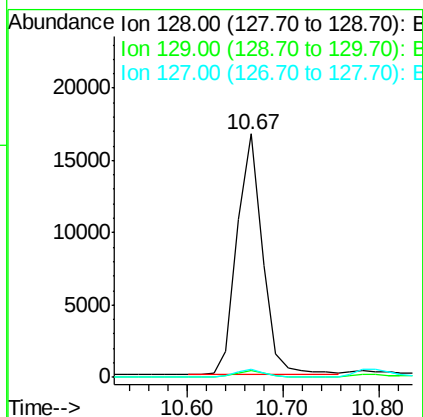
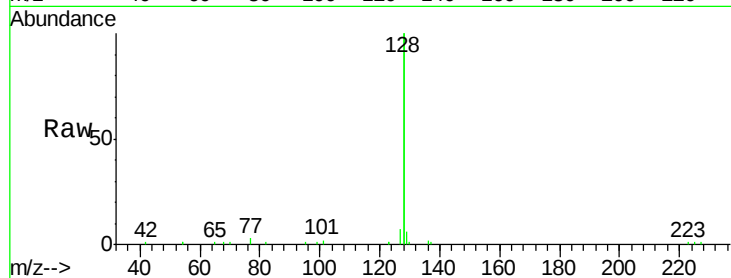
ClientSampleId :

FEBH-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 30386 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 2.9   | 2.6   | 4.0   |
| 127       | 3.4   | 3.0   | 4.6   |

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#10

Hexachlorobutadiene

Concen: 0.356 ng

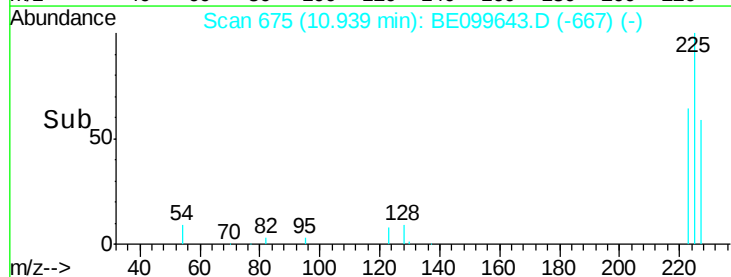
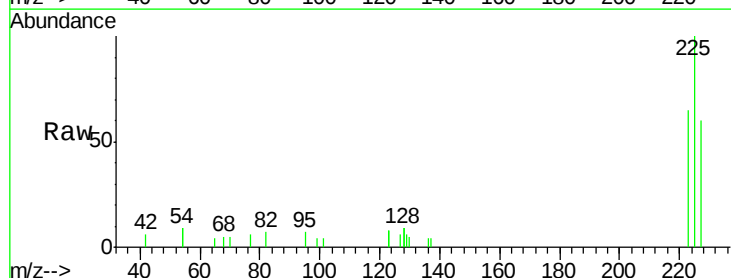
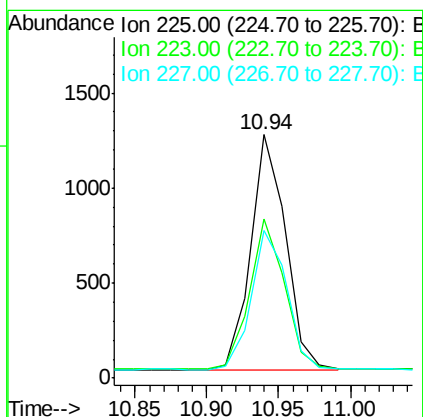
RT: 10.94 min Scan# 675

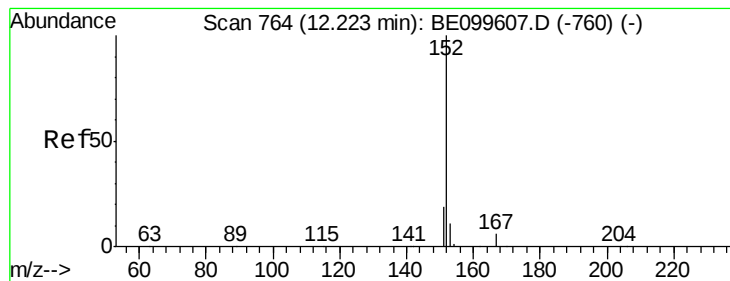
Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2084 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.6  | 49.8  | 74.8 |
| 227       | 60.7  | 51.2  | 76.8 |





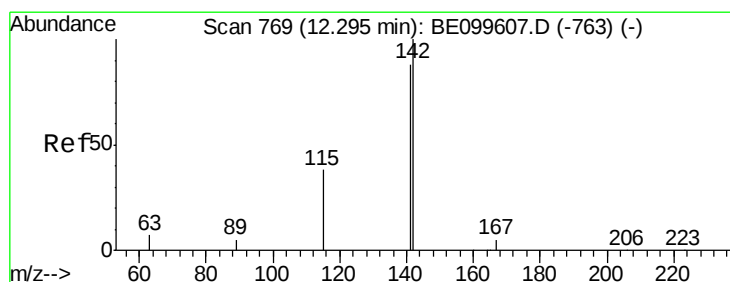
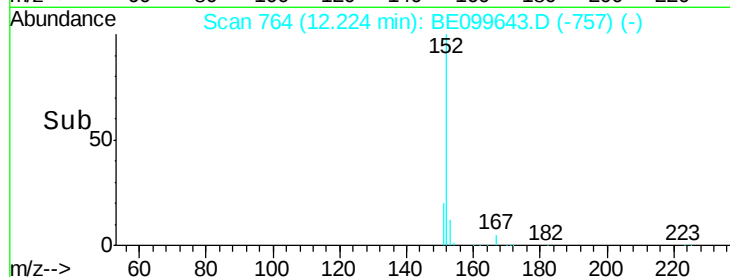
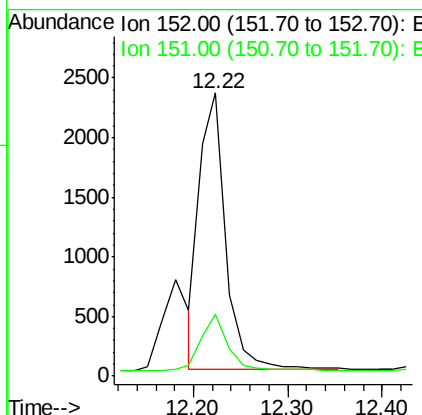
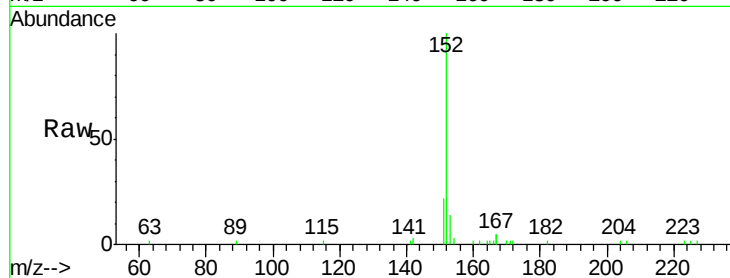
#11  
2-Methylnaphthalene-d10  
Concen: 0.355 ng m  
RT: 12.22 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

Instrument :  
BNA\_E  
ClientSampled :  
FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.0  | 15.3  | 22.9  |

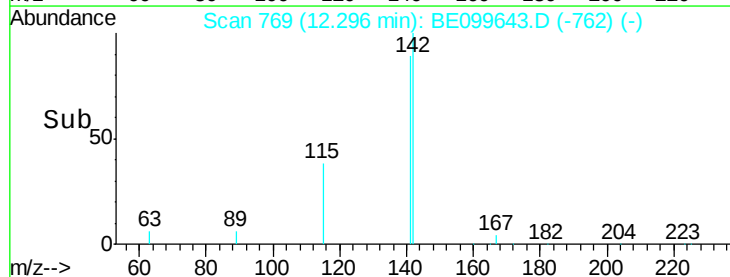
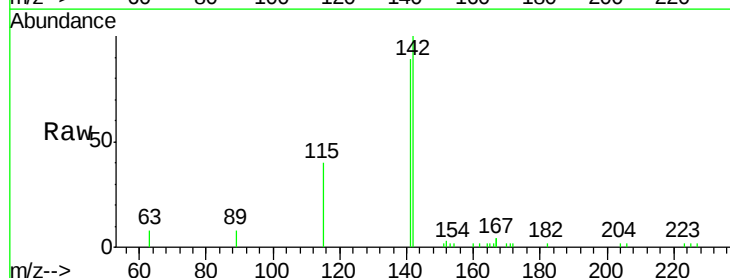
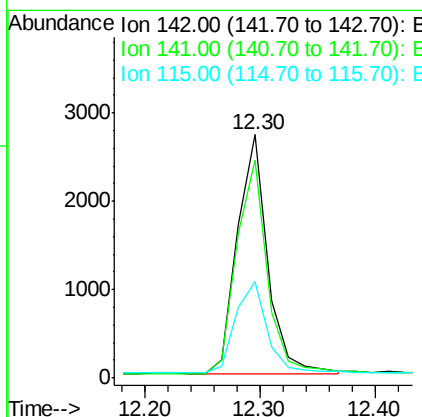
Manual Integrations  
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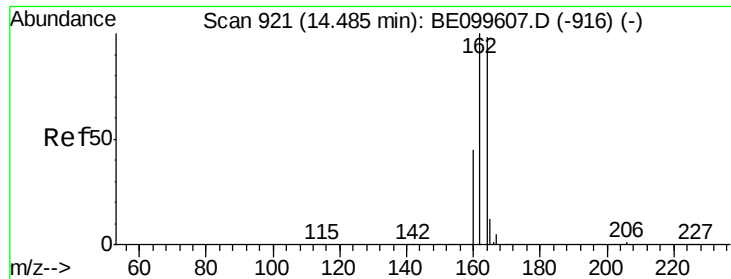
mohammad  
5/21/2019 2:17:10 PM



#12  
2-Methylnaphthalene  
Concen: 0.374 ng  
RT: 12.30 min Scan# 769  
Delta R.T. 0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 70.4  | 105.6 |
| 115     | 39.7  | 32.2  | 48.4  |





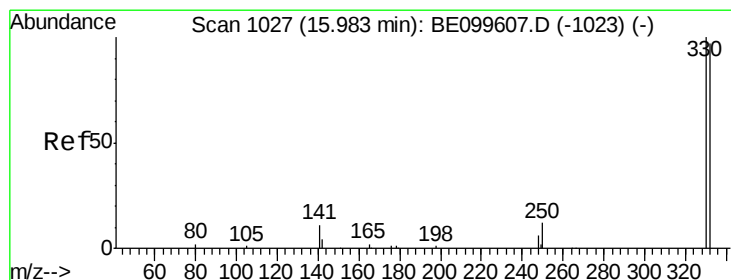
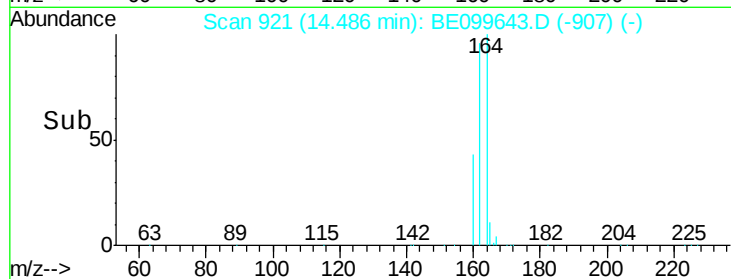
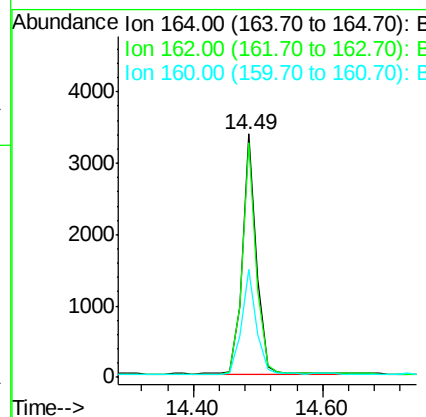
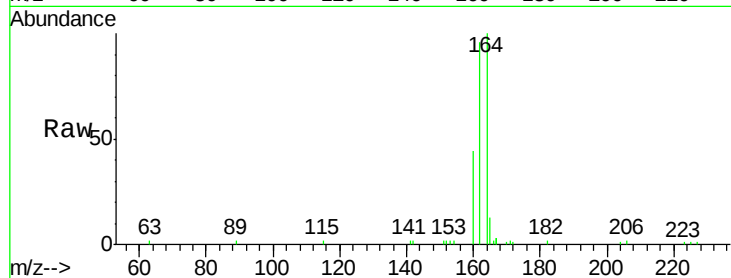
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.49 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

Instrument :  
BNA\_E  
ClientSampleId :  
FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.2  | 81.4  | 122.0 |
| 160     | 44.2  | 37.4  | 56.2  |

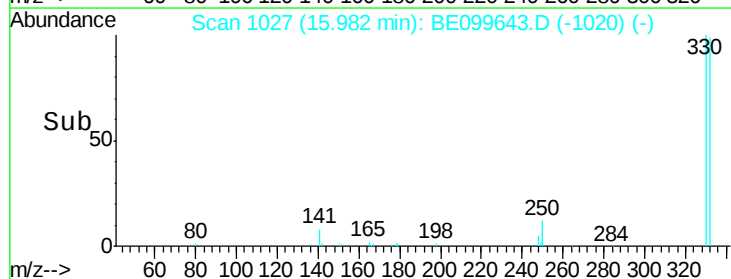
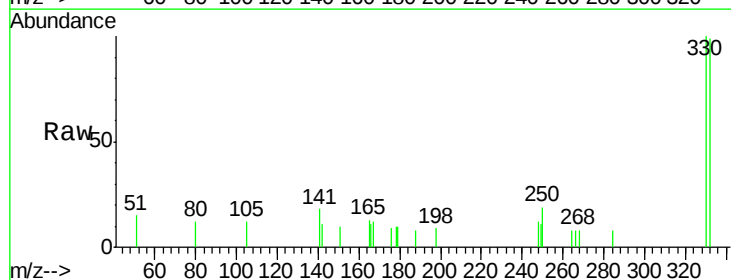
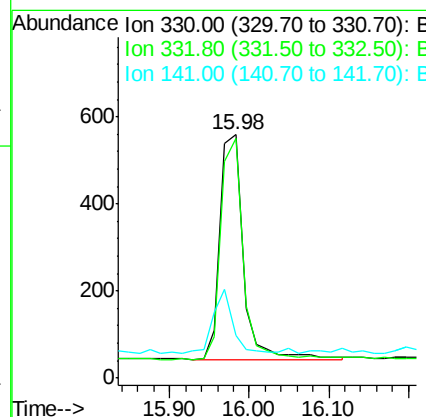
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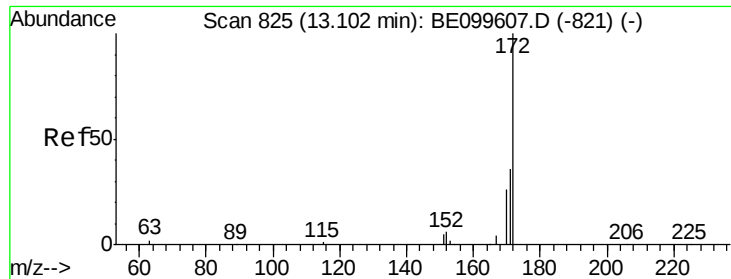
mohammad  
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#14  
2,4,6-Tribromophenol  
Concen: 0.304 ng  
RT: 15.98 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 73.8  | 110.8 |
| 141     | 24.1  | 21.0  | 31.6  |





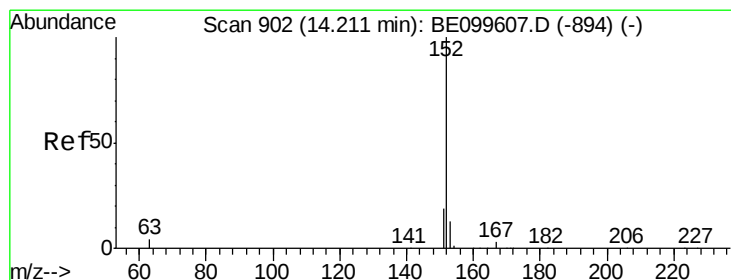
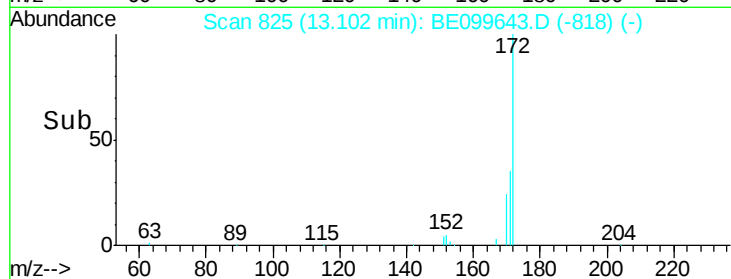
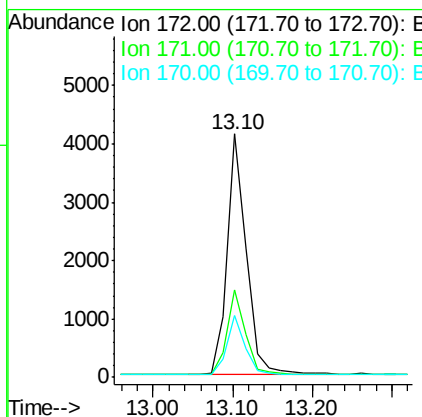
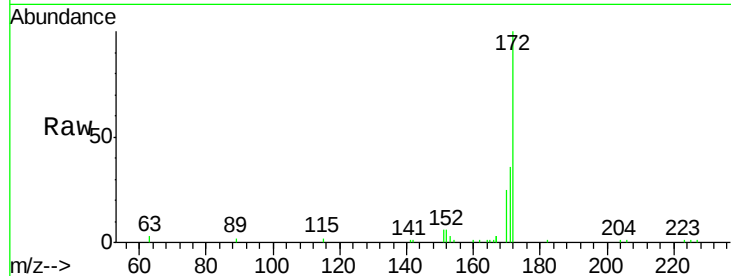
#15  
2-Fluorobiphenyl  
Concen: 0.353 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

Instrument :  
BNA\_E  
ClientSampleId :  
FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.4  | 44.2  |
| 170     | 25.2  | 21.5  | 32.3  |

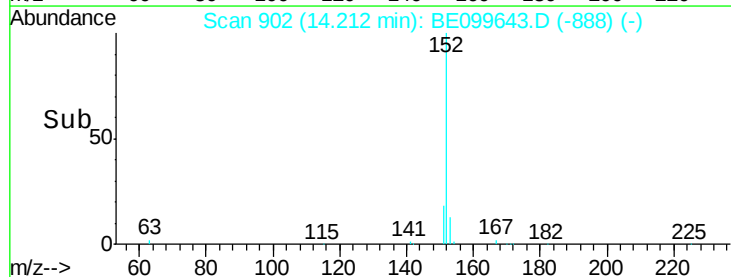
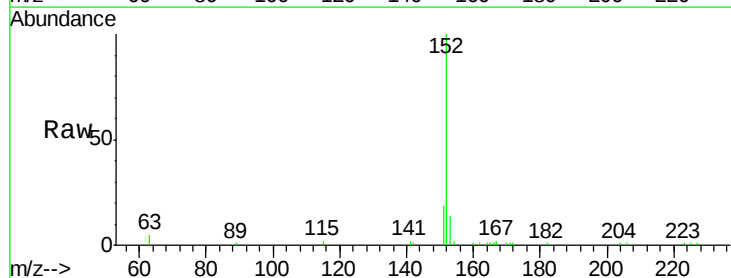
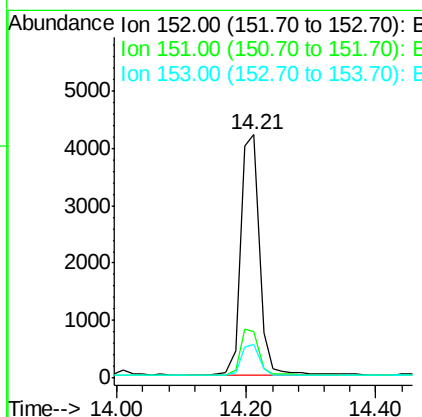
Manual Integrations  
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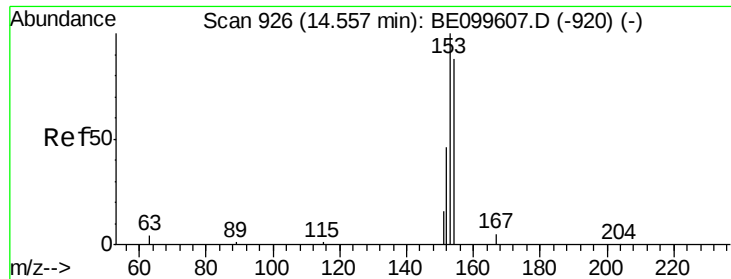
mohammad  
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#16  
Acenaphthylene  
Concen: 0.352 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 15.6  | 23.4  |
| 153     | 13.1  | 10.4  | 15.6  |





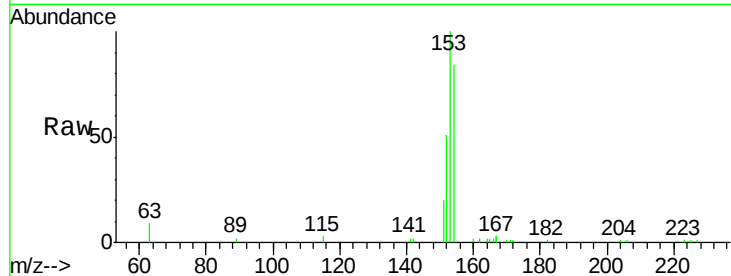
#17  
Acenaphthene  
Concen: 0.366 ng  
RT: 14.54 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

Instrument :  
BNA\_E  
ClientSampleId :  
FEBH-01MS

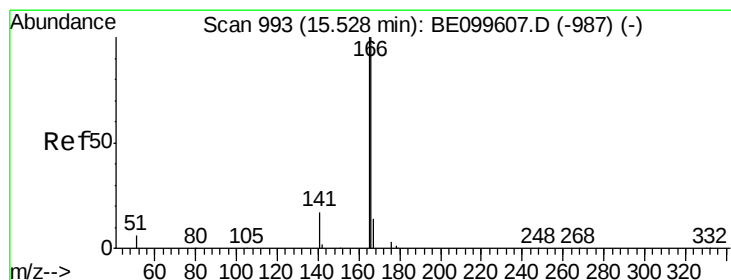
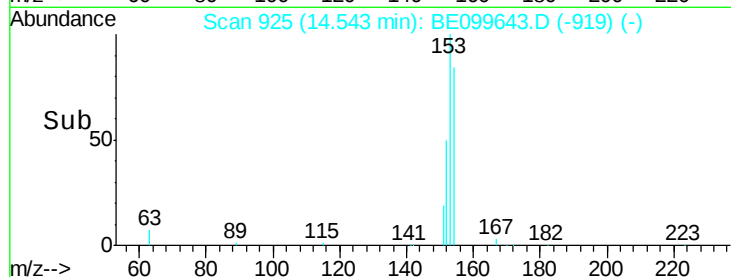
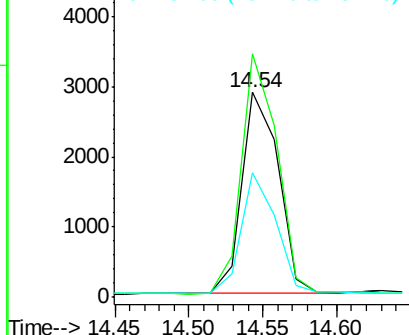
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   | 4919 |       |       |
| 153     | 116.7 | 94.1 | 141.1 |       |
| 152     | 57.0  | 46.5 | 69.7  |       |

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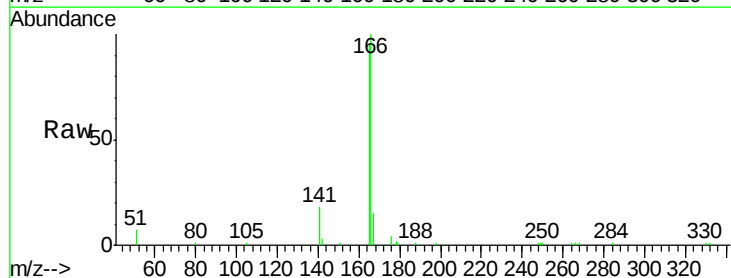


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

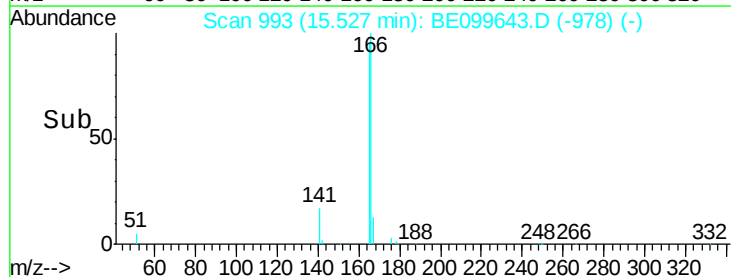
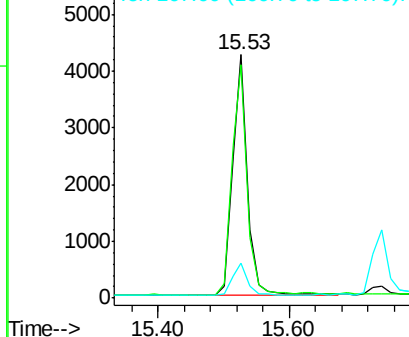


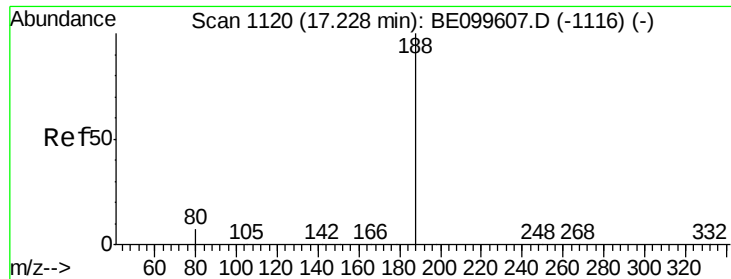
#18  
Fluorene  
Concen: 0.352 ng  
RT: 15.53 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   | 6783 |       |       |
| 165     | 99.5  | 79.8 | 119.8 |       |
| 167     | 13.7  | 11.2 | 16.8  |       |



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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

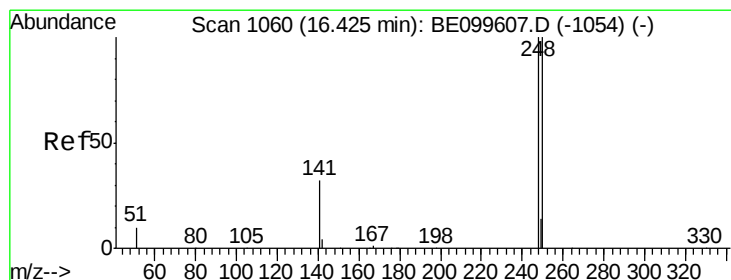
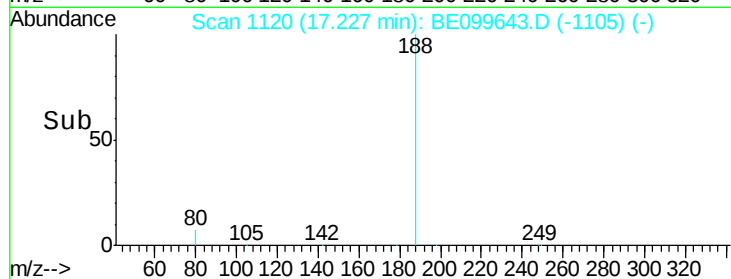
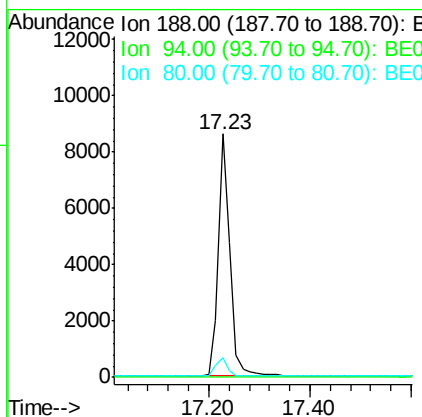
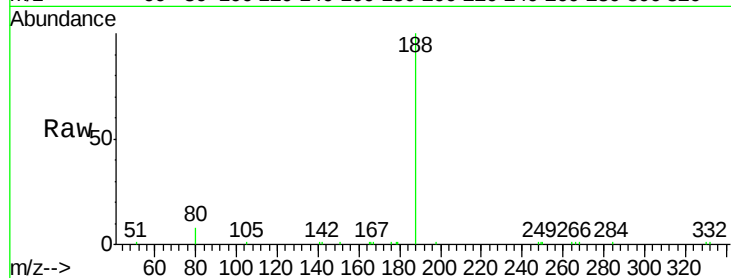
ClientSampleId :

FEBH-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 13599 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 7.8   | 6.4   | 9.6   |

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#20

4-Bromophenyl-phenylether

Concen: 0.358 ng

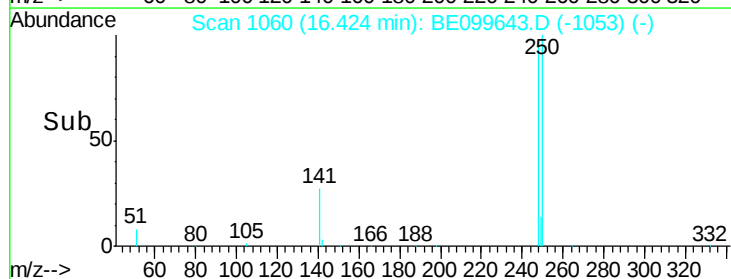
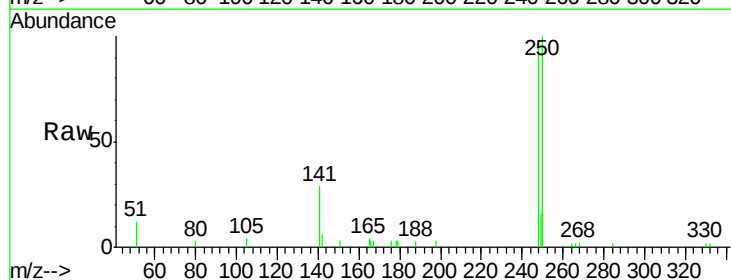
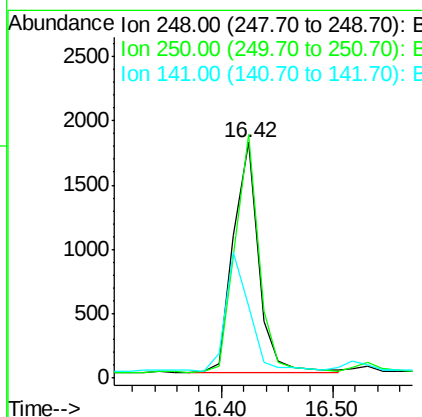
RT: 16.42 min Scan# 1060

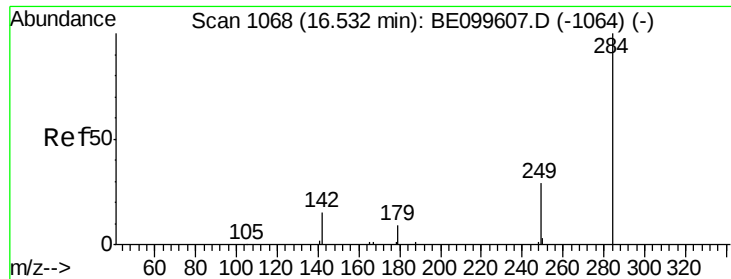
Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 2808  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 103.4 | 80.4  | 120.6 |
| 141       | 30.4  | 27.8  | 41.8  |





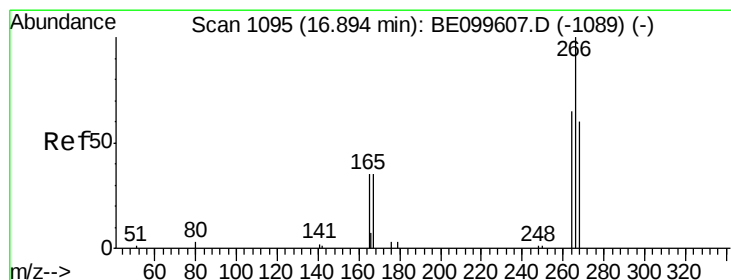
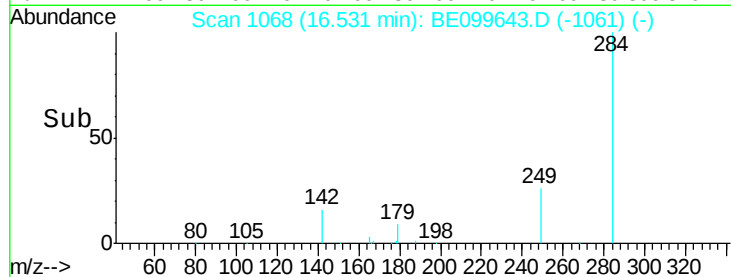
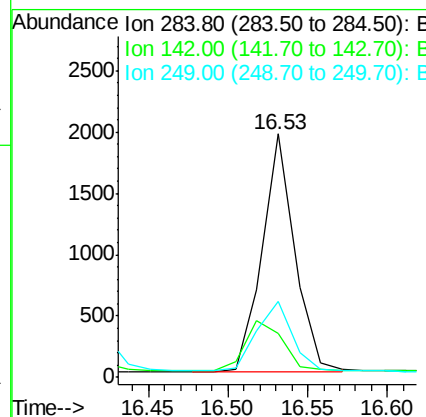
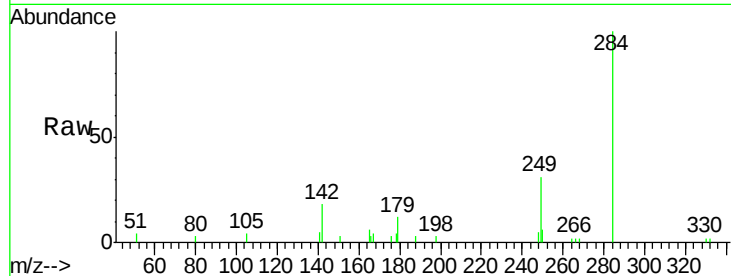
#21  
Hexachlorobenzene  
Concen: 0.355 ng  
RT: 16.53 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

Instrument :  
BNA\_E  
ClientSampled :  
FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 24.6  | 19.4  | 29.2  |
| 249     | 31.9  | 24.6  | 37.0  |

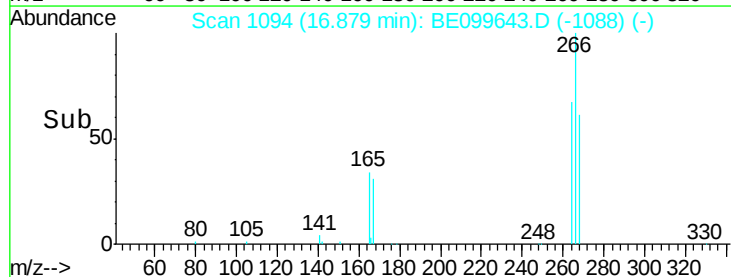
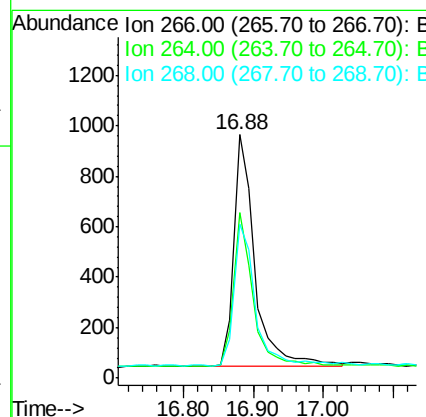
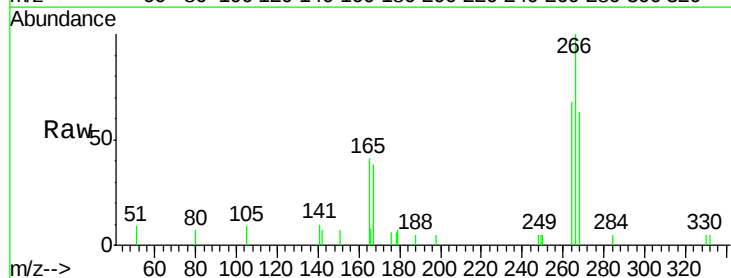
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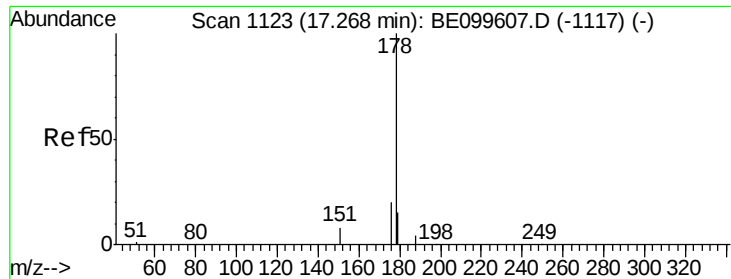
mohammad  
5/21/2019 2:17:10 PM



#22  
Pentachlorophenol  
Concen: 0.706 ng  
RT: 16.88 min Scan# 1094  
Delta R.T. -0.01 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 68.0  | 57.7  | 86.5  |
| 268     | 63.0  | 55.8  | 83.8  |





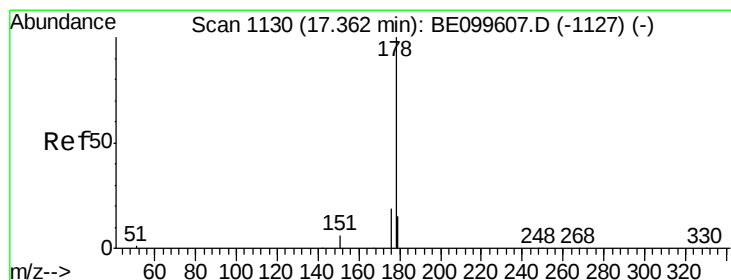
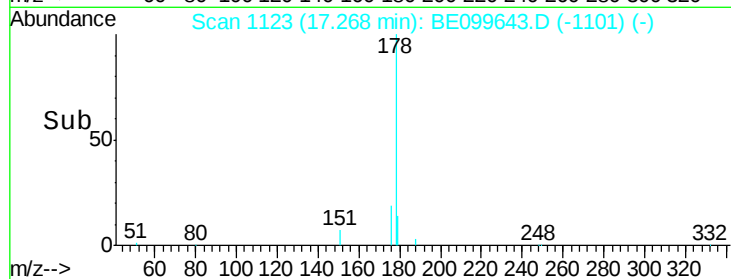
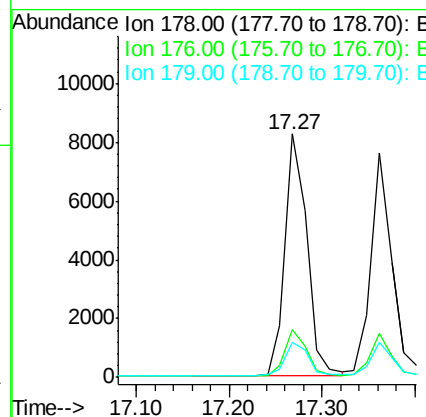
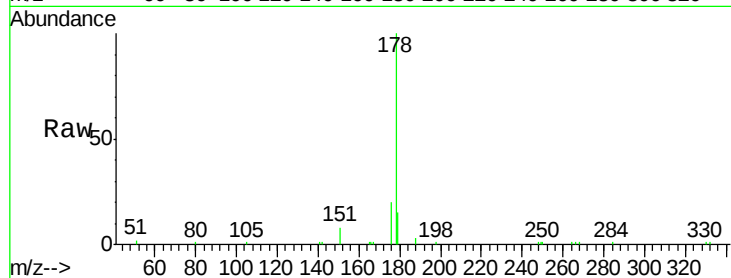
#23  
Phenanthrene  
Concen: 0.402 ng  
RT: 17.27 min Scan# 1123  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

Instrument :  
BNA\_E  
ClientSampled :  
FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.7  | 23.5  |
| 179     | 15.2  | 12.2  | 18.2  |

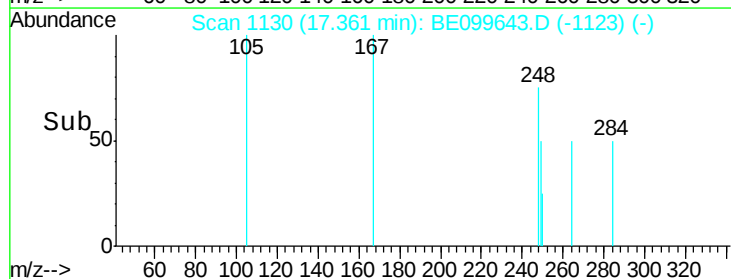
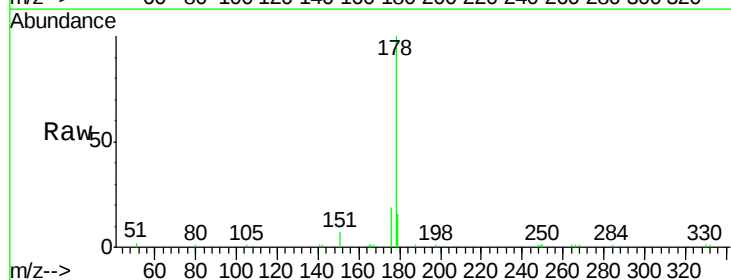
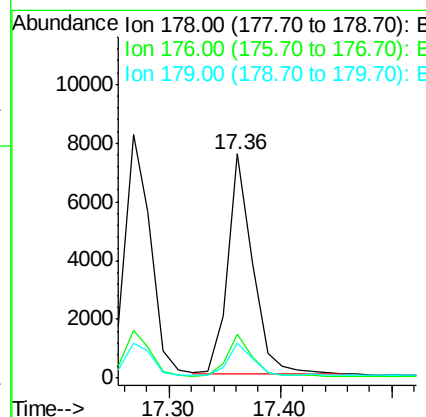
Manual Integrations  
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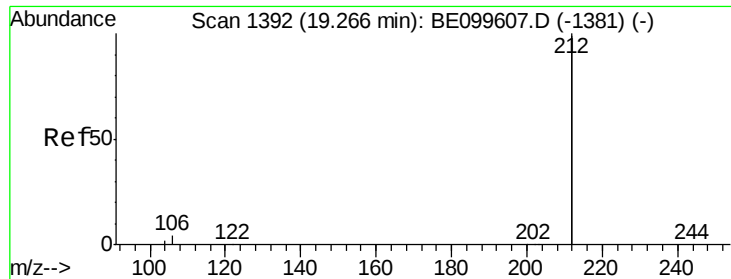
mohammad  
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#24  
Anthracene  
Concen: 0.373 ng  
RT: 17.36 min Scan# 1130  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 15.2  | 22.8  |
| 179     | 14.8  | 12.1  | 18.1  |





#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

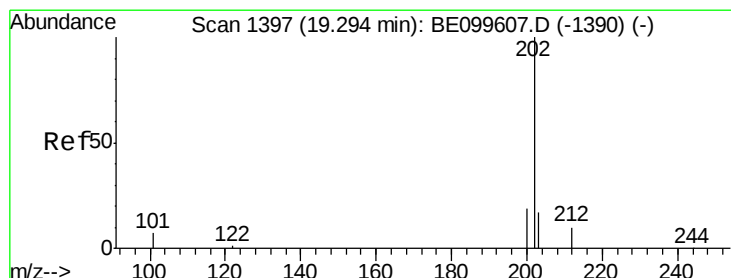
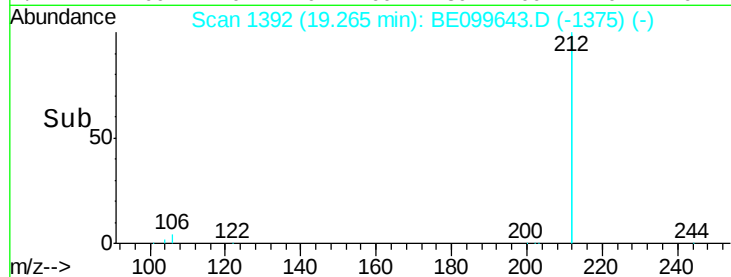
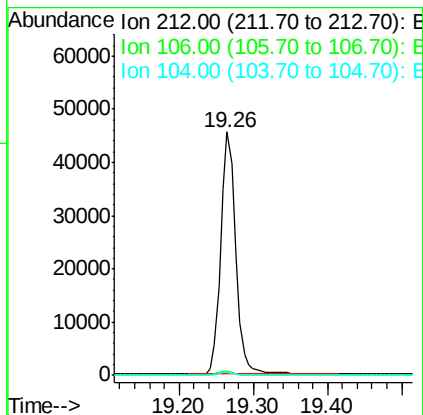
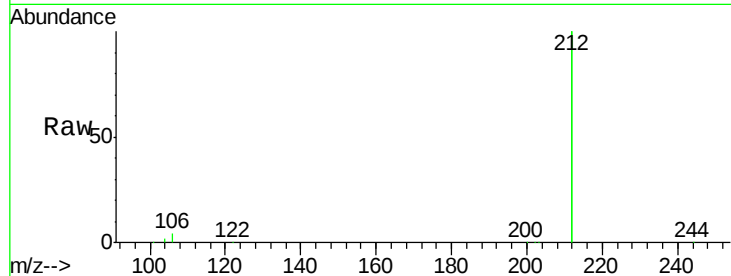
ClientSampleId :

FEBH-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 64639 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 1.9   | 1.4   | 2.2   |
| 104       | 1.1   | 0.9   | 1.3   |

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#26

Fluoranthene

Concen: 0.414 ng

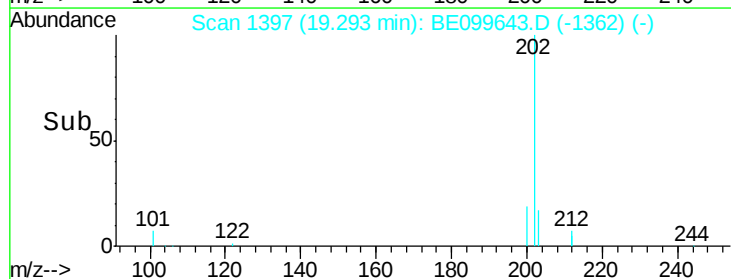
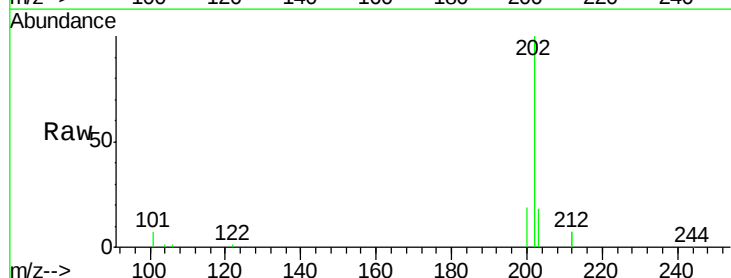
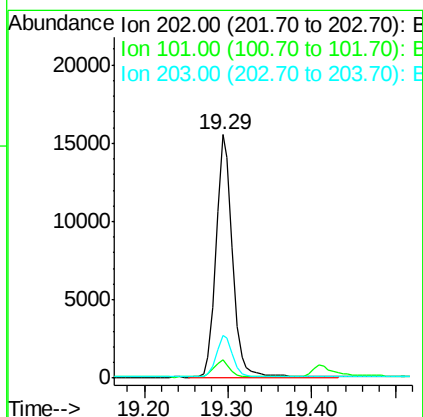
RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 21161 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.1   | 5.0   | 7.6   |
| 203       | 17.1  | 13.7  | 20.5  |





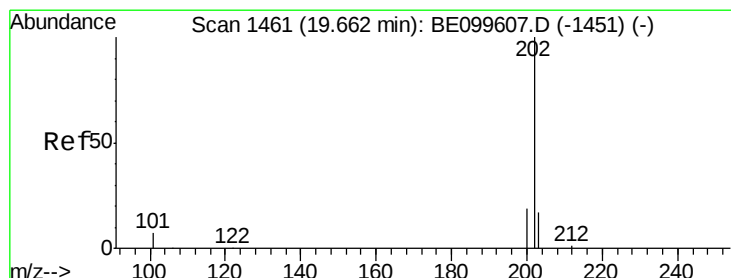
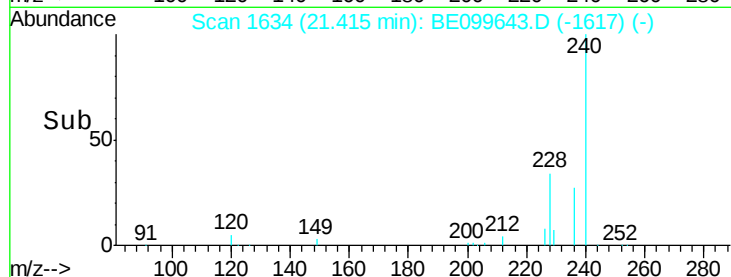
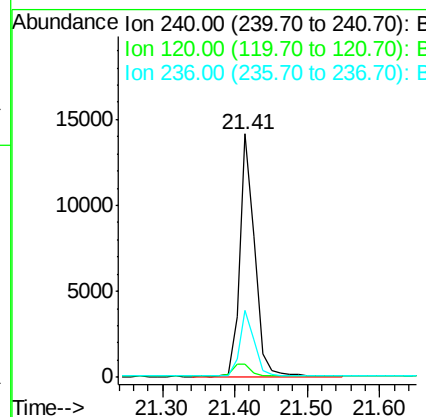
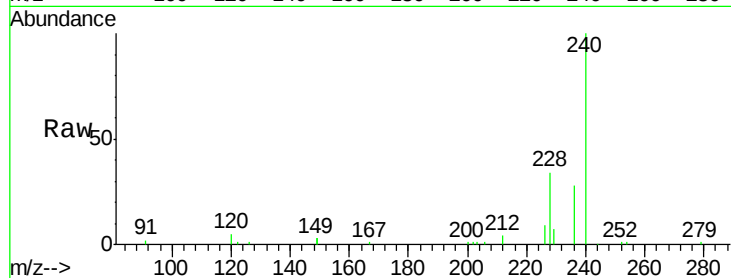
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.41 min Scan# 1634  
 Delta R.T. 0.00 min  
 Lab File: BE099643.D  
 Acq: 17 May 2019 9:37

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.4   | 5.7   | 8.5#  |
| 236     | 27.6  | 22.8  | 34.2  |

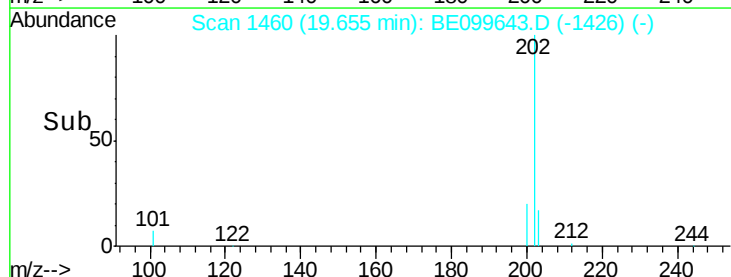
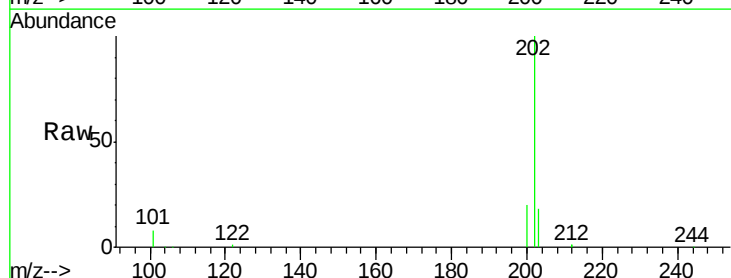
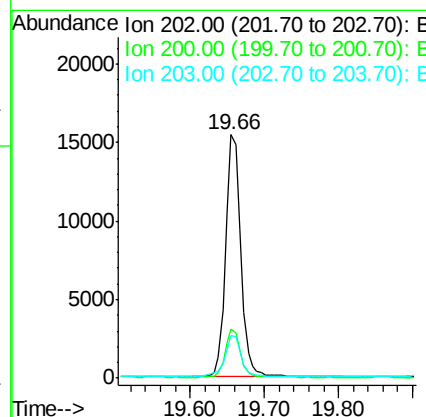
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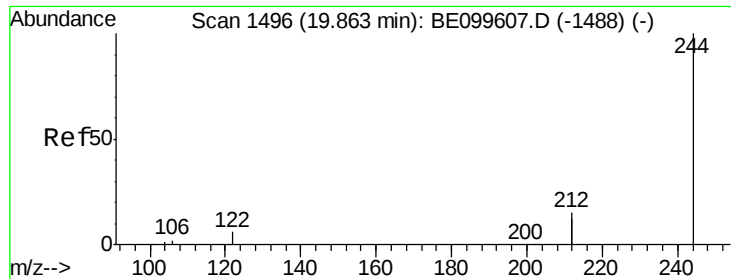
mohammad  
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#28  
 Pyrene  
 Concen: 0.425 ng  
 RT: 19.66 min Scan# 1460  
 Delta R.T. -0.01 min  
 Lab File: BE099643.D  
 Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.4  | 15.8  | 23.6  |
| 203     | 18.4  | 14.1  | 21.1  |





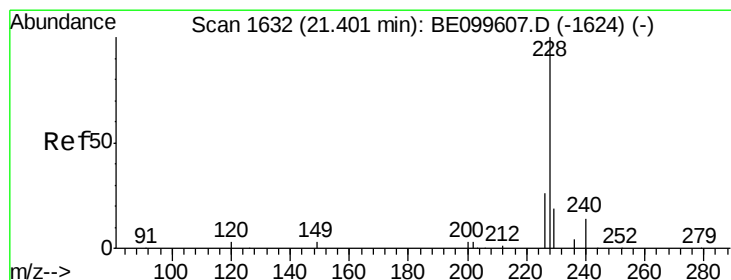
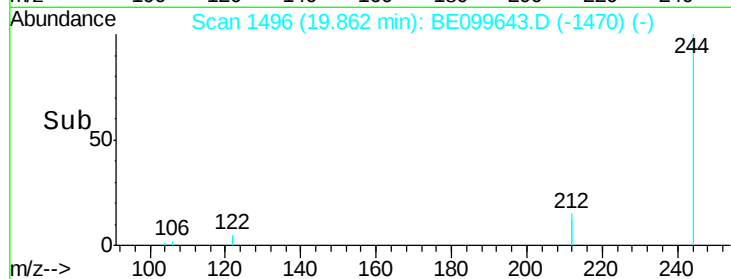
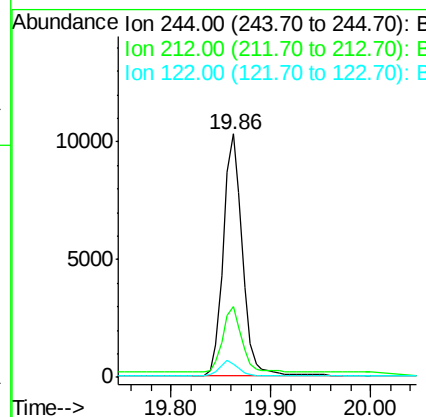
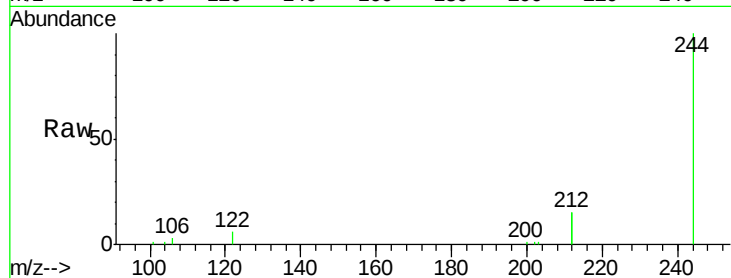
#29  
 Terphenyl-d14  
 Concen: 0.372 ng  
 RT: 19.86 min Scan# 1496  
 Delta R.T. -0.00 min  
 Lab File: BE099643.D  
 Acq: 17 May 2019 9:37

Instrument :  
 BNA\_E  
 ClientSampled :  
 FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 29.0  | 23.8  | 35.6  |
| 122     | 5.7   | 5.0   | 7.6   |

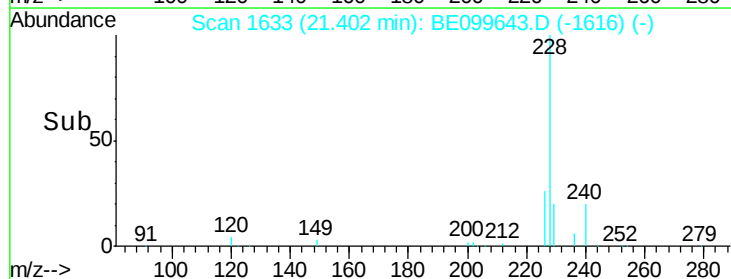
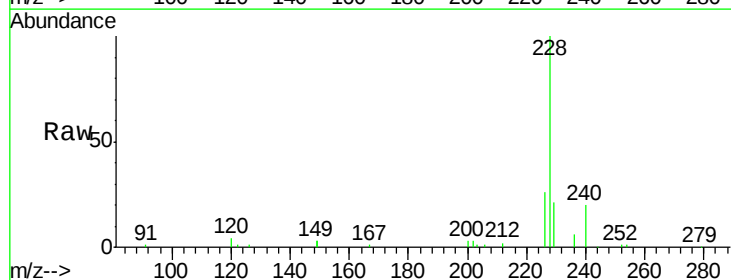
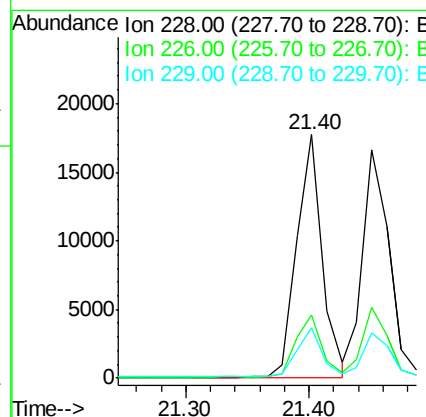
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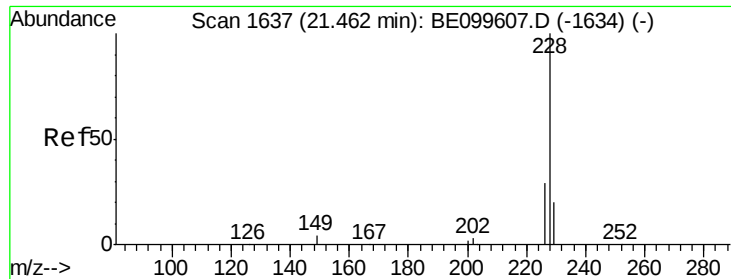
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#30  
 Benzo(a)anthracene  
 Concen: 0.410 ng  
 RT: 21.40 min Scan# 1633  
 Delta R.T. 0.00 min  
 Lab File: BE099643.D  
 Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.1  | 21.4  | 32.2  |
| 229     | 20.7  | 15.8  | 23.8  |





#31

Chrysene

Concen: 0.390 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

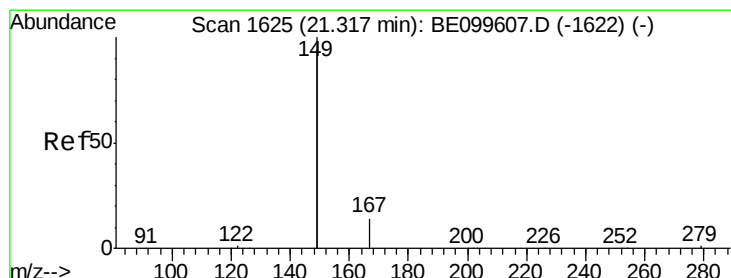
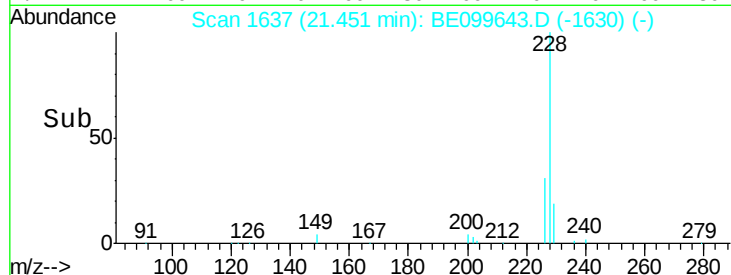
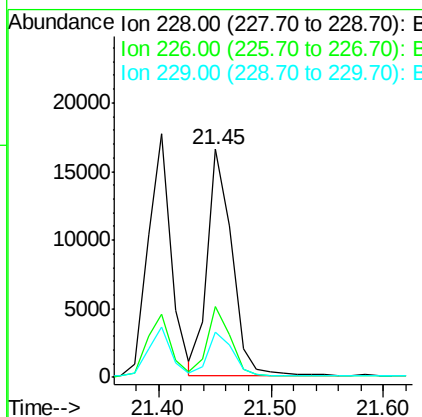
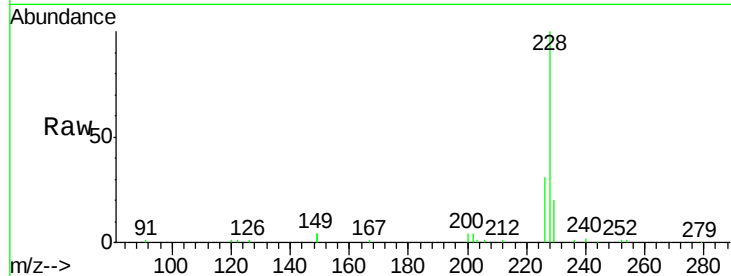
ClientSampleId :

FEBH-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 24771 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.0  | 23.0  | 34.4  |
| 229       | 20.0  | 16.4  | 24.6  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.590 ng

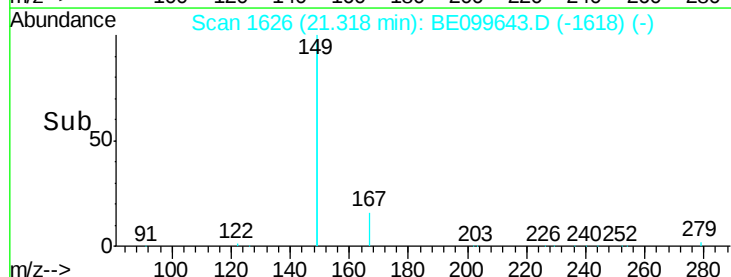
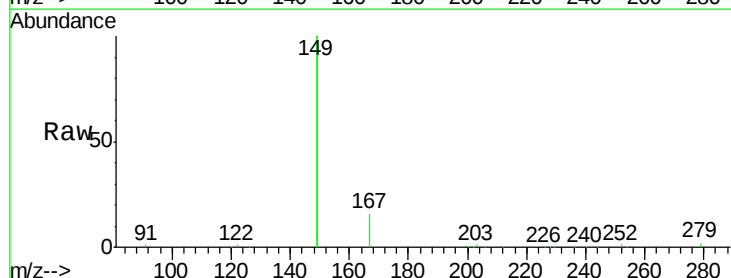
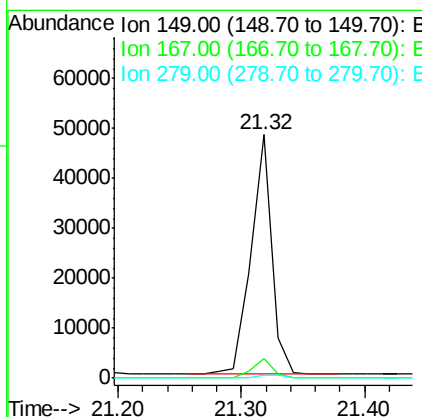
RT: 21.32 min Scan# 1626

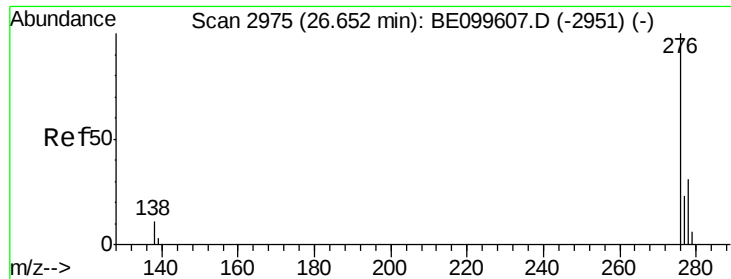
Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 56106 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.6   | 6.0   | 9.0   |
| 279       | 1.3   | 1.1   | 1.7   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.372 ng

RT: 26.66 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BE099643.D

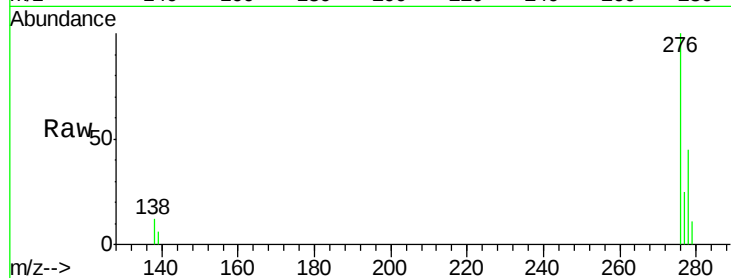
Acq: 17 May 2019 9:37

Instrument :

BNA\_E

ClientSampleId :

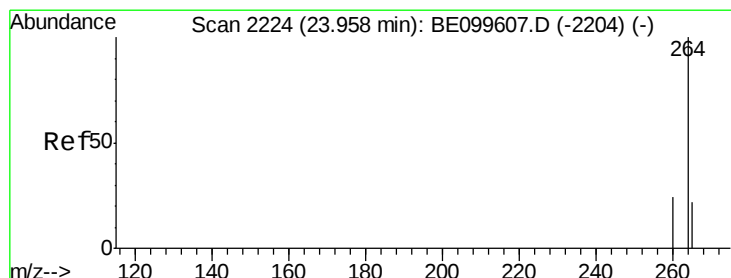
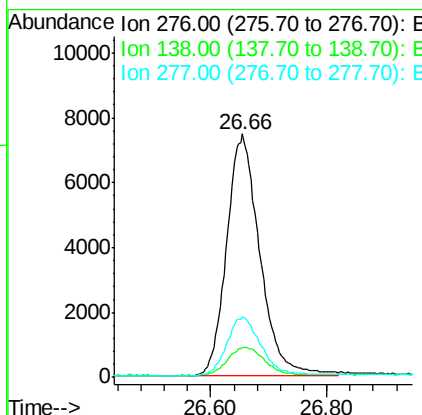
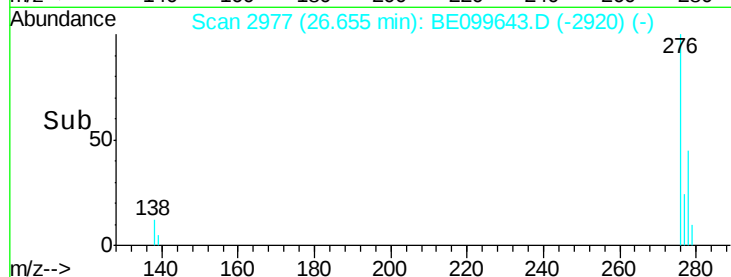
FEBH-01MS



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 29395 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 13.2  | 10.0  | 15.0  |
| 277       | 24.3  | 19.1  | 28.7  |

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#34

Perylene-d12

Concen: 0.400 ng

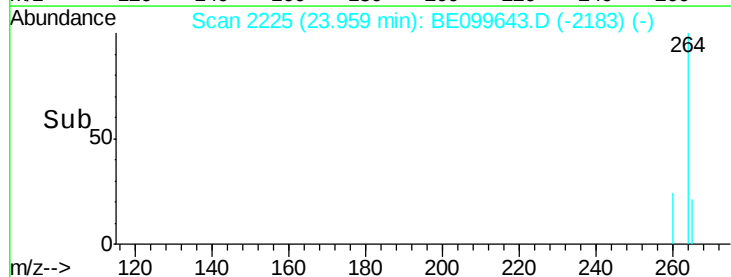
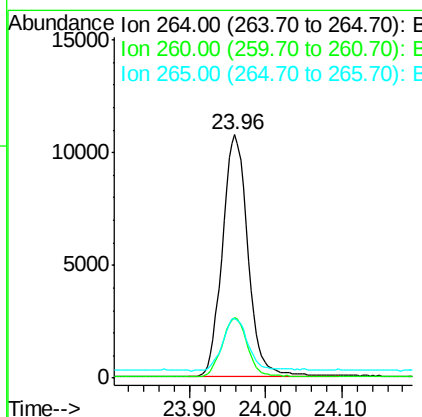
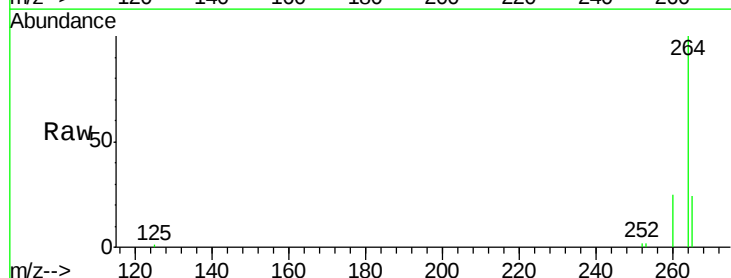
RT: 23.96 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 25099 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 24.7  | 19.7  | 29.5  |
| 265       | 24.4  | 21.2  | 31.8  |





#35

Benzo(b)fluoranthene

Concen: 0.362 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

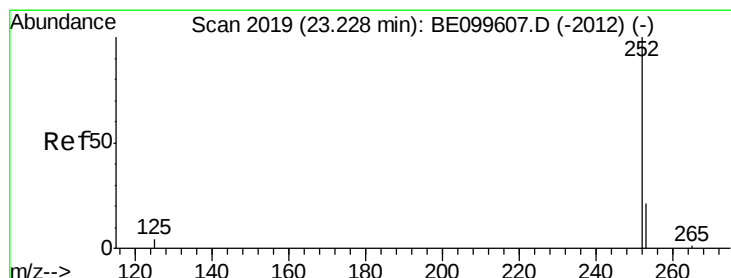
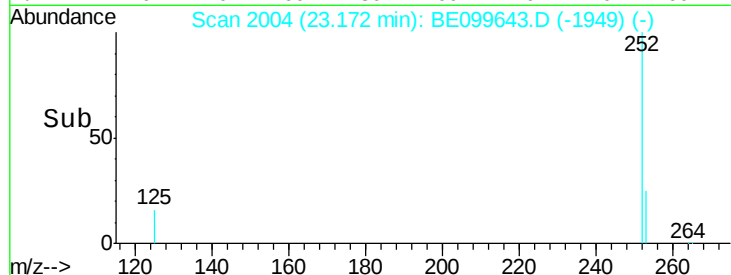
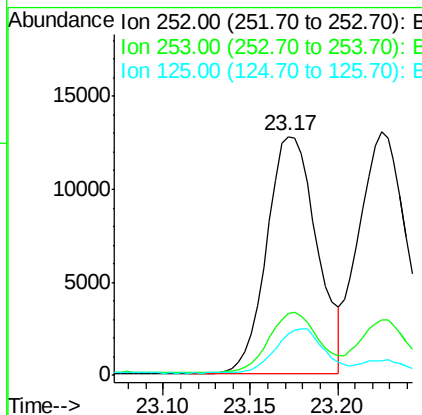
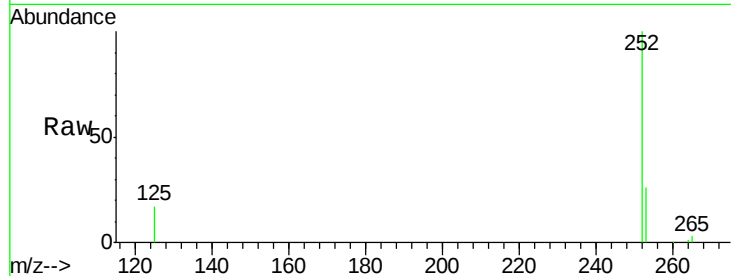
ClientSampleId :

FEBH-01MS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 25423 |       |       |
| 253     | 26.0  | 19.1  | 28.7  |       |
| 125     | 17.1  | 7.8   | 11.8  |       |

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#36

Benzo(k)fluoranthene

Concen: 0.370 ng

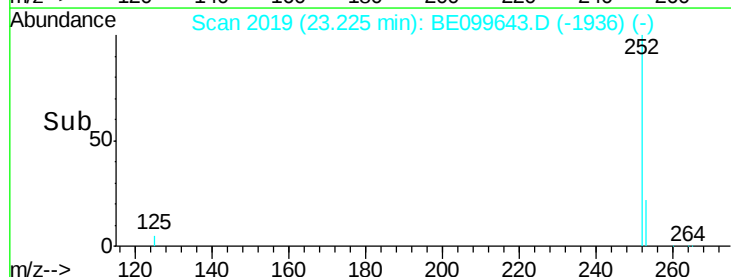
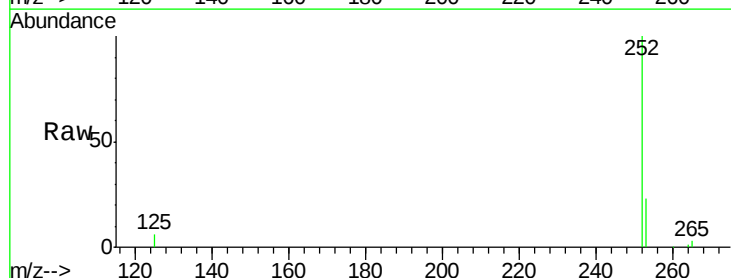
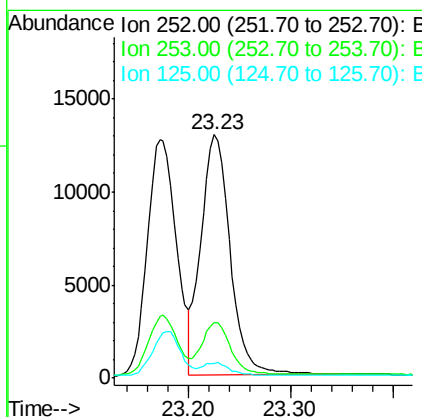
RT: 23.23 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 25666 |       |       |
| 253     | 22.7  | 18.6  | 28.0  |       |
| 125     | 6.2   | 5.2   | 7.8   |       |





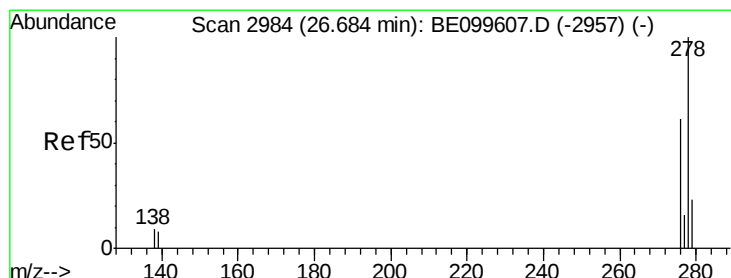
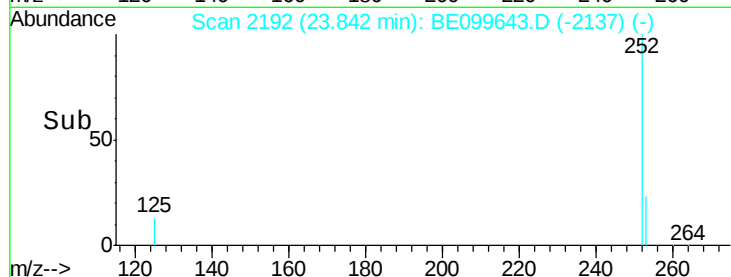
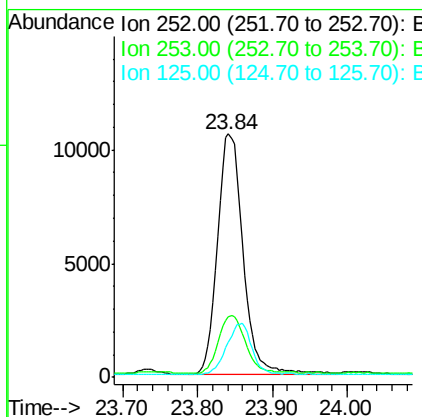
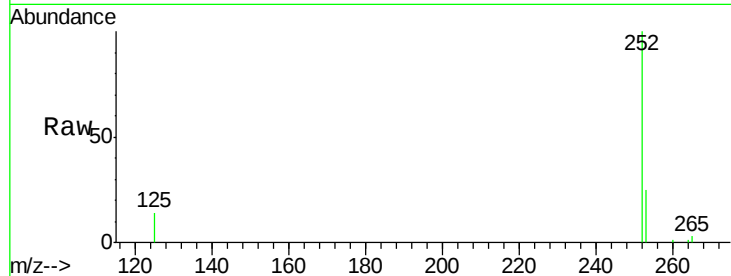
#37  
Benzo(a)pyrene  
Concen: 0.373 ng  
RT: 23.84 min Scan# 2192  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

Instrument :  
BNA\_E  
ClientSampleId :  
FEBH-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 19.0  | 28.6  |
| 125     | 14.3  | 8.8   | 13.2  |

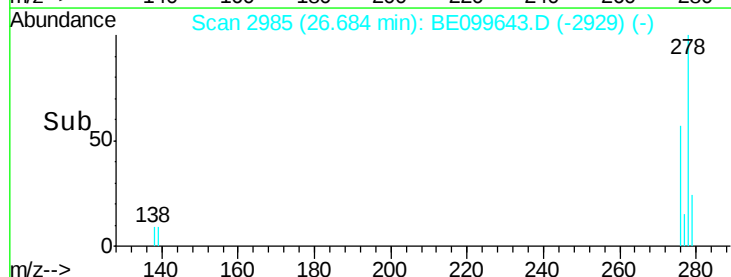
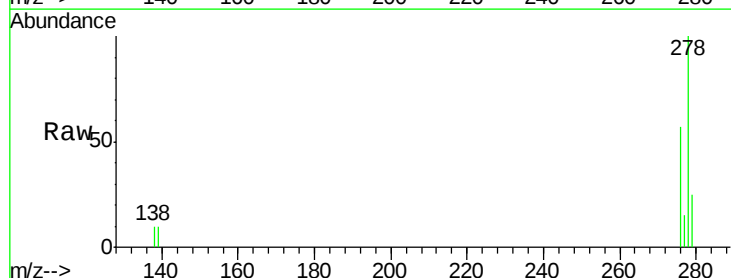
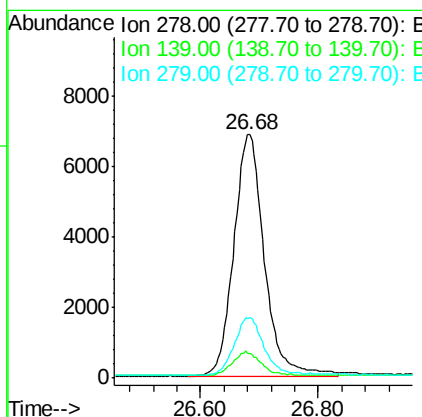
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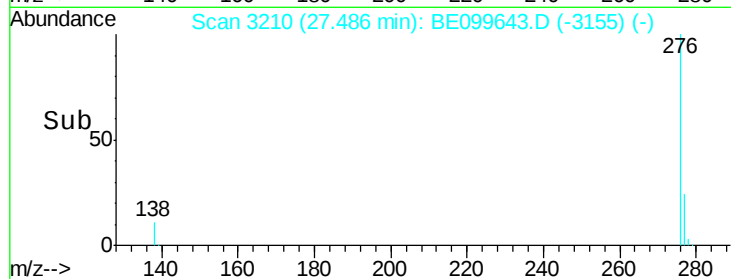
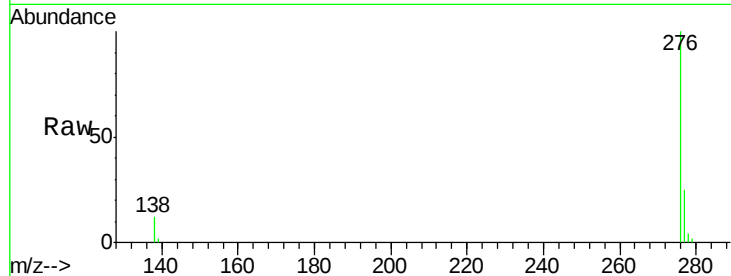
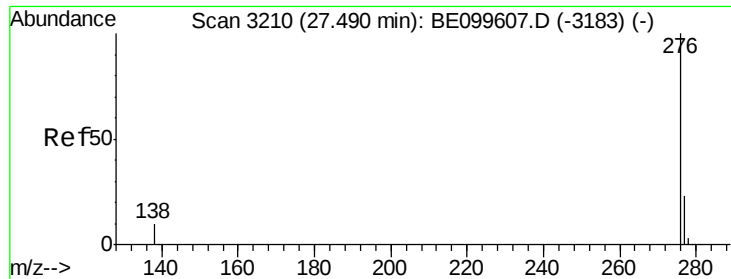
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.350 ng  
RT: 26.68 min Scan# 2985  
Delta R.T. -0.00 min  
Lab File: BE099643.D  
Acq: 17 May 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.0  | 7.9   | 11.9  |
| 279     | 25.0  | 19.5  | 29.3  |





#39

Benzo(g,h,i)perylene

Concen: 0.354 ng

RT: 27.49 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA\_E

ClientSampleId :

FEBH-01MS

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 276  | Resp: | 25108 |
| Ion Ratio |      | Lower | Upper |
| 276       | 100  |       |       |
| 277       | 24.6 | 19.3  | 28.9  |
| 138       | 11.8 | 9.1   | 13.7  |

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