

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012120\  
 Data File : BE101108.D  
 Acq On : 21 Jan 2020 14:06  
 Operator : CG/JU  
 Sample : L1179-03MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-MW-16MS

Manual Integrations  
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Quant Time: Jan 22 10:22:04 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 08 18:36:25 2020  
 Response via : Initial Calibration

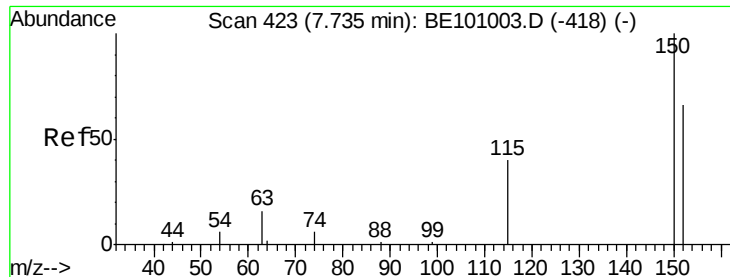
| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 207      | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.50 | 136  | 1715     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.36 | 164  | 3982     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.08 | 188  | 11231    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.27 | 240  | 23330    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.69 | 264  | 29016    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.33  | 112 | 676   | 1.45 | ng | 0.00  |
| 5) Phenol-d6                | 6.90  | 99  | 345   | 0.59 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.86  | 82  | 320   | 0.26 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.09 | 152 | 1344m | 0.41 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330 | 801   | 0.71 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.97 | 172 | 2179  | 0.14 | ng | -0.03 |
| 25) Fluoranthene-d10        | 19.15 | 212 | 73777 | 0.47 | ng | 0.01  |
| 29) Terphenyl-d14           | 19.73 | 244 | 18135 | 0.32 | ng | -0.01 |

|                                |       |     |         |         |    |      |
|--------------------------------|-------|-----|---------|---------|----|------|
| Target Compounds               |       |     |         | Qvalue  |    |      |
| 2) 1,4-Dioxane                 | 3.28  | 88  | 138     | 0.221   | ng | # 13 |
| 9) Naphthalene                 | 10.54 | 128 | 8658167 | 454.670 | ng | 100  |
| 10) Hexachlorobutadiene        | 10.83 | 225 | 170     | 0.211   | ng | 94   |
| 12) 2-Methylnaphthalene        | 12.17 | 142 | 43119   | 14.969  | ng | 97   |
| 16) Acenaphthylene             | 14.07 | 152 | 13746   | 0.848   | ng | # 86 |
| 17) Acenaphthene               | 14.41 | 154 | 12674   | 1.092   | ng | 86   |
| 18) Fluorene                   | 15.39 | 166 | 54257   | 3.698   | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.28 | 248 | 1418    | 0.259   | ng | # 1  |
| 21) Hexachlorobenzene          | 16.40 | 284 | 1230    | 0.205   | ng | # 46 |
| 22) Pentachlorophenol          | 16.76 | 266 | 1731    | 1.073   | ng | 92   |
| 23) Phenanthrene               | 17.12 | 178 | 76528   | 2.495   | ng | 97   |
| 24) Anthracene                 | 17.21 | 178 | 19727m  | 0.682   | ng |      |
| 26) Fluoranthene               | 19.17 | 202 | 34059   | 0.887   | ng | 97   |
| 28) Pyrene                     | 19.52 | 202 | 32635   | 0.376   | ng | # 92 |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 29626   | 0.445   | ng | 97   |
| 31) Chrysene                   | 21.31 | 228 | 28785   | 0.291   | ng | 95   |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 105426  | 0.950   | ng | # 97 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.25 | 276 | 25095   | 0.321   | ng | # 93 |
| 35) Benzo(b)fluoranthene       | 22.95 | 252 | 29974   | 0.368   | ng | # 94 |
| 36) Benzo(k)fluoranthene       | 23.00 | 252 | 32112   | 0.272   | ng | # 86 |
| 37) Benzo(a)pyrene             | 23.58 | 252 | 28272   | 0.359   | ng | 96   |
| 38) Dibenzo(a,h)anthracene     | 26.26 | 278 | 19830   | 0.274   | ng | # 95 |
| 39) Benzo(g,h,i)perylene       | 27.02 | 276 | 21044   | 0.236   | ng | 97   |

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





#1

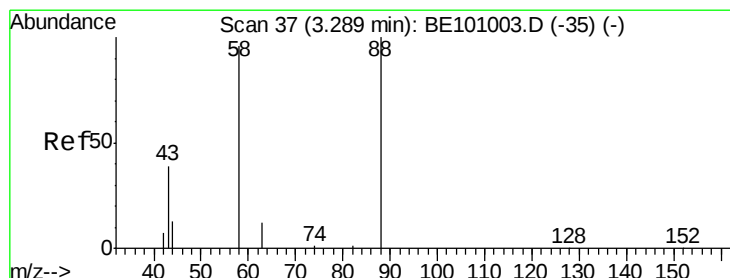
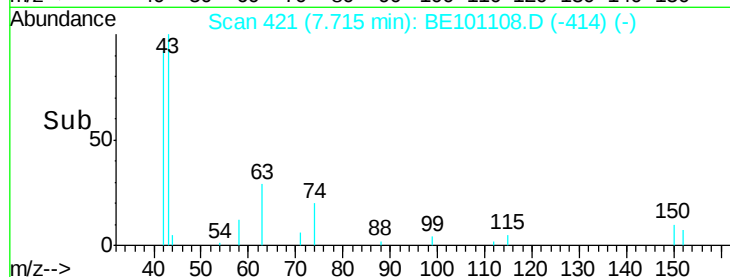
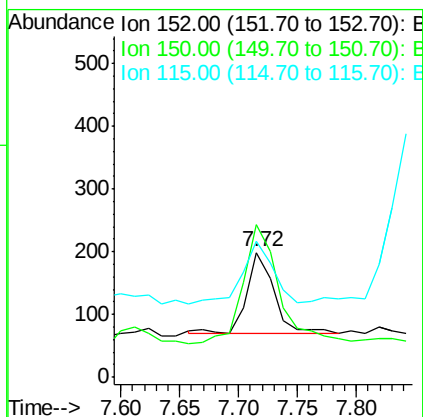
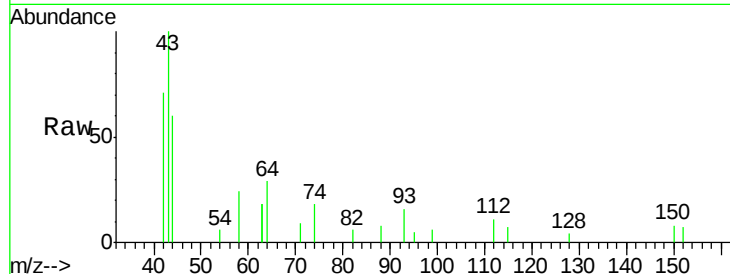
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.72 min Scan# 421  
Delta R.T. -0.02 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 122.1 | 120.3 | 180.5 |
| 115     | 108.5 | 51.7  | 77.5  |

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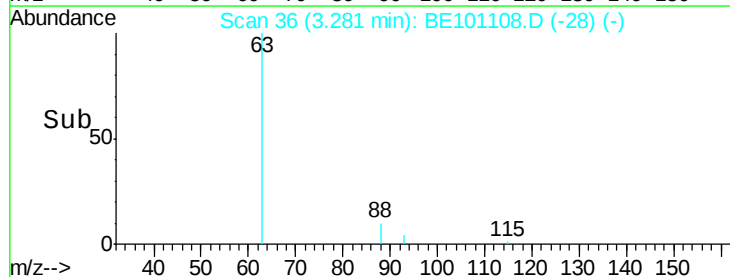
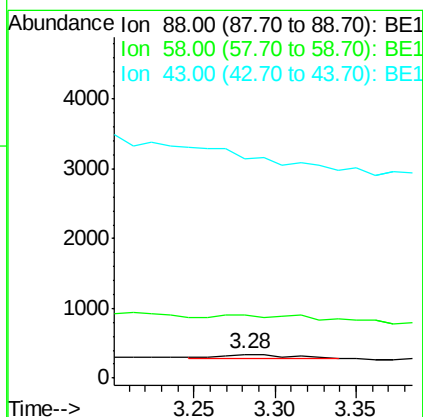
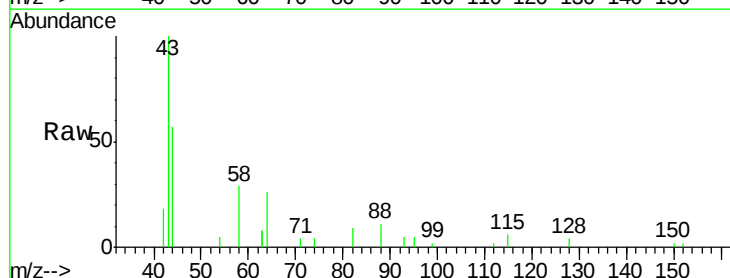
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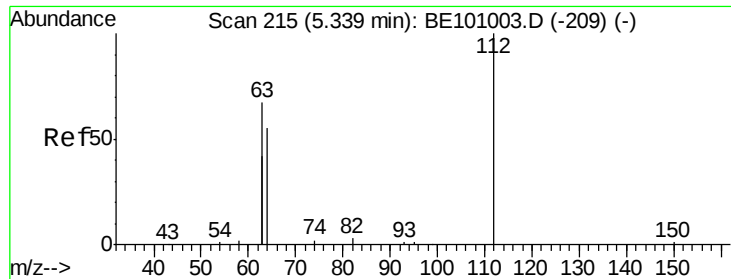


#2

1,4-Dioxane  
Concen: 0.221 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 146.4 | 53.0  | 79.4  |
| 43      | 0.0   | 23.4  | 35.2  |





#4

2-Fluorophenol

Concen: 1.451 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

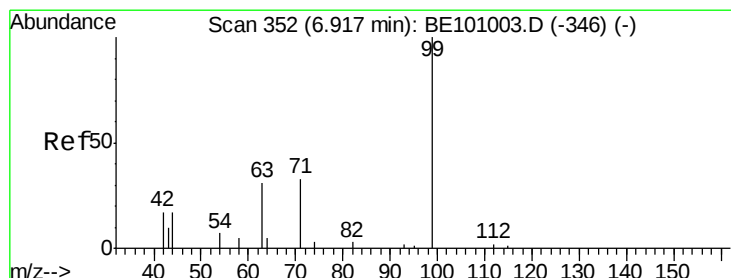
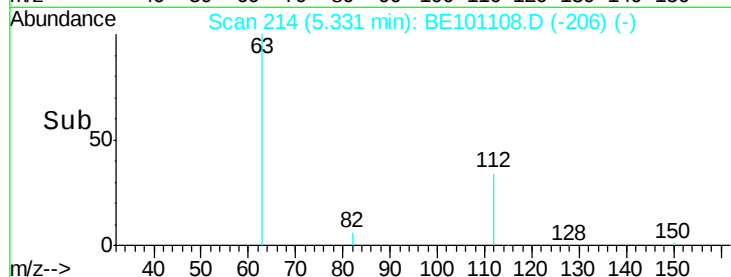
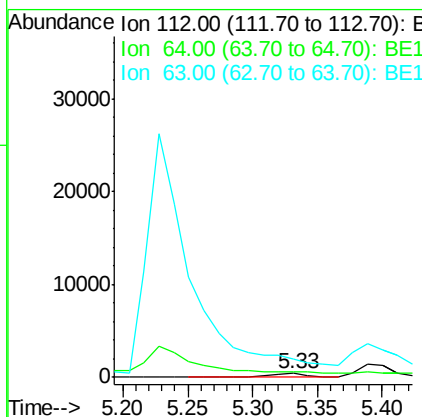
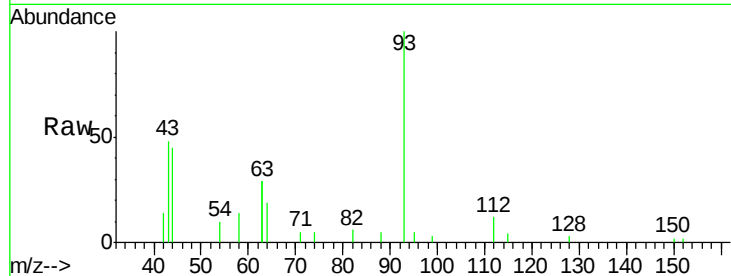
ClientSampleId :

SB-MW-16MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 676    |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 0.0   | 53.6  | 80.4#  |
| 63        | 0.0   | 114.6 | 172.0# |

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#5

Phenol-d6

Concen: 0.585 ng

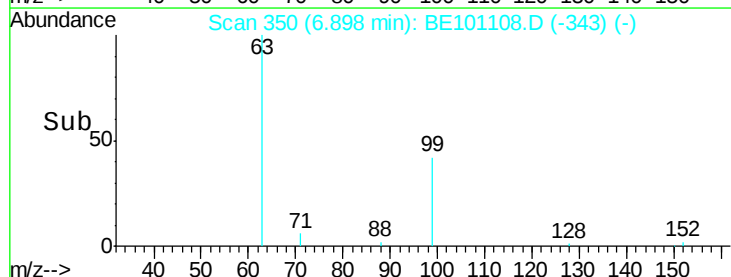
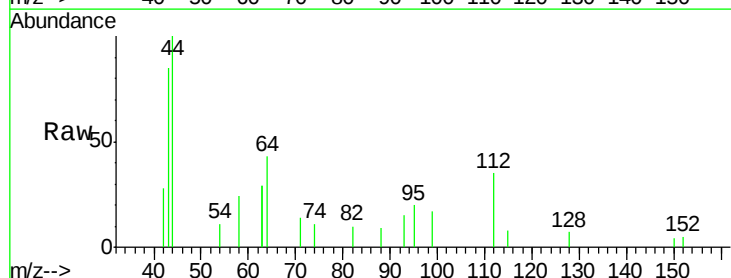
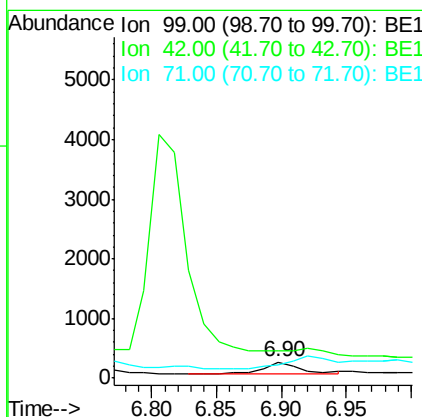
RT: 6.90 min Scan# 350

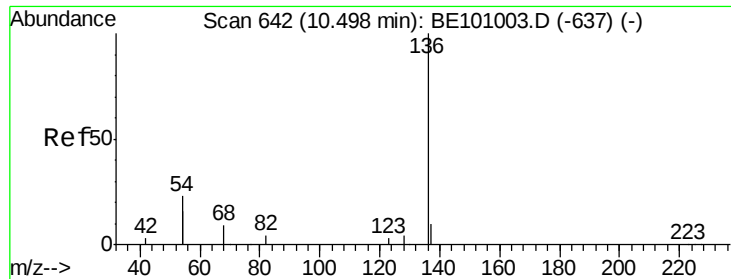
Delta R.T. -0.02 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 345   |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 18.3  | 27.5# |
| 71        | 0.0   | 28.0  | 42.0# |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

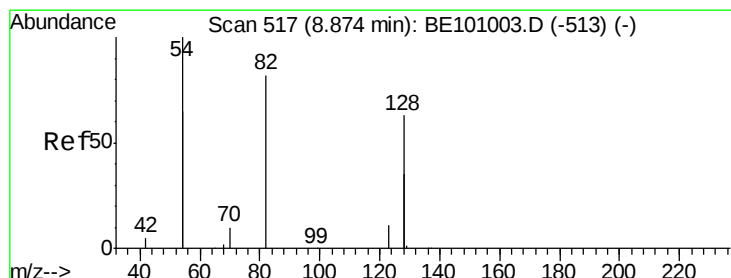
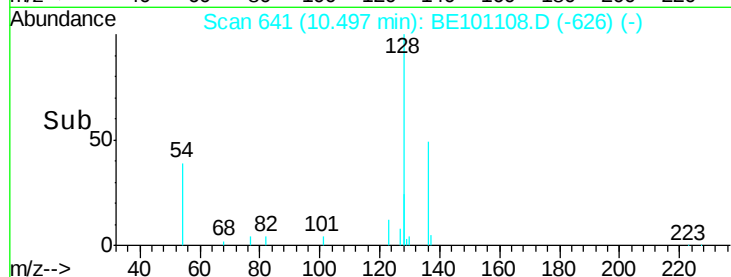
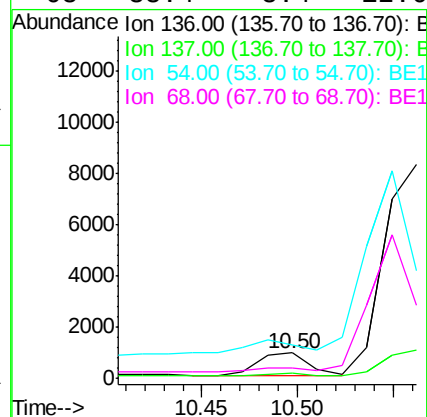
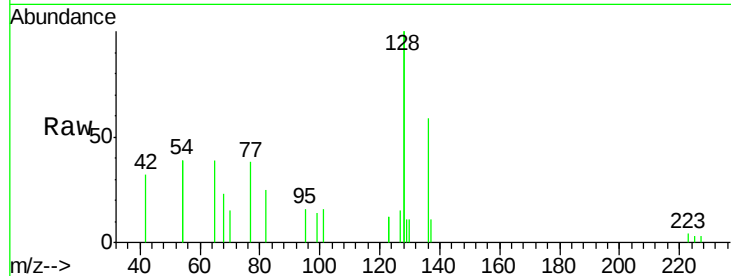
ClientSampleId :

SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 18.5  | 9.3   | 13.9# |
| 54      | 131.3 | 36.8  | 55.2# |
| 68      | 38.4  | 8.4   | 12.6# |

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#8

Nitrobenzene-d5

Concen: 0.261 ng

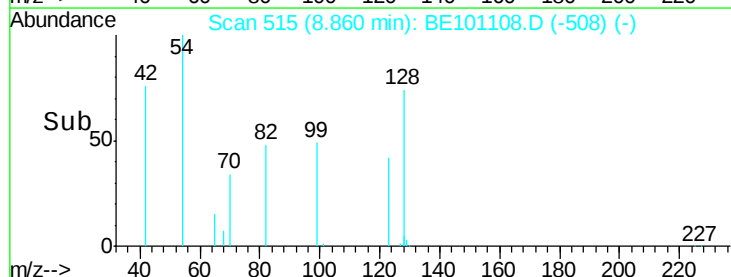
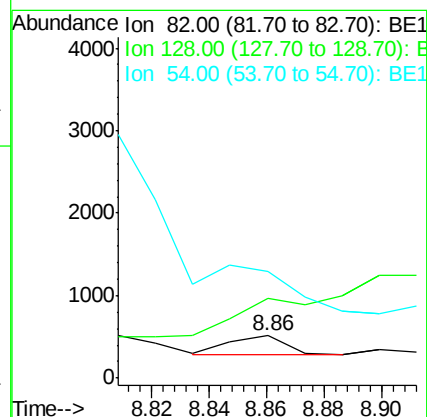
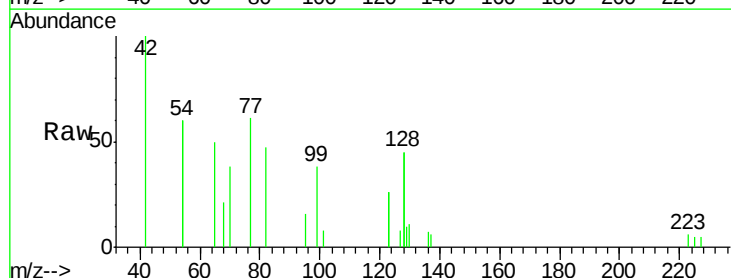
RT: 8.86 min Scan# 515

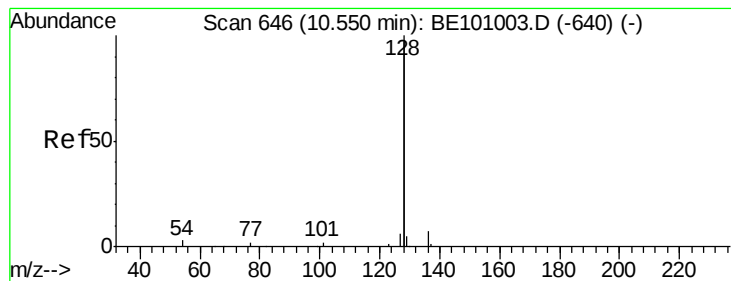
Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 82      | 100   |       |        |
| 128     | 188.6 | 109.8 | 164.6# |
| 54      | 254.9 | 174.5 | 261.7  |





#9

Naphthalene

Concen: 454.670 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

ClientSampleId :

SB-MW-16MS

Tot Ion:128 Resp: 8658167

Ion Ratio Lower Upper

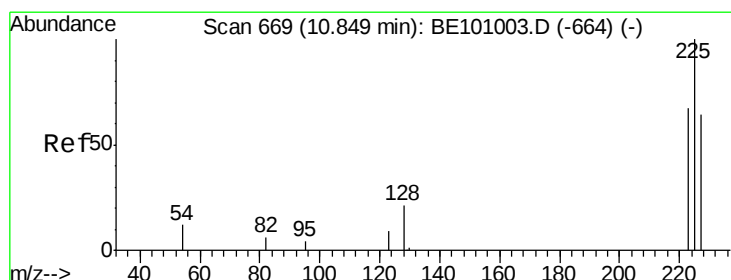
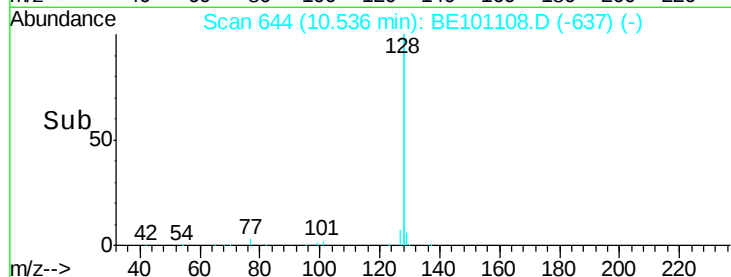
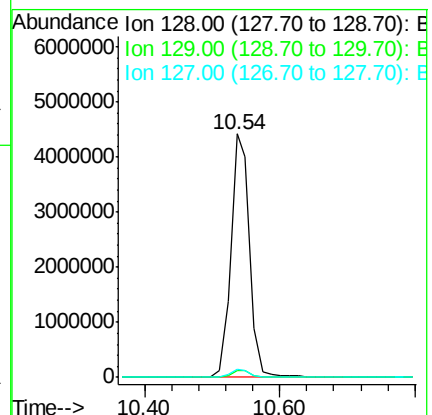
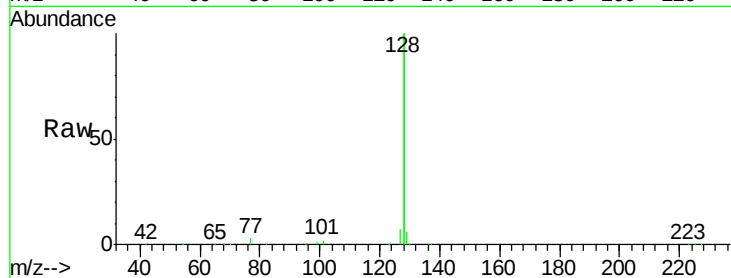
128 100

129 2.8 2.3 3.5

127 3.5 2.7 4.1

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#10

Hexachlorobutadiene

Concen: 0.211 ng

RT: 10.83 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

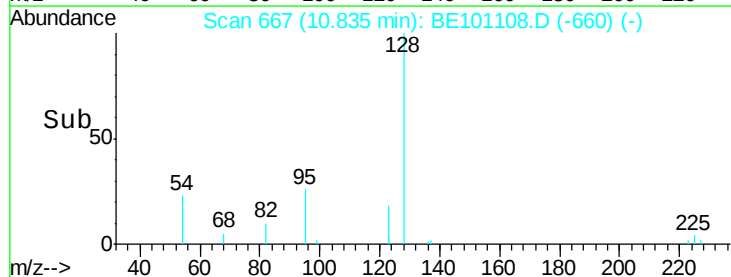
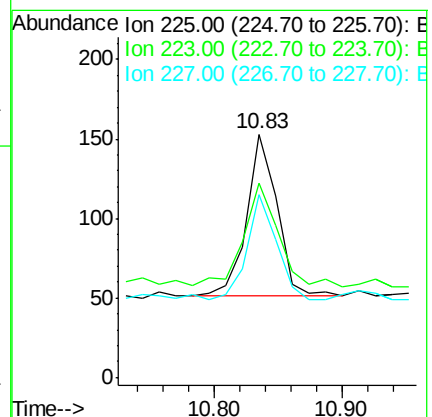
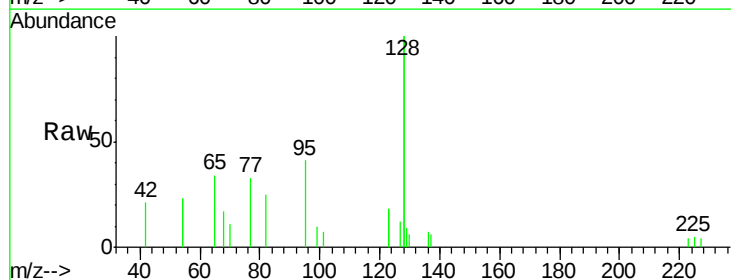
Tgt Ion:225 Resp: 170

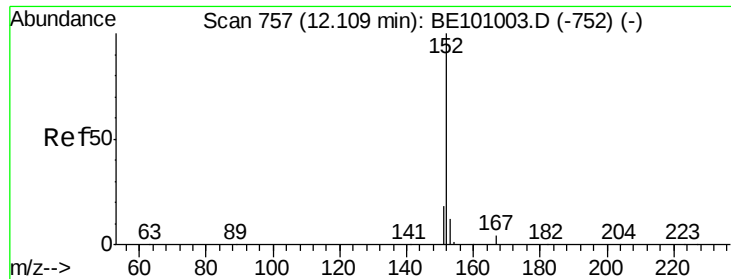
Ion Ratio Lower Upper

225 100

223 73.5 52.2 78.4

227 61.2 49.9 74.9





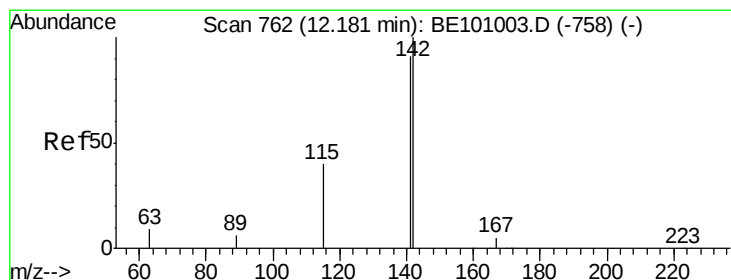
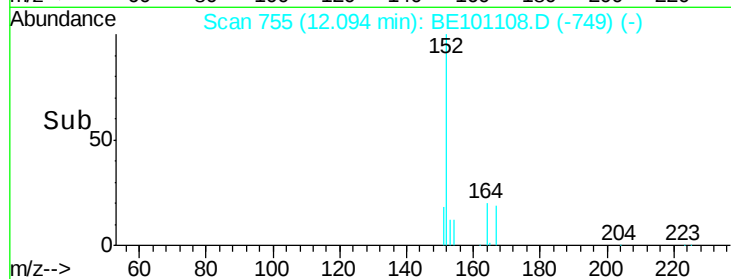
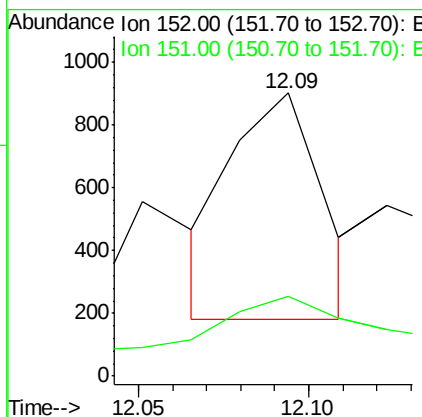
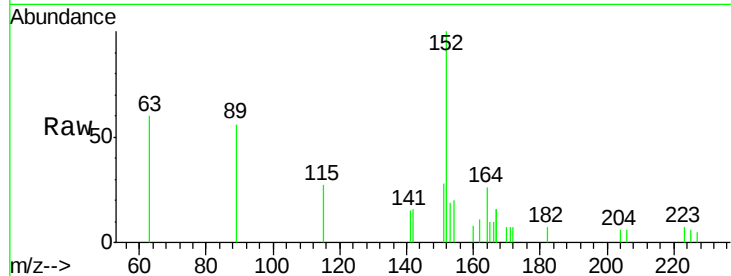
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2-Methylnaphthalene-d10  
Concen: 0.411 ng m  
RT: 12.09 min Scan# 755  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

Tot Ion:152 Resp: 1344  
Ion Ratio Lower Upper  
152 100  
151 36.2 15.0 22.6#

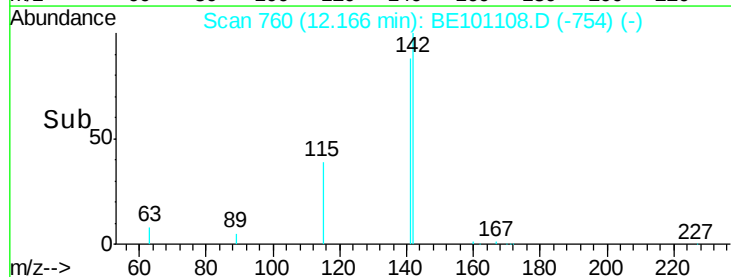
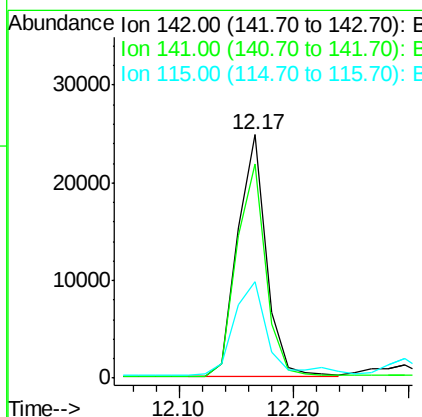
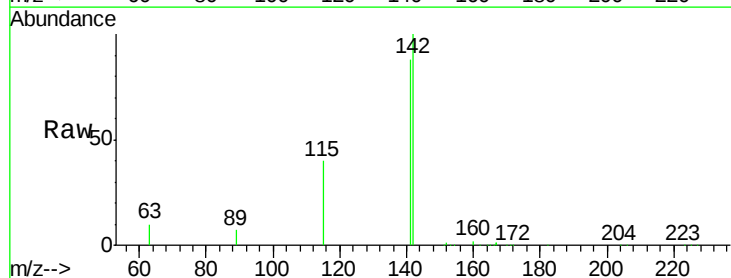
Manual Integrations  
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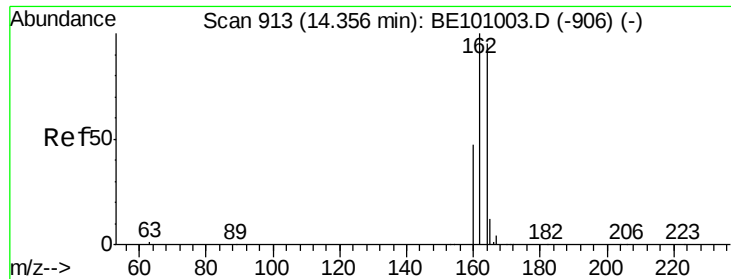
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1/22/2020 1:35:29 PM



#12  
2-Methylnaphthalene  
Concen: 14.969 ng  
RT: 12.17 min Scan# 760  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Tgt Ion:142 Resp: 43119  
Ion Ratio Lower Upper  
142 100  
141 87.9 72.5 108.7  
115 39.5 33.0 49.6





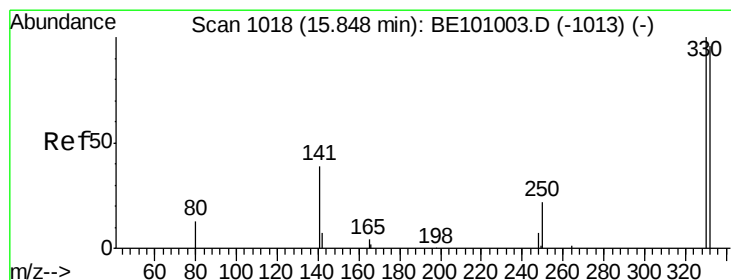
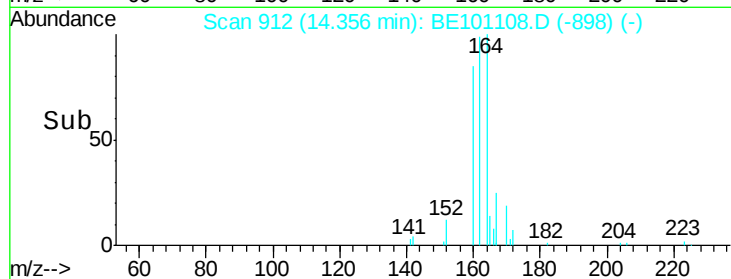
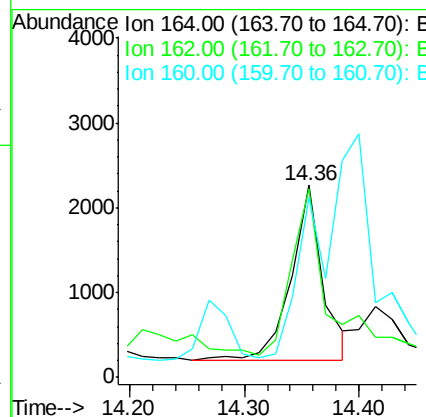
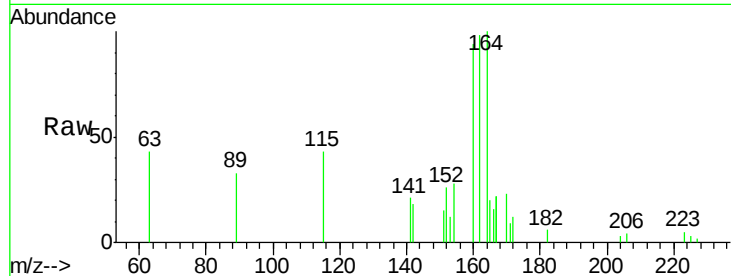
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Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.36 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.1  | 84.1  | 126.1 |
| 160     | 93.6  | 40.4  | 60.6  |

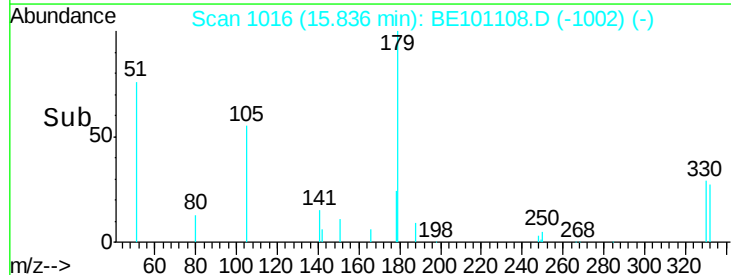
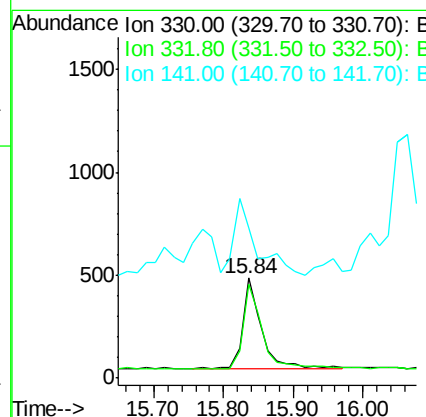
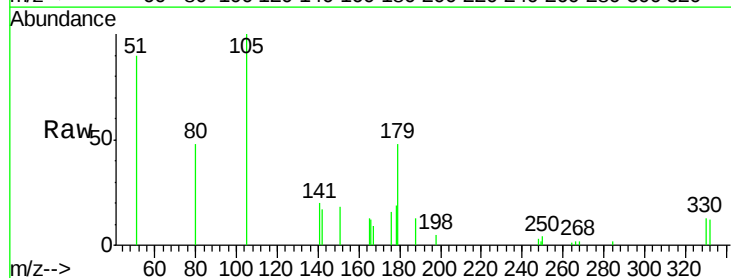
Manual Integrations  
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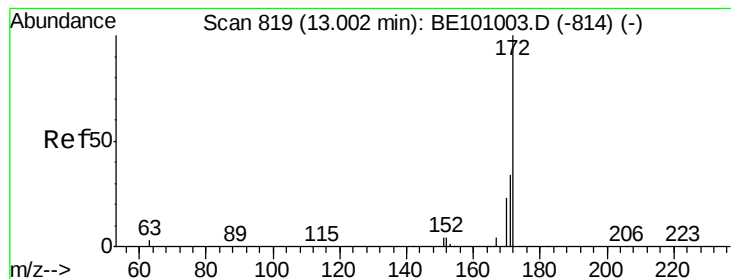
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#14  
2,4,6-Tribromophenol  
Concen: 0.713 ng  
RT: 15.84 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 78.4  | 117.6 |
| 141     | 104.5 | 37.0  | 55.4  |





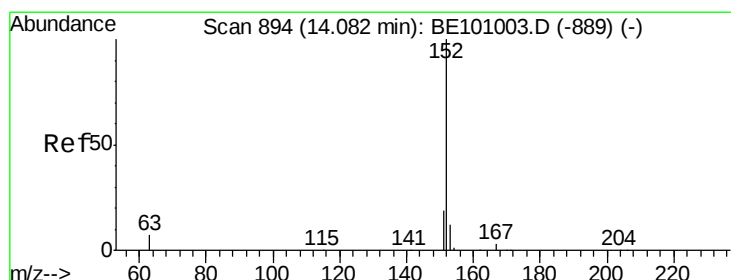
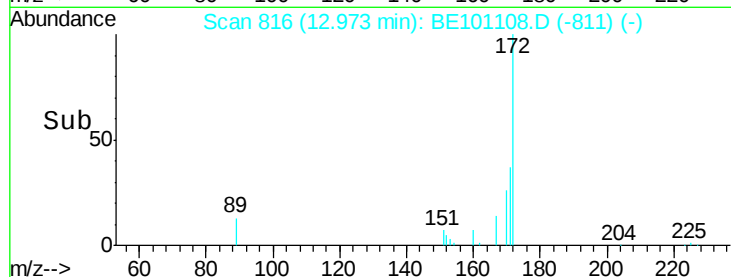
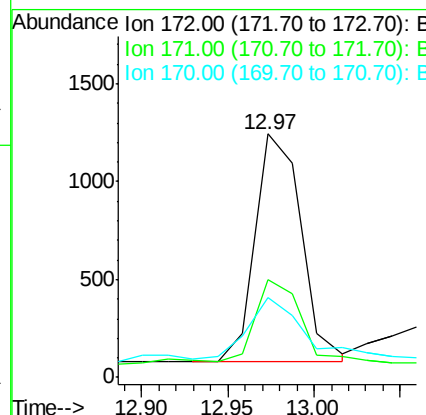
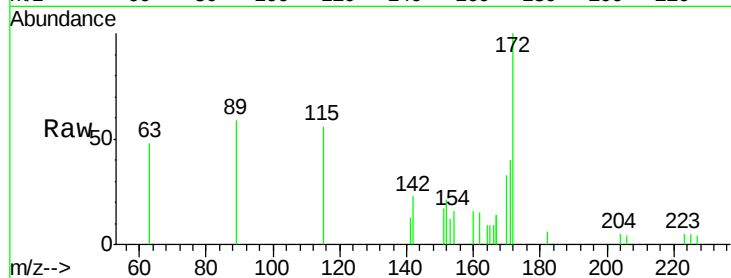
#15  
2-Fluorobiphenyl  
Concen: 0.144 ng  
RT: 12.97 min Scan# 816  
Delta R.T. -0.03 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.2  | 28.2  | 42.2  |
| 170     | 33.0  | 18.9  | 28.3  |

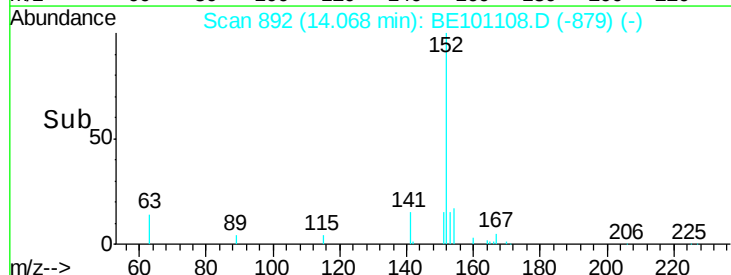
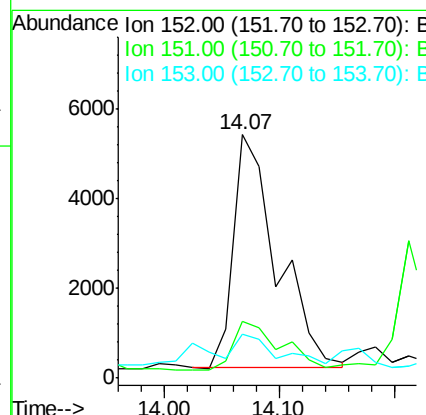
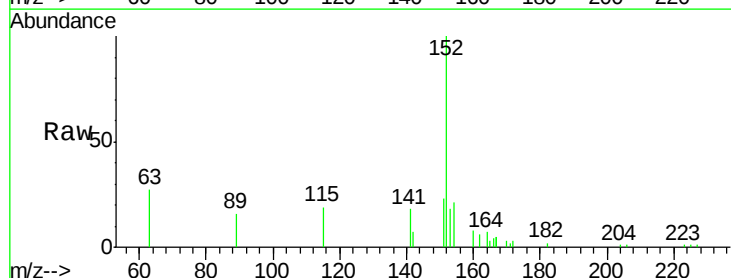
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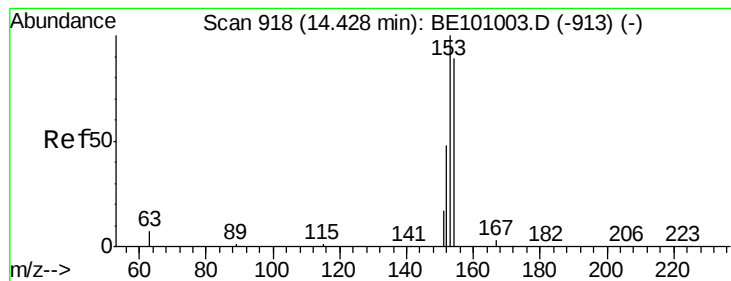
mohammad  
1/22/2020 1:35:29 PM



#16  
Acenaphthylene  
Concen: 0.848 ng  
RT: 14.07 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 23.7  | 15.5  | 23.3  |
| 153     | 21.0  | 10.4  | 15.6  |





#17

Acenaphthene

Concen: 1.092 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

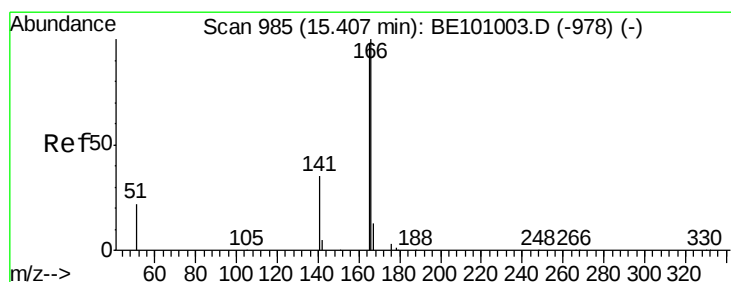
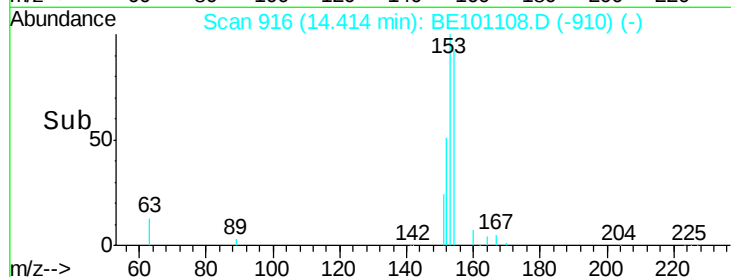
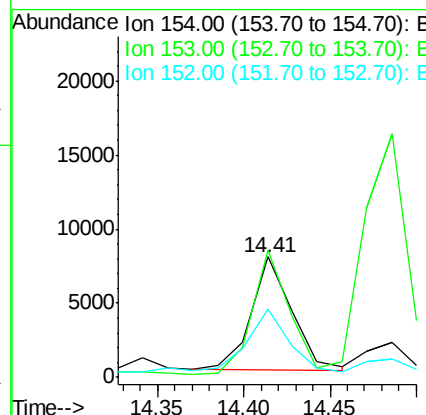
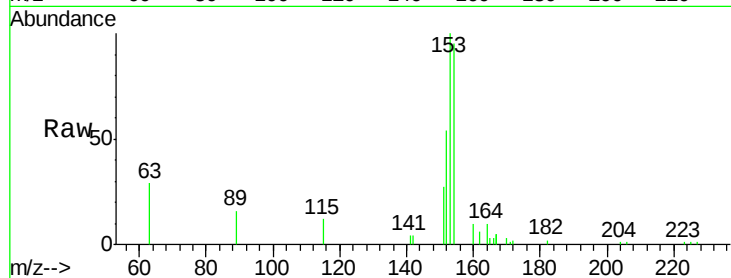
ClientSampleId :

SB-MW-16MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 12674 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 97.6  | 93.6  | 140.4 |
| 152       | 54.0  | 46.3  | 69.5  |

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#18

Fluorene

Concen: 3.698 ng

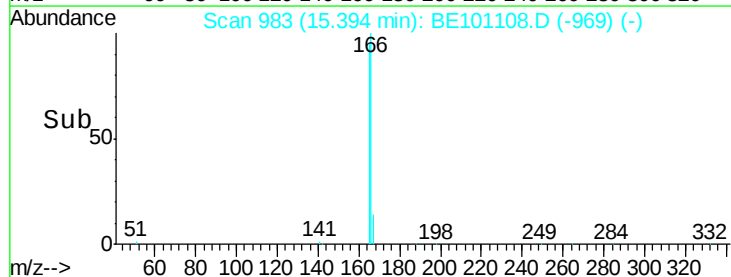
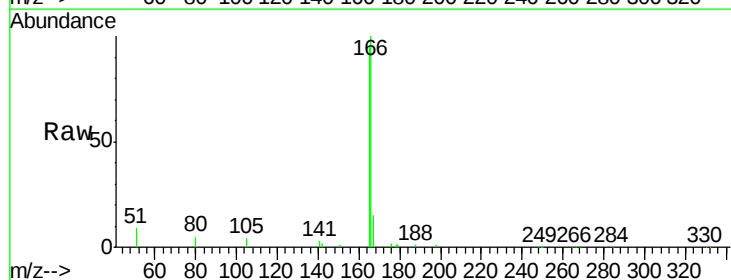
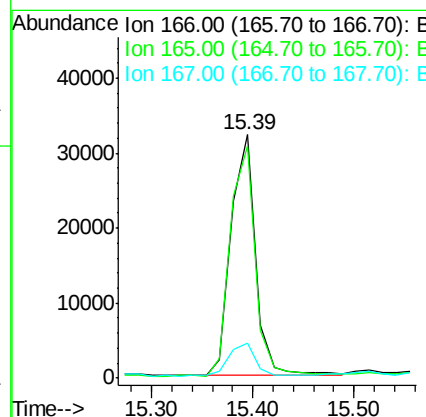
RT: 15.39 min Scan# 983

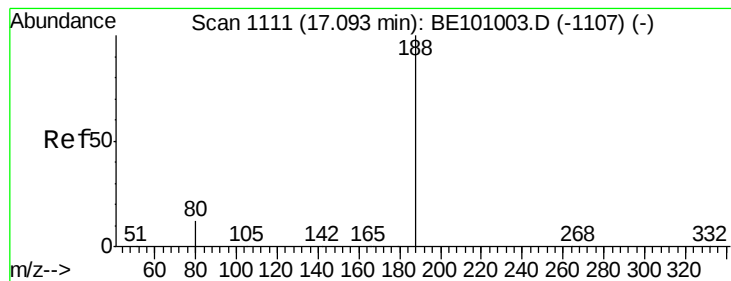
Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 54257 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 98.2  | 79.8  | 119.8 |
| 167       | 14.5  | 11.0  | 16.6  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

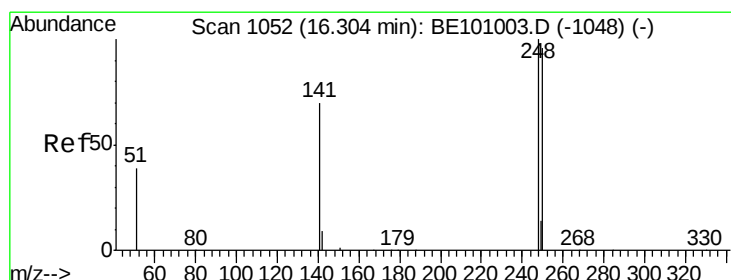
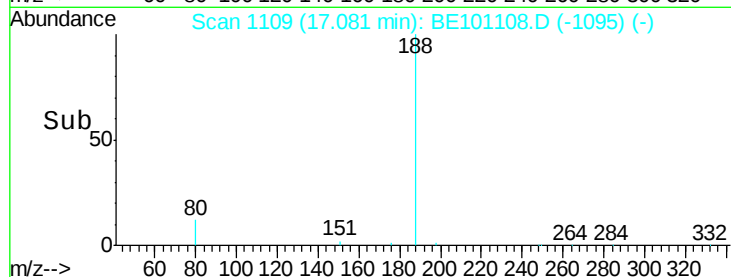
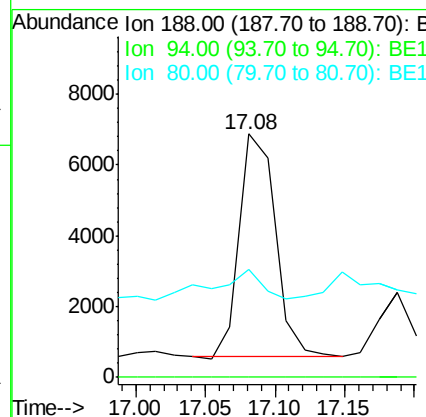
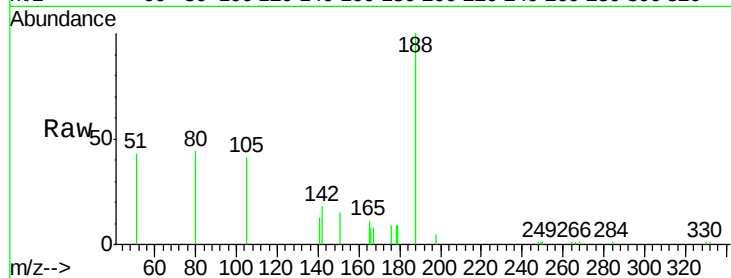
ClientSampleId :

SB-MW-16MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 11231 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 44.4  | 10.8  | 16.2# |

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#20

4-Bromophenyl-phenylether

Concen: 0.259 ng

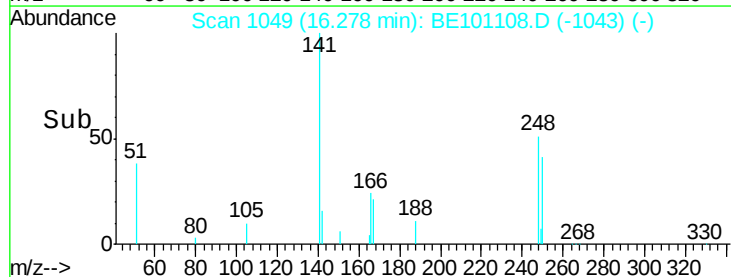
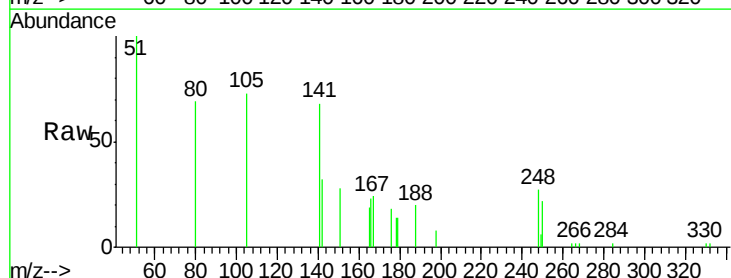
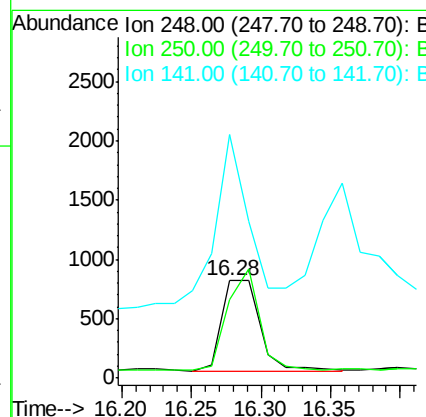
RT: 16.28 min Scan# 1049

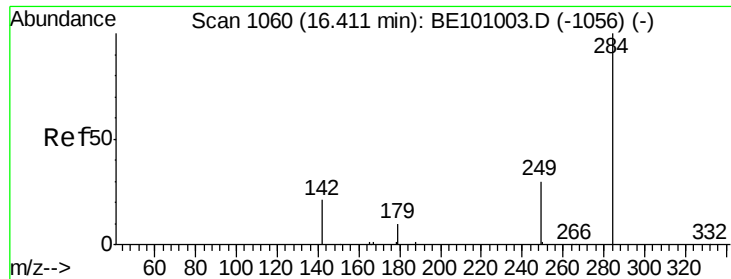
Delta R.T. -0.03 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 1418  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 80.8  | 76.6  | 115.0 |
| 141       | 250.7 | 57.7  | 86.5# |





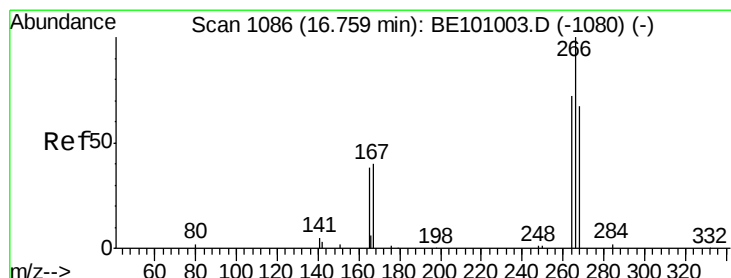
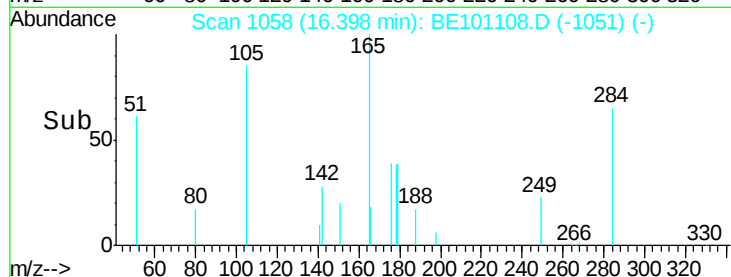
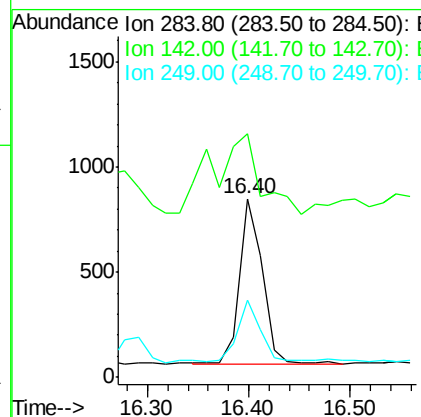
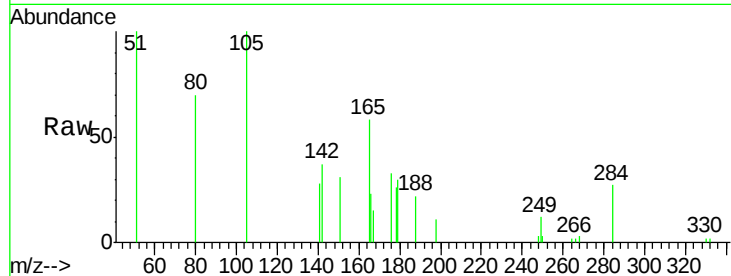
#21  
Hexachlorobenzene  
Concen: 0.205 ng  
RT: 16.40 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 103.3 | 34.0  | 51.0# |
| 249     | 37.6  | 28.2  | 42.4  |

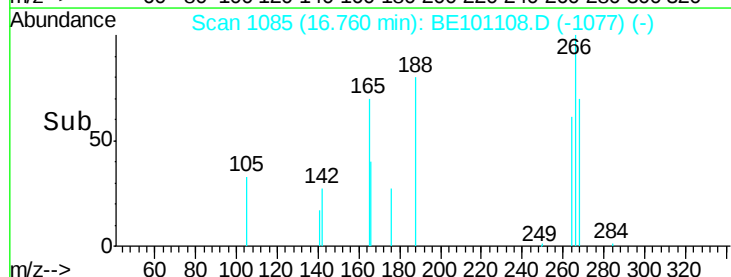
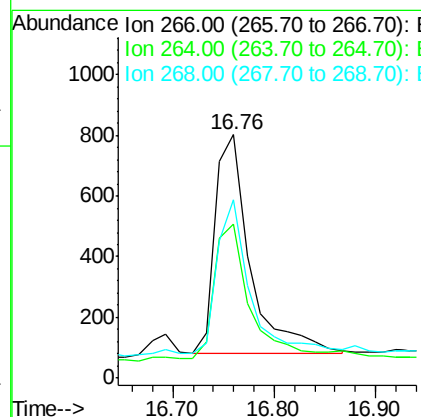
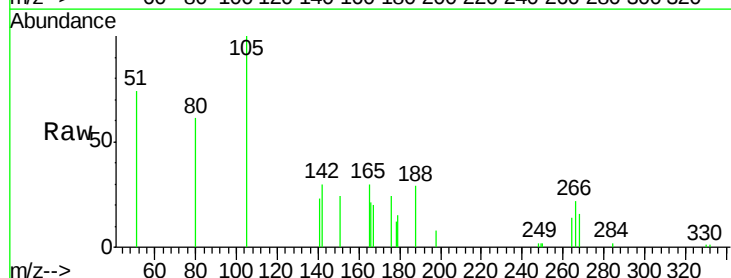
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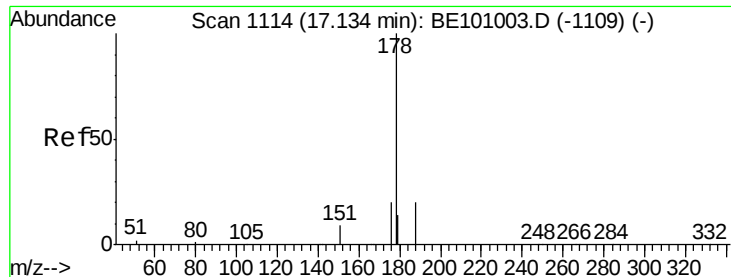
mohammad  
1/22/2020 1:35:29 PM



#22  
Pentachlorophenol  
Concen: 1.073 ng  
RT: 16.76 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.3  | 61.0  | 91.4  |
| 268     | 73.1  | 58.5  | 87.7  |





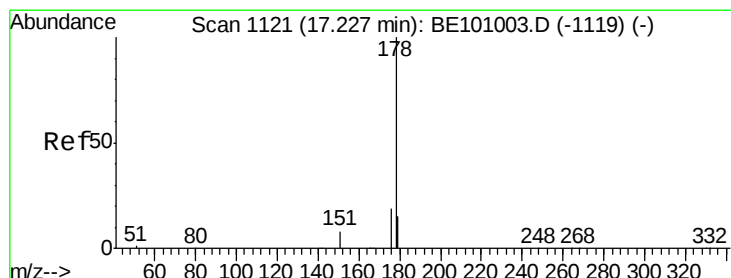
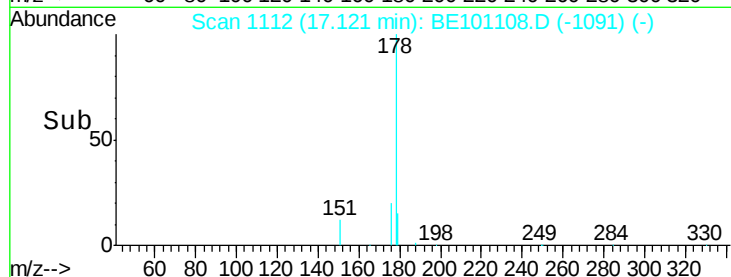
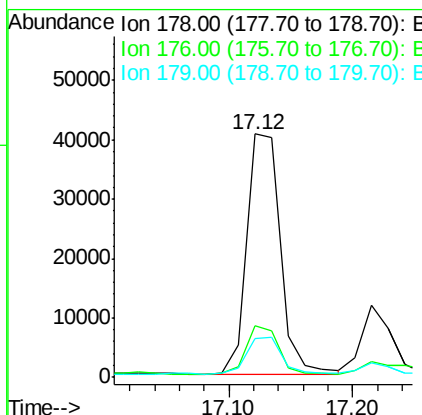
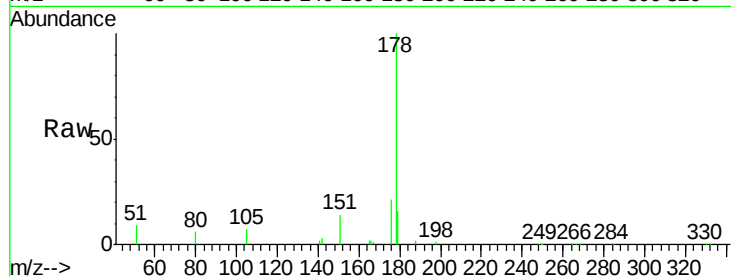
#23  
Phenanthrene  
Concen: 2.495 ng  
RT: 17.12 min Scan# 1112  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampled :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.7  | 23.5  |
| 179     | 17.0  | 12.0  | 18.0  |

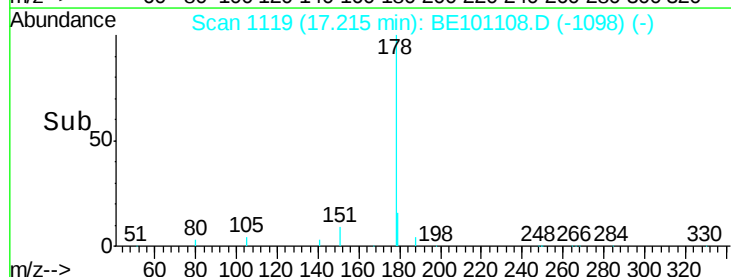
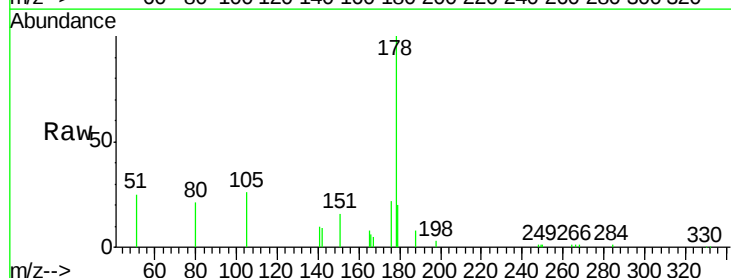
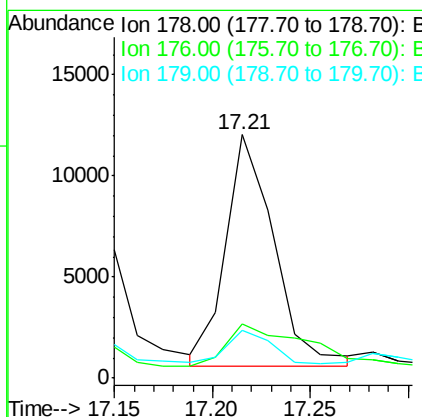
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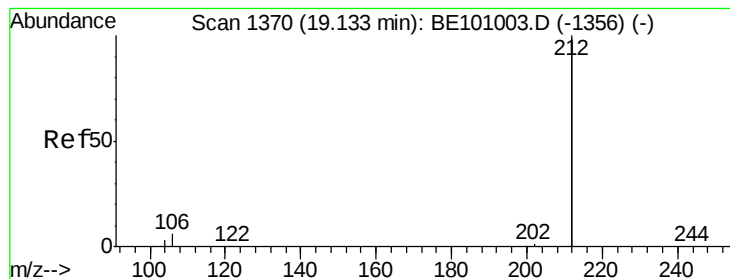
mohammad  
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#24  
Anthracene  
Concen: 0.682 ng m  
RT: 17.21 min Scan# 1119  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 73.6  | 14.8  | 22.2# |
| 179     | 65.8  | 12.4  | 18.6# |





#25

Fluoranthene-d10

Concen: 0.473 ng

RT: 19.15 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

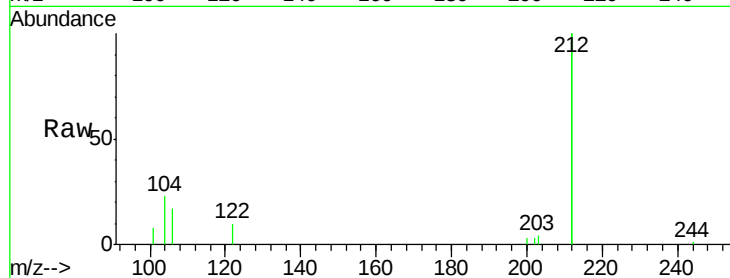
ClientSampleId :

SB-MW-16MS

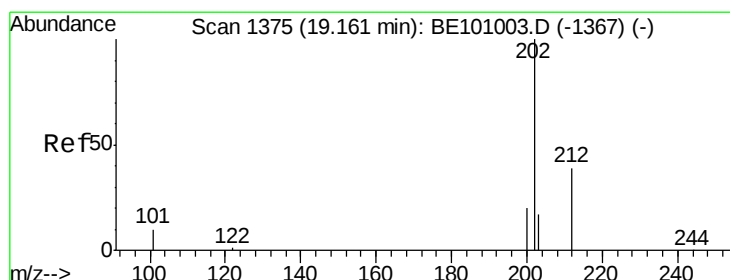
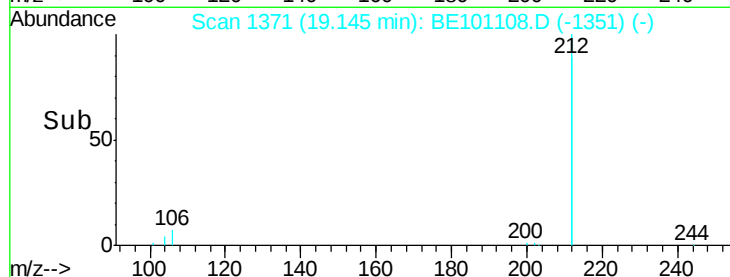
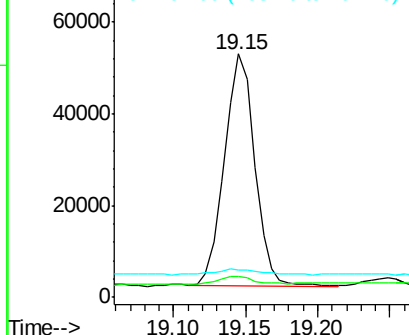
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 4.5   | 2.6   | 3.8#  |
| 104     | 3.2   | 1.4   | 2.0#  |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.887 ng

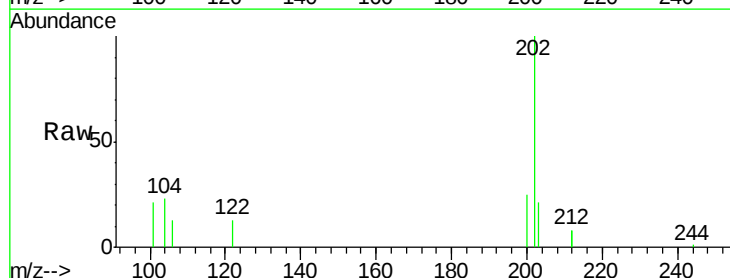
RT: 19.17 min Scan# 1376

Delta R.T. 0.01 min

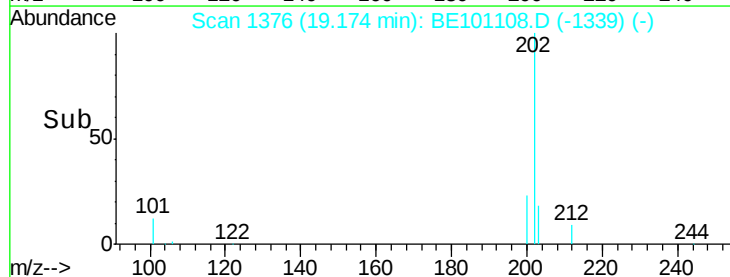
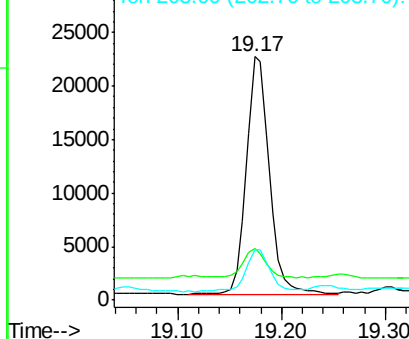
Lab File: BE101108.D

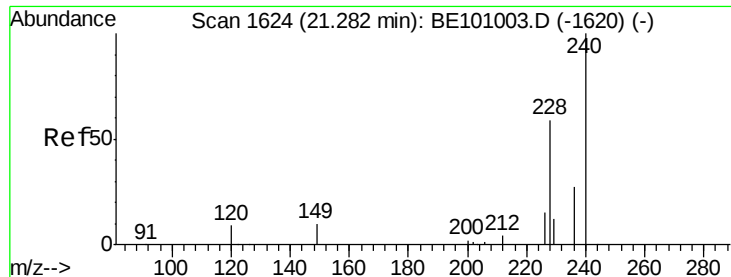
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.0  | 9.6   | 14.4  |
| 203     | 18.6  | 13.8  | 20.6  |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





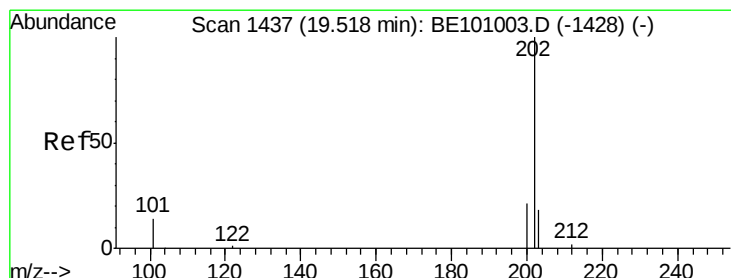
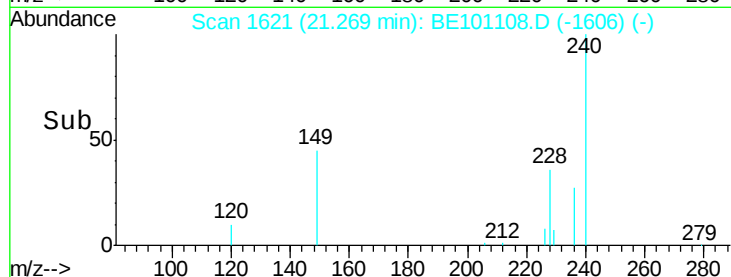
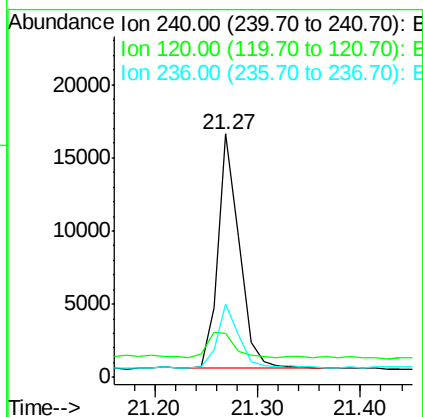
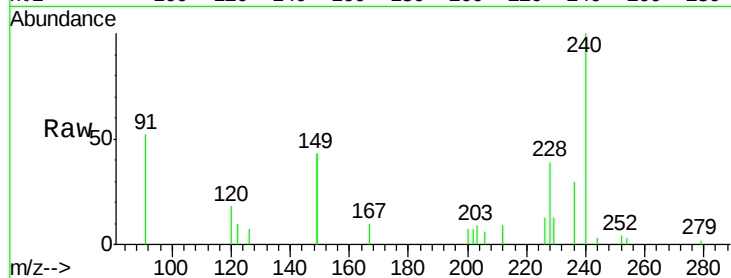
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.27 min Scan# 1621  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 18.3  | 8.6   | 13.0# |
| 236     | 30.2  | 22.2  | 33.4  |

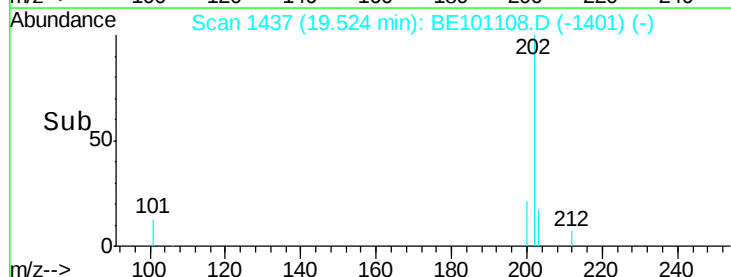
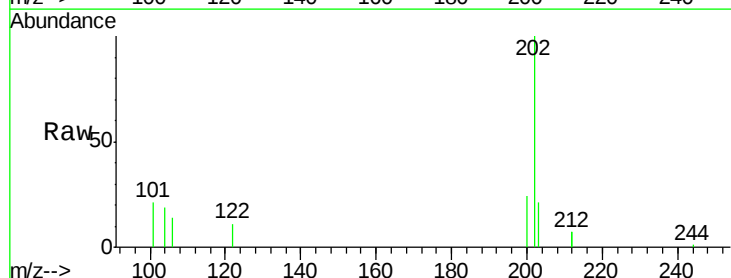
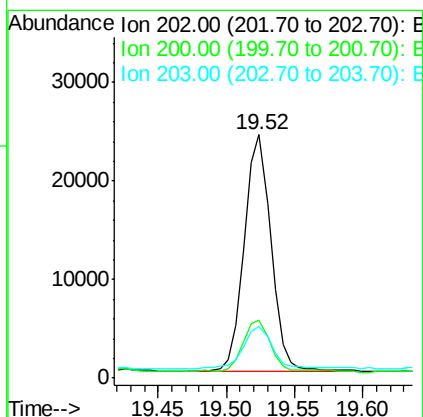
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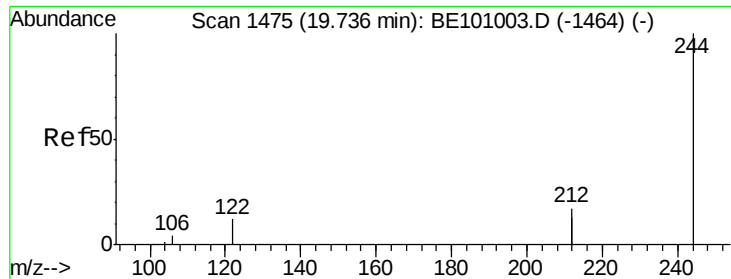
mohammad  
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#28  
Pyrene  
Concen: 0.376 ng  
RT: 19.52 min Scan# 1437  
Delta R.T. 0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 24.2  | 17.0  | 25.4  |
| 203     | 22.0  | 13.8  | 20.6# |





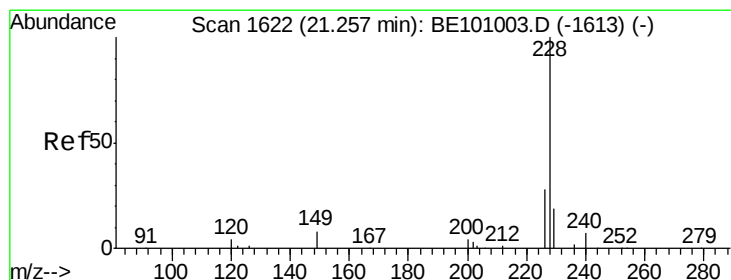
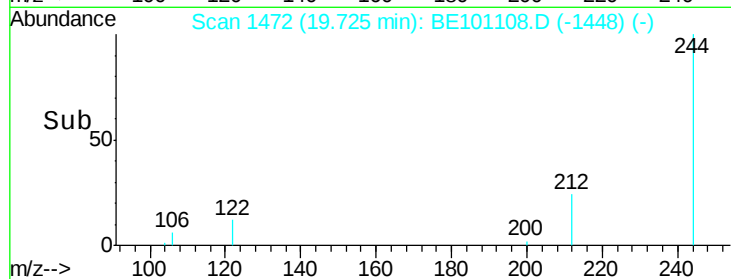
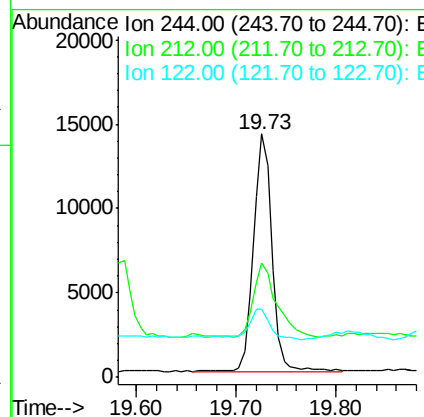
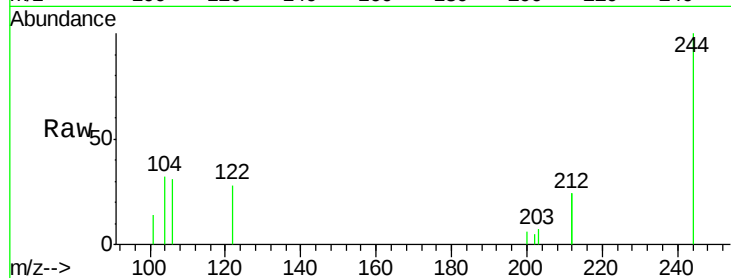
#29  
 Terphenyl-d14  
 Concen: 0.317 ng  
 RT: 19.73 min Scan# 1472  
 Delta R.T. -0.01 min  
 Lab File: BE101108.D  
 Acq: 21 Jan 2020 14:06

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 47.1  | 27.2  | 40.8# |
| 122     | 28.3  | 9.8   | 14.8# |

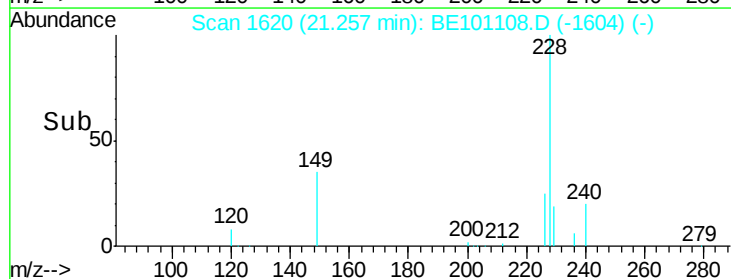
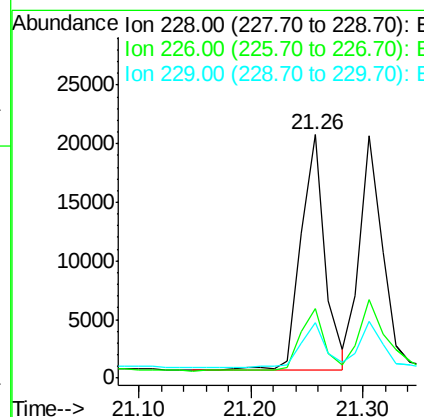
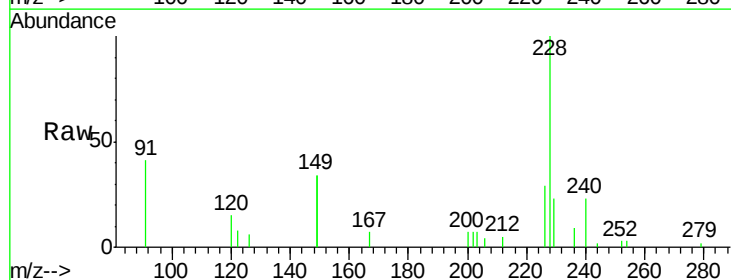
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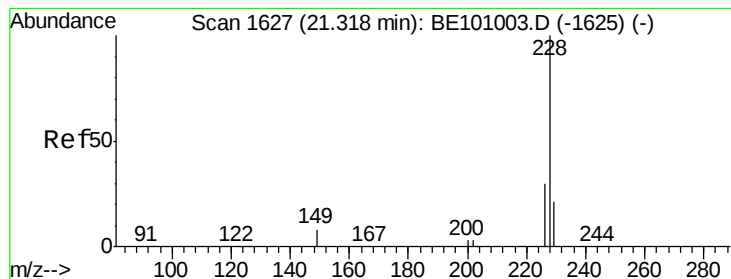
mohammad  
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#30  
 Benzo(a)anthracene  
 Concen: 0.445 ng  
 RT: 21.26 min Scan# 1620  
 Delta R.T. -0.00 min  
 Lab File: BE101108.D  
 Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 22.7  | 34.1  |
| 229     | 22.8  | 15.5  | 23.3  |





#31

Chrysene

Concen: 0.291 ng

RT: 21.31 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

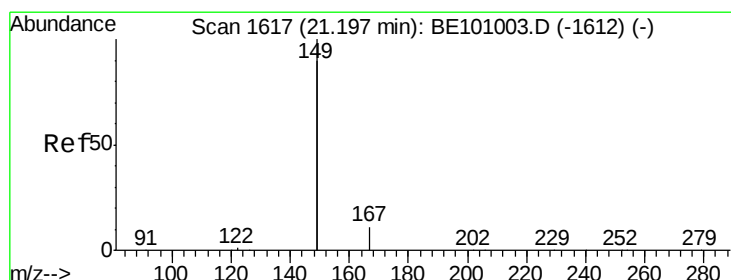
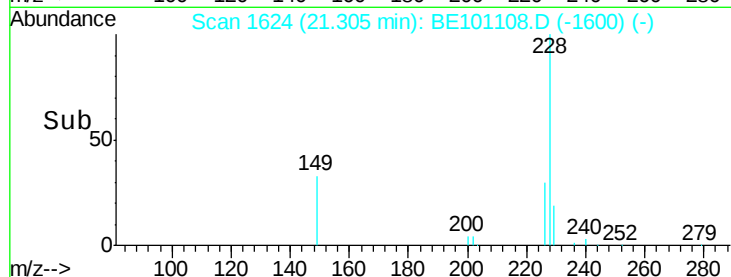
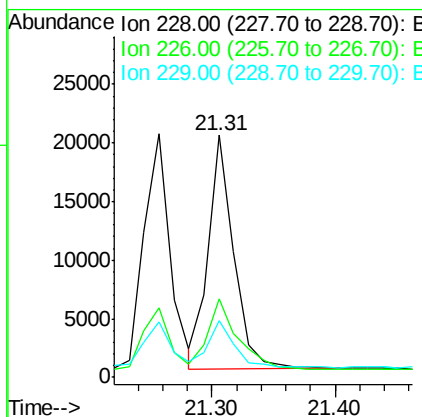
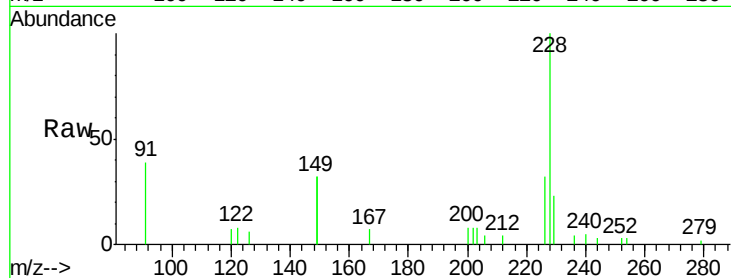
ClientSampleId :

SB-MW-16MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 228   | Resp: | 28785 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 32.3  | 23.5  | 35.3  |
| 229      | 23.2  | 16.7  | 25.1  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.950 ng

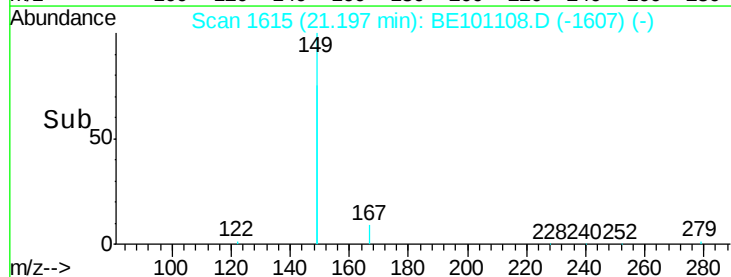
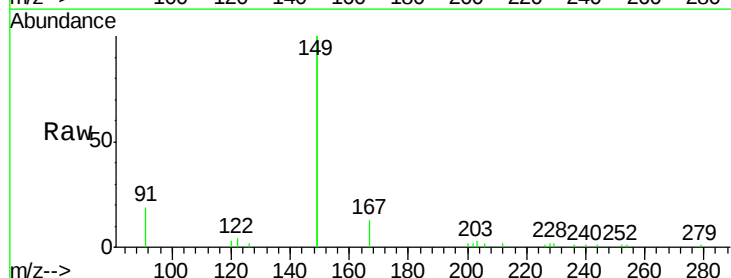
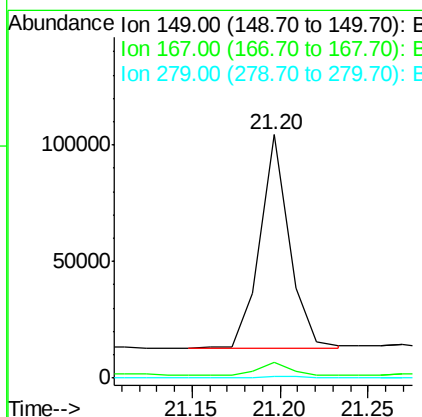
RT: 21.20 min Scan# 1615

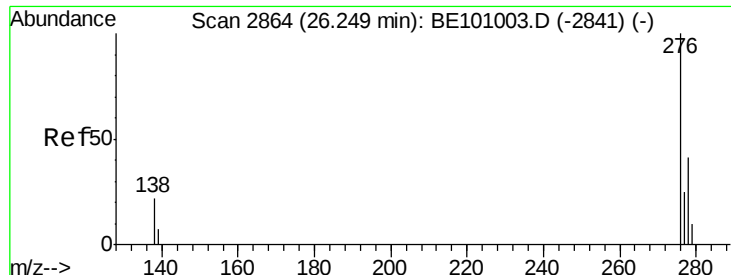
Delta R.T. -0.00 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 105426 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 5.4   | 5.2   | 7.8    |
| 279      | 0.7   | 0.8   | 1.2#   |





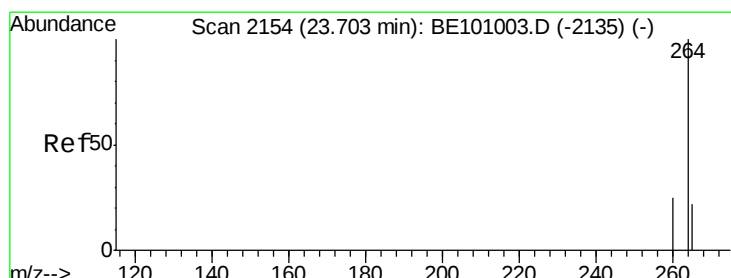
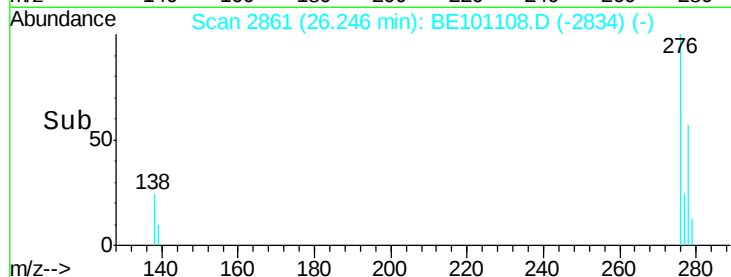
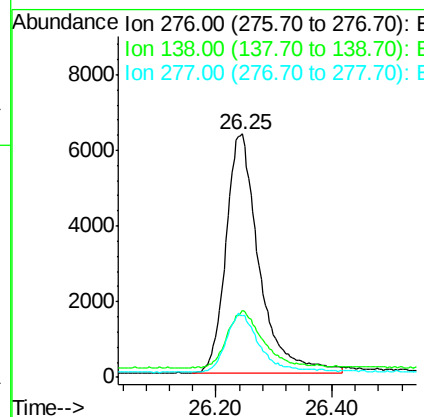
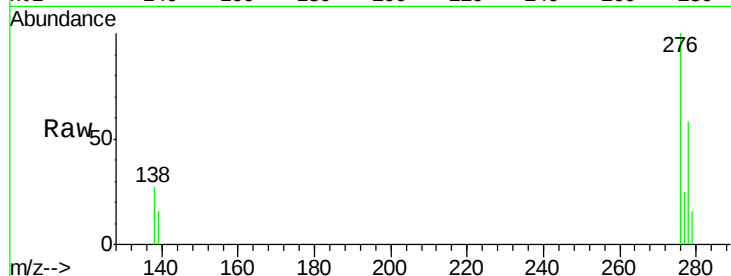
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.321 ng  
 RT: 26.25 min Scan# 2861  
 Delta R.T. -0.00 min  
 Lab File: BE101108.D  
 Acq: 21 Jan 2020 14:06

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.8  | 16.1  | 24.1# |
| 277     | 24.6  | 18.1  | 27.1  |

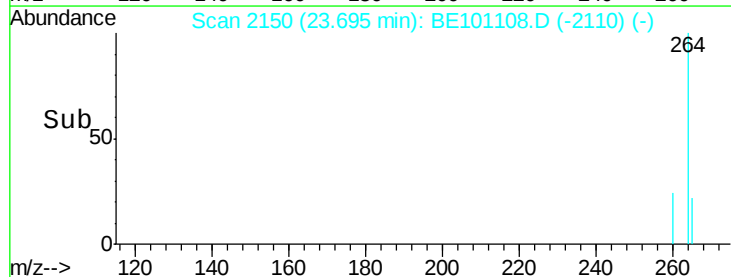
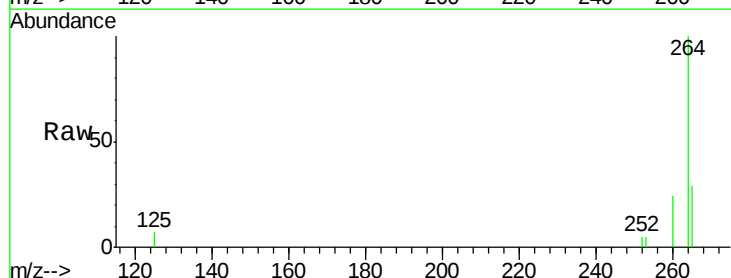
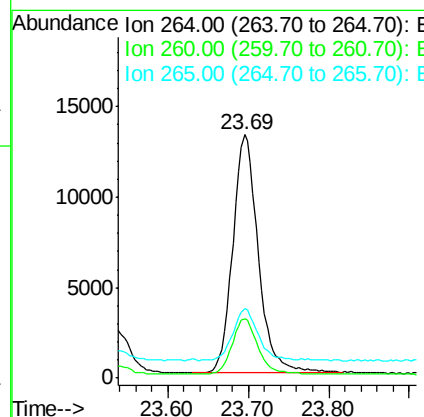
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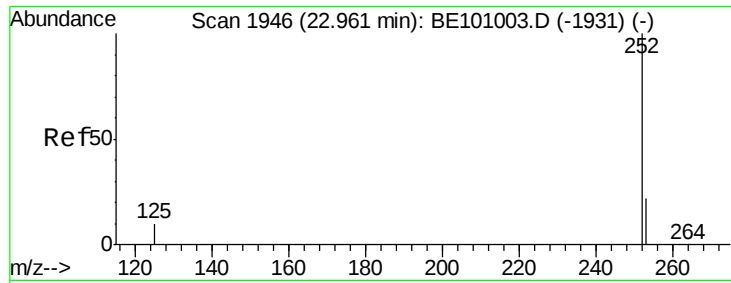
mohammad  
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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.69 min Scan# 2150  
 Delta R.T. -0.01 min  
 Lab File: BE101108.D  
 Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 20.3  | 30.5  |
| 265     | 28.6  | 27.0  | 40.4  |





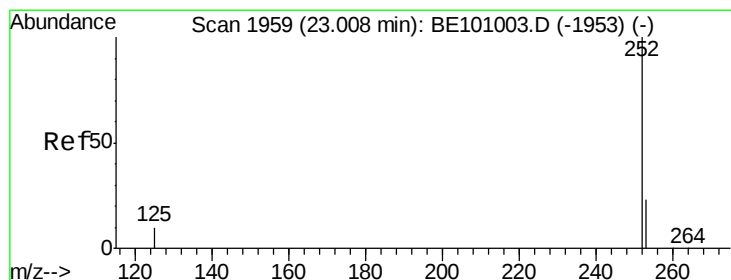
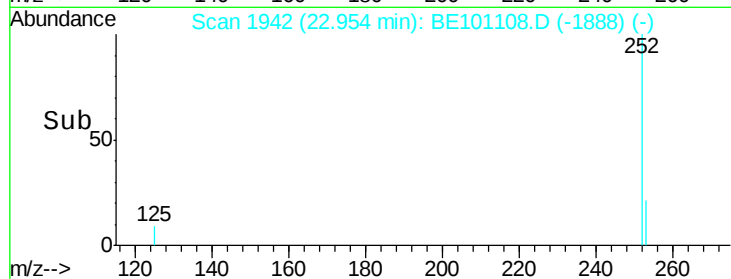
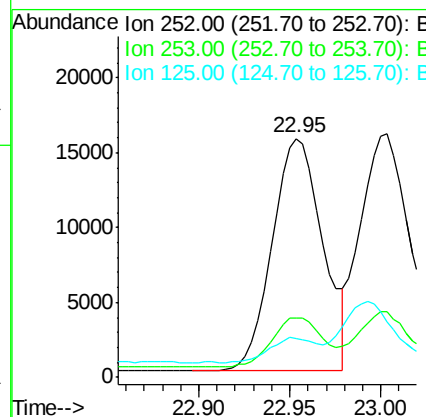
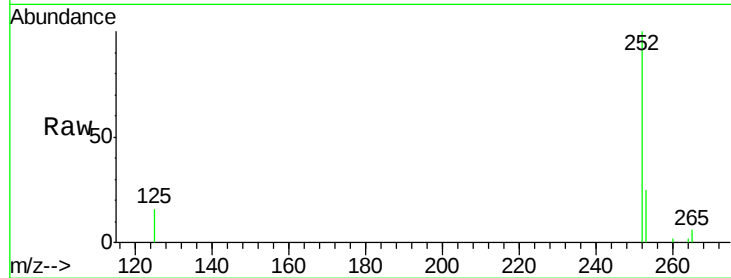
#35  
Benzo(b)fluoranthene  
Concen: 0.368 ng  
RT: 22.95 min Scan# 1942  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 18.5  | 27.7  |
| 125     | 16.2  | 9.5   | 14.3# |

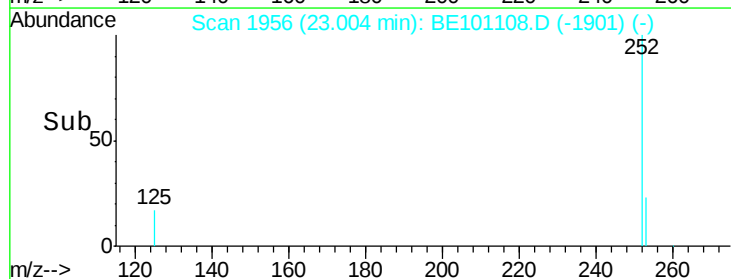
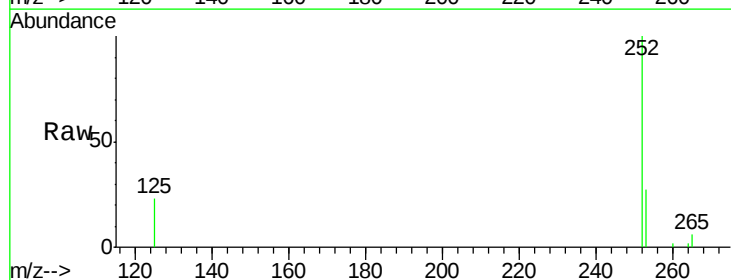
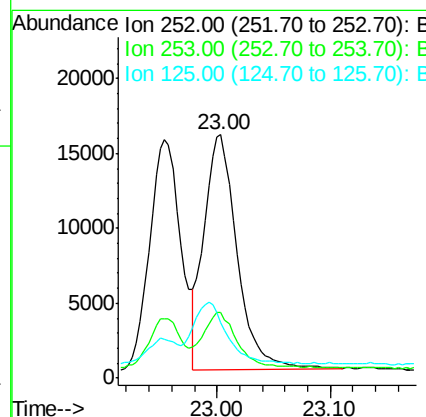
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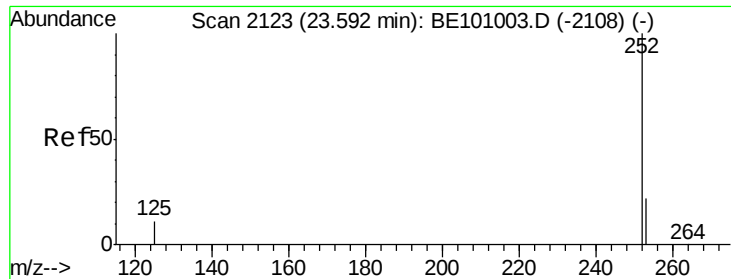
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#36  
Benzo(k)fluoranthene  
Concen: 0.272 ng  
RT: 23.00 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.0  | 18.9  | 28.3  |
| 125     | 23.0  | 10.1  | 15.1# |





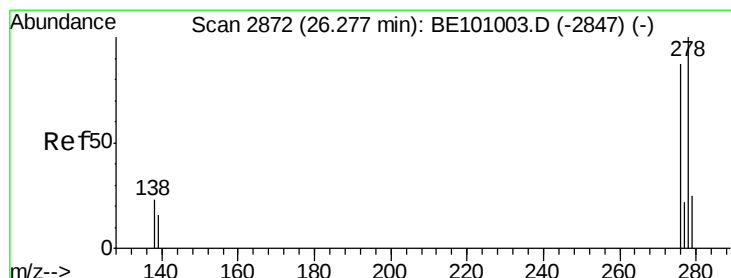
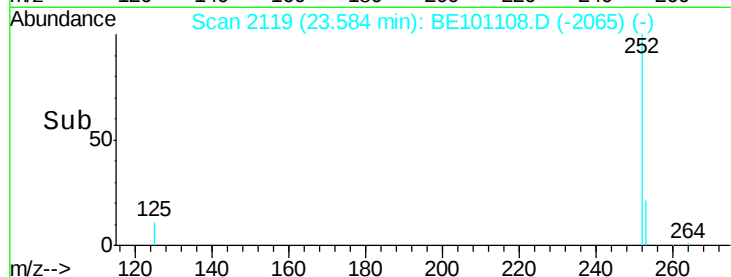
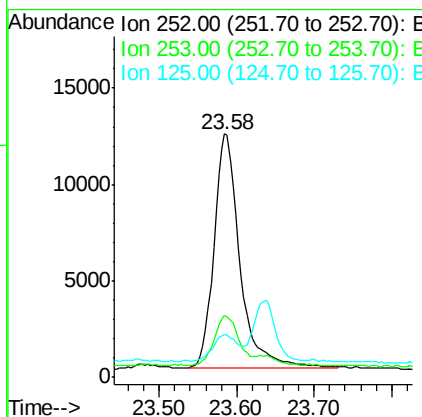
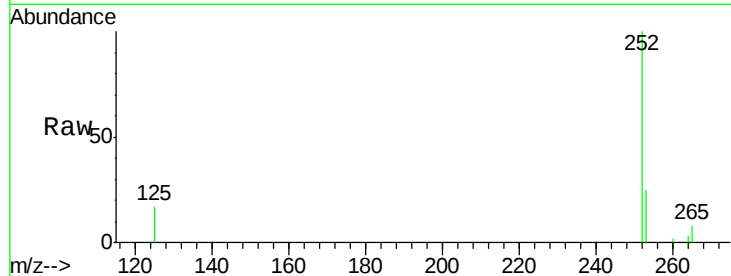
#37  
Benzo(a)pyrene  
Concen: 0.359 ng  
RT: 23.58 min Scan# 2119  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

Instrument :  
BNA\_E  
ClientSampleId :  
SB-MW-16MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 19.4  | 29.2  |
| 125     | 17.5  | 11.8  | 17.6  |

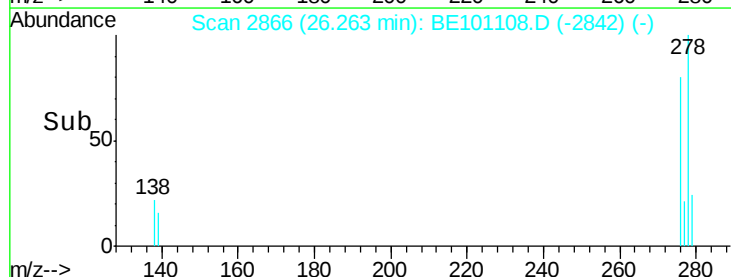
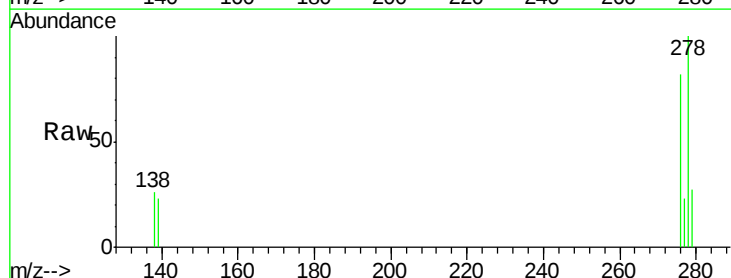
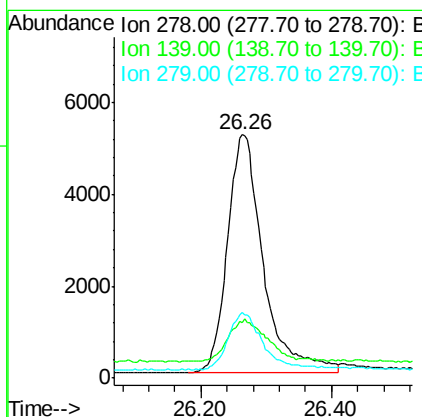
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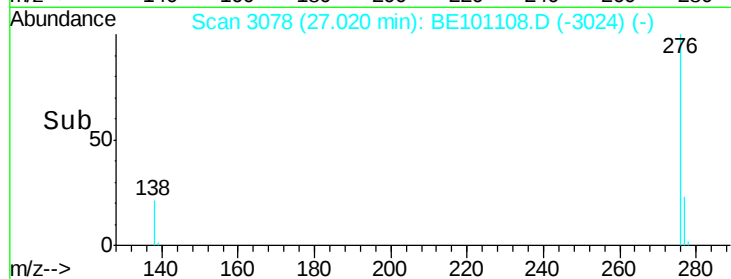
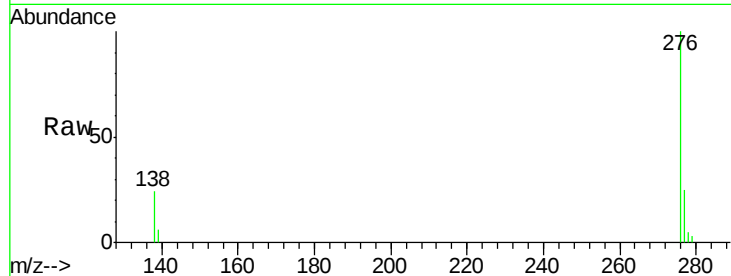
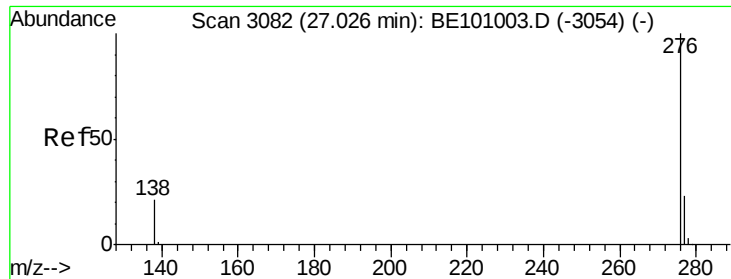
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.274 ng  
RT: 26.26 min Scan# 2866  
Delta R.T. -0.01 min  
Lab File: BE101108.D  
Acq: 21 Jan 2020 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.8  | 15.0  | 22.4# |
| 279     | 26.9  | 22.6  | 33.8  |





#39

Benzo(a,h,i)perylene

Concen: 0.236 ng

RT: 27.02 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BE101108.D

Acq: 21 Jan 2020 14:06

Instrument :

BNA\_E

ClientSampleId :

SB-MW-16MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 21044 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.2  | 19.4  | 29.2  |
| 138       | 24.5  | 17.9  | 26.9  |

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