

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061919\  
 Data File : BE100090.D  
 Acq On : 19 Jun 2019 19:53  
 Operator : JU/SJ  
 Sample : K3309-08MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS043MW010-190611MS

Manual Integrations  
 APPROVED

mohammad  
 6/21/2019 8:20:32 AM

Quant Time: Jun 20 14:49:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 19 15:07:24 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 817      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.52 | 136  | 2848     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.41 | 164  | 2290     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.15 | 188  | 6992     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.34 | 240  | 10675    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.84 | 264  | 12134    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.30  | 112 | 314   | 0.19 | ng | 0.00  |
| 5) Phenol-d6                | 6.90  | 99  | 267   | 0.11 | ng | -0.03 |
| 8) Nitrobenzene-d5          | 8.89  | 82  | 1112  | 0.40 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.14 | 152 | 1636m | 0.30 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.90 | 330 | 660   | 0.52 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.03 | 172 | 3589  | 0.40 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.19 | 212 | 32898 | 0.33 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.79 | 244 | 9676  | 0.45 | ng | -0.01 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 2177   | 1.661  | ng | 92   |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93  | 1106   | 0.494  | ng | 93   |
| 9) Naphthalene                 | 10.57 | 128 | 13913  | 0.450  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.85 | 225 | 896    | 0.295  | ng | 95   |
| 12) 2-Methylnaphthalene        | 12.21 | 142 | 1974   | 0.388  | ng | 99   |
| 16) Acenaphthylene             | 14.12 | 152 | 4112   | 0.378  | ng | # 93 |
| 17) Acenaphthene               | 14.47 | 154 | 56204  | 9.247  | ng | 94   |
| 18) Fluorene                   | 15.45 | 166 | 61812  | 6.828  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.34 | 248 | 1570   | 0.378  | ng | 92   |
| 21) Hexachlorobenzene          | 16.45 | 284 | 1502   | 0.327  | ng | 99   |
| 22) Pentachlorophenol          | 16.81 | 266 | 1856m  | 1.488  | ng |      |
| 23) Phenanthrene               | 17.20 | 178 | 53395  | 3.187  | ng | 99   |
| 24) Anthracene                 | 17.28 | 178 | 20035  | 1.418  | ng | # 94 |
| 26) Fluoranthene               | 19.23 | 202 | 29145  | 1.084  | ng | 99   |
| 28) Pyrene                     | 19.59 | 202 | 21881  | 0.797  | ng | 95   |
| 30) Benzo(a)anthracene         | 21.33 | 228 | 14227  | 0.448  | ng | 96   |
| 31) Chrysene                   | 21.38 | 228 | 12991  | 0.352  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 26143  | 0.872  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.47 | 276 | 13386  | 0.322  | ng | # 97 |
| 35) Benzo(b)fluoranthene       | 23.07 | 252 | 12199m | 0.343  | ng |      |
| 36) Benzo(k)fluoranthene       | 23.12 | 252 | 11951  | 0.295  | ng | 97   |
| 37) Benzo(a)pyrene             | 23.73 | 252 | 11482  | 0.334  | ng | # 95 |
| 38) Dibenzo(a,h)anthracene     | 26.51 | 278 | 11001  | 0.312  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 27.29 | 276 | 11384  | 0.311  | ng | 98   |

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

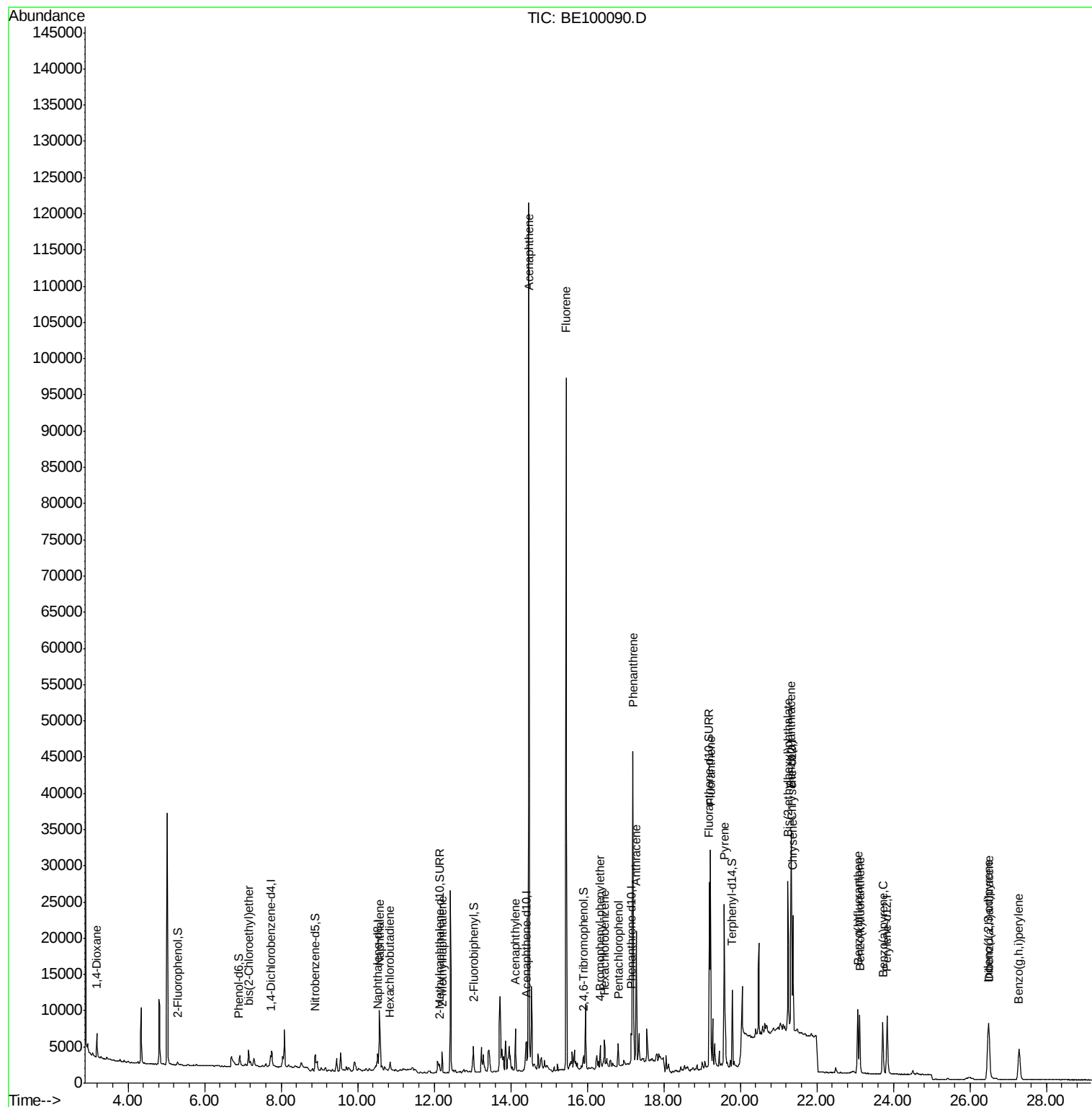
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061919\  
Data File : BE100090.D  
Acq On : 19 Jun 2019 19:53  
Operator : JU/SJ  
Sample : K3309-08MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

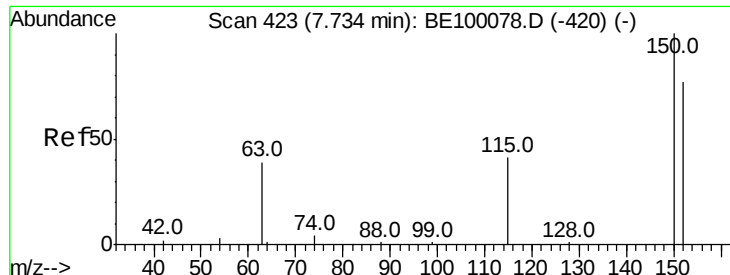
Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 19 15:07:24 2019  
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#1

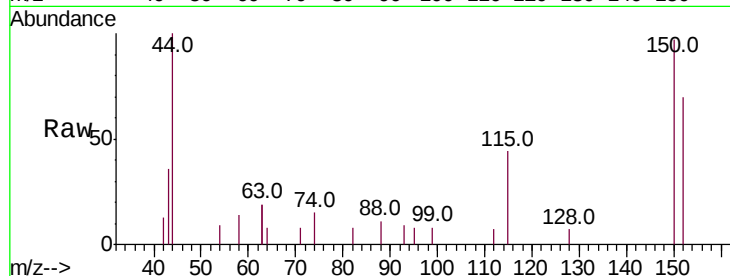
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.73 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

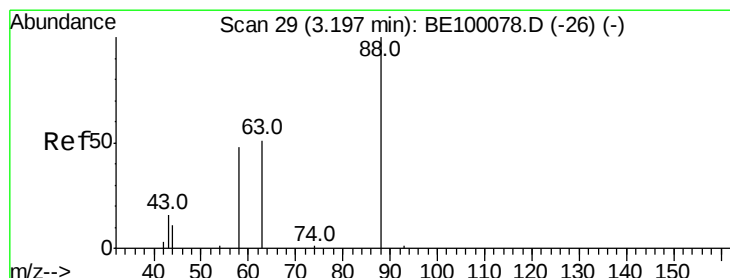
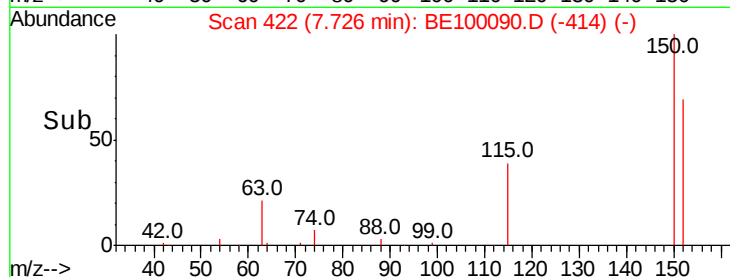
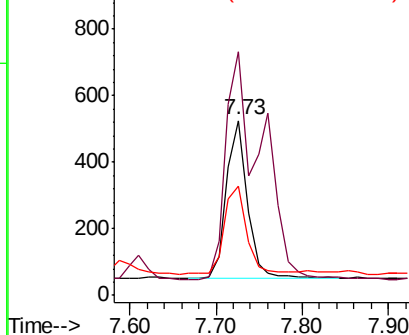
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 139.4 | 99.8  | 149.8 |
| 115     | 62.9  | 51.3  | 76.9  |

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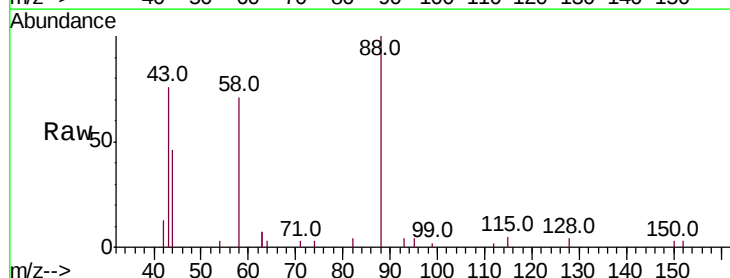
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



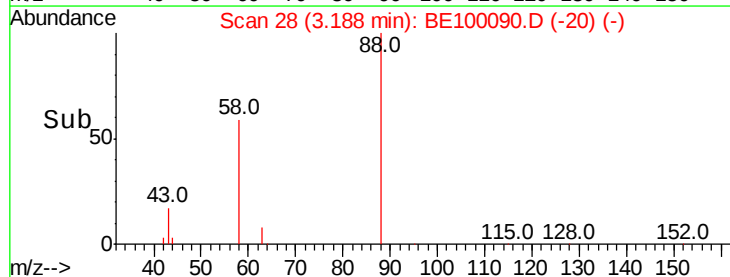
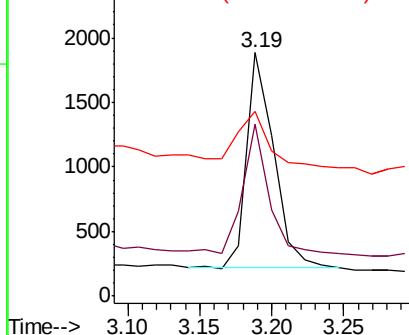
#2

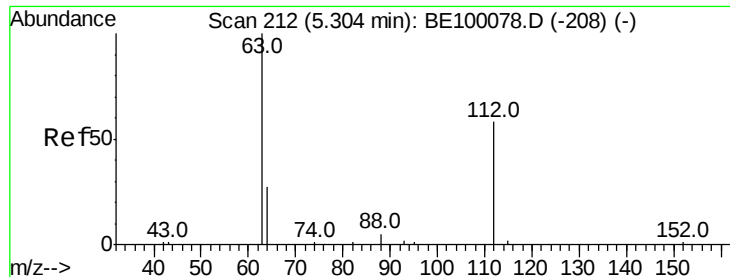
1,4-Dioxane  
Concen: 1.661 ng  
RT: 3.19 min Scan# 28  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 56.9  | 51.1  | 76.7  |
| 43      | 30.7  | 21.7  | 32.5  |



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.185 ng

RT: 5.30 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

Instrument :

BNA\_E

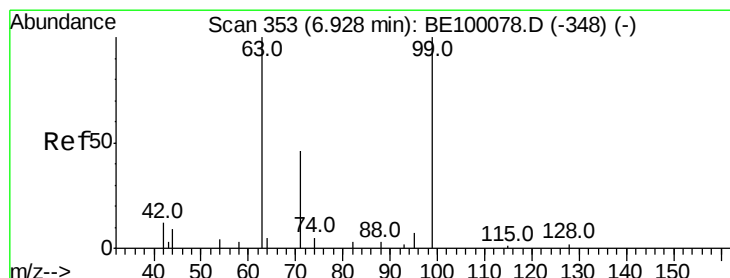
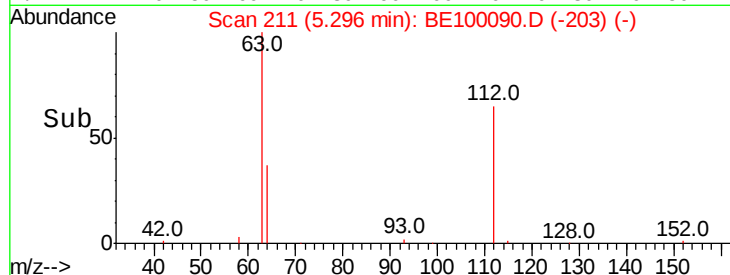
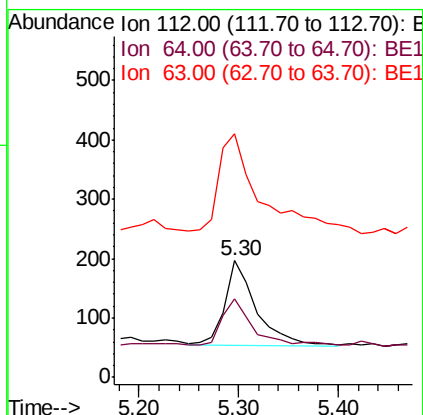
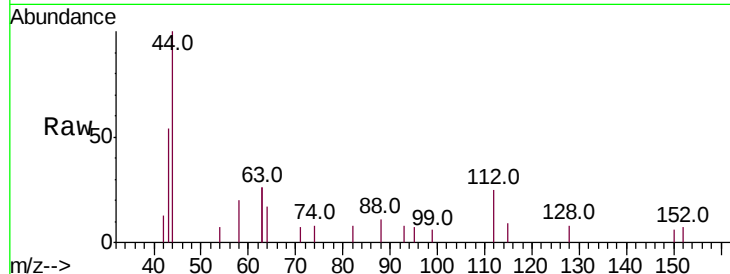
ClientSampleId :

SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.5  | 22.0  | 33.0# |
| 63      | 153.2 | 121.8 | 182.6 |

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#5

Phenol-d6

Concen: 0.115 ng

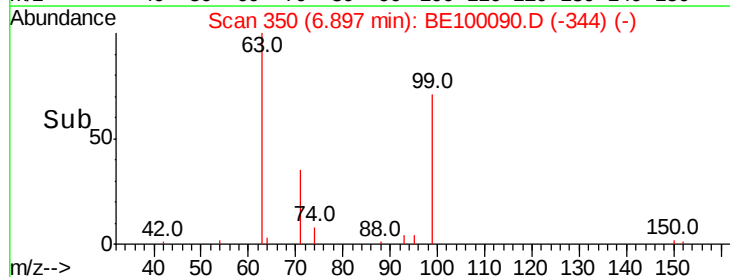
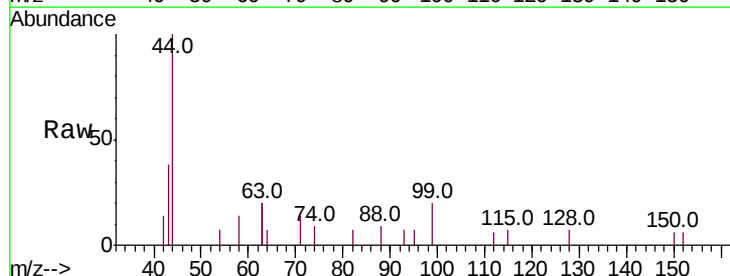
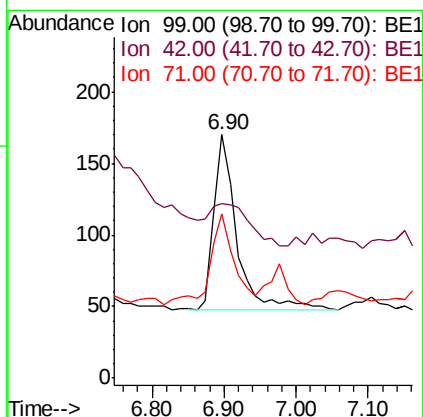
RT: 6.90 min Scan# 350

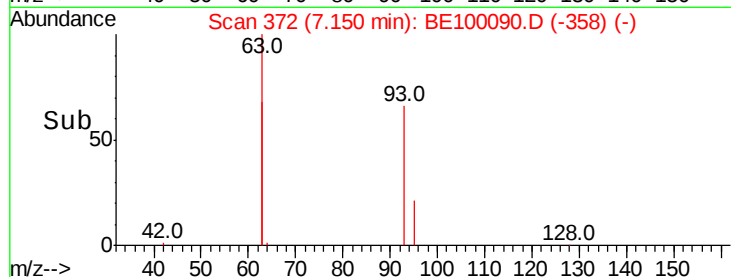
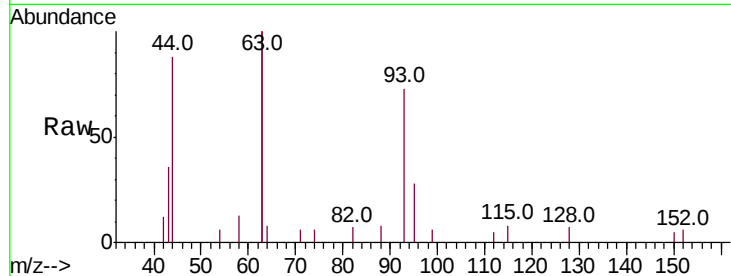
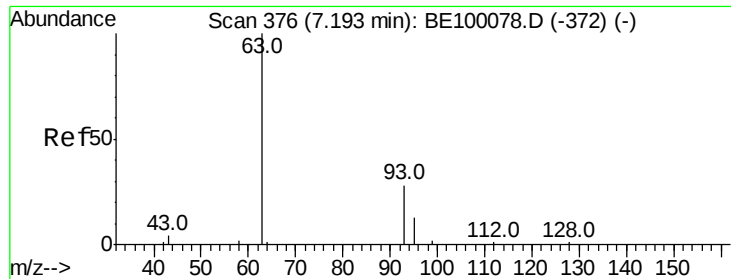
Delta R.T. -0.03 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 44.9  | 0.0   | 0.0#  |
| 71      | 40.8  | 37.6  | 56.4  |





#6

bis(2-Chloroethyl)ether

Concen: 0.494 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.04 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 1106  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 263.4 | 200.0 | 300.0 |
| 95       | 33.3  | 24.0  | 36.0  |

Instrument :

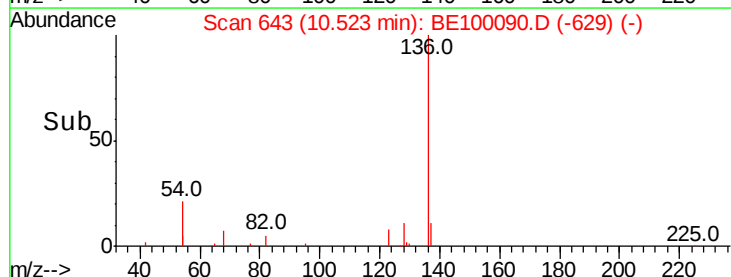
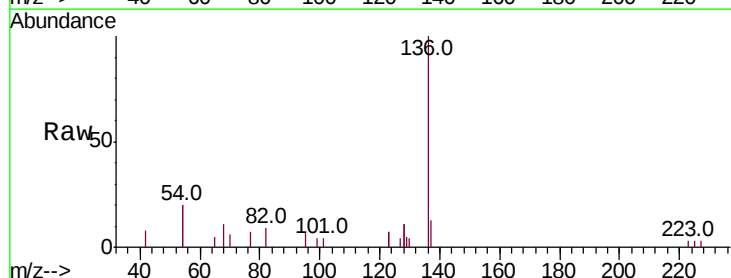
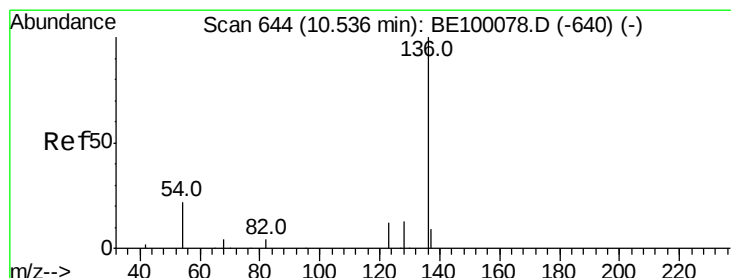
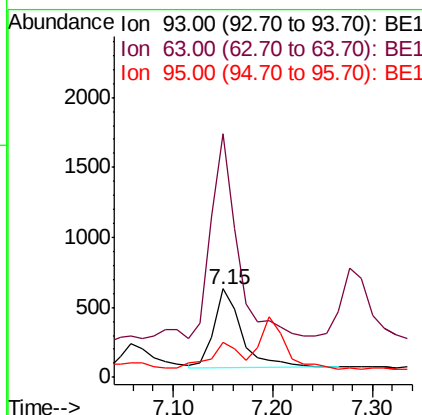
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#7

Naphthalene-d8

Concen: 0.400 ng

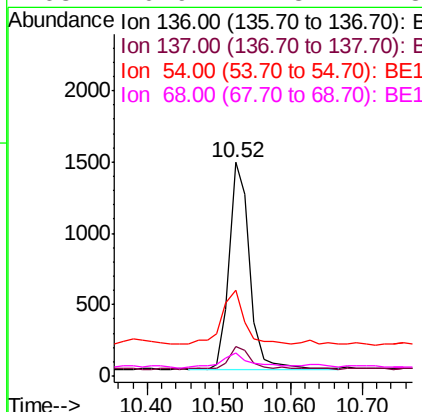
RT: 10.52 min Scan# 643

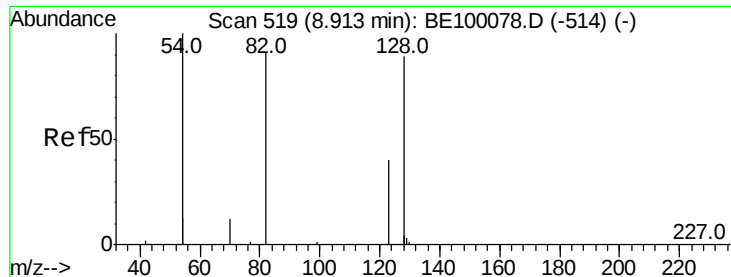
Delta R.T. -0.01 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 2848  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.5  | 11.6  | 17.4  |
| 54       | 40.2  | 33.9  | 50.9  |
| 68       | 10.9  | 7.8   | 11.8  |





#8

Nitrobenzene-d5

Concen: 0.403 ng

RT: 8.89 min Scan# 517

Delta R.T. -0.03 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

Instrument :

BNA\_E

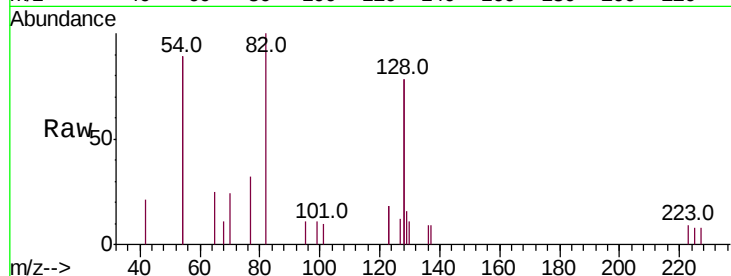
ClientSampleId :

SS043MW010-190611MS

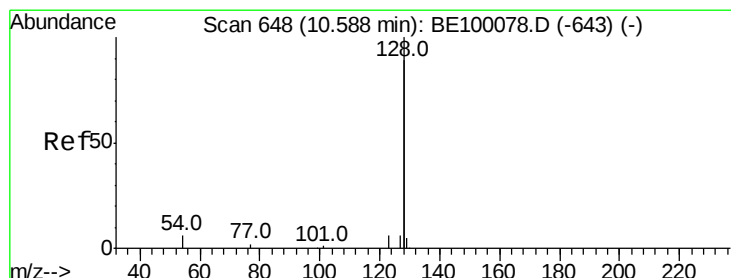
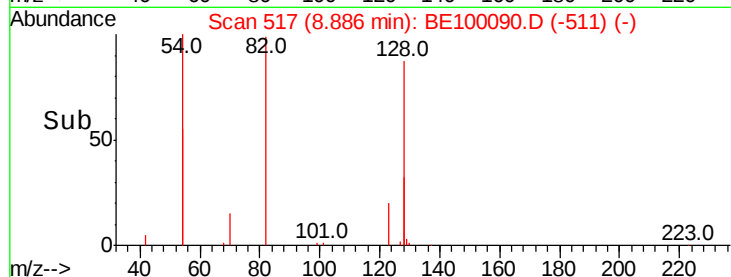
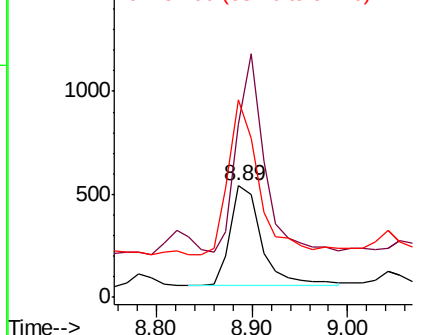
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 1112  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 155.6 | 128.0 | 192.0 |
| 54       | 178.1 | 143.4 | 215.0 |

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Abundance Ion 82.00 (81.70 to 82.70): BE1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.450 ng

RT: 10.57 min Scan# 647

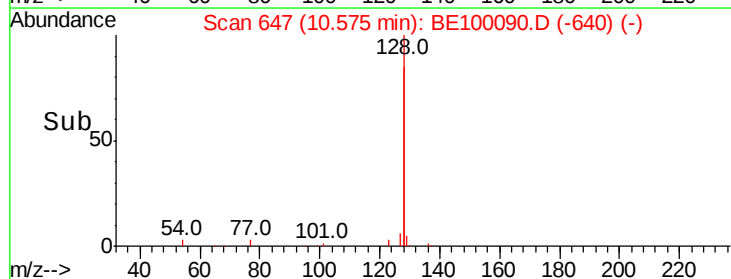
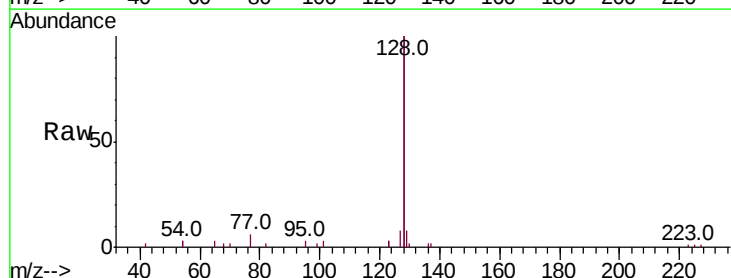
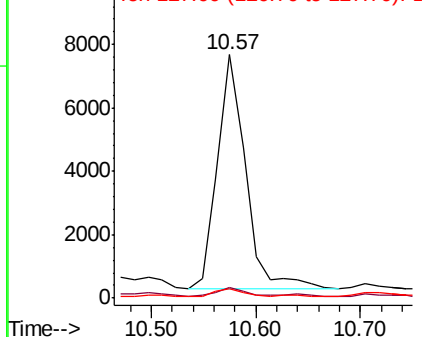
Delta R.T. -0.01 min

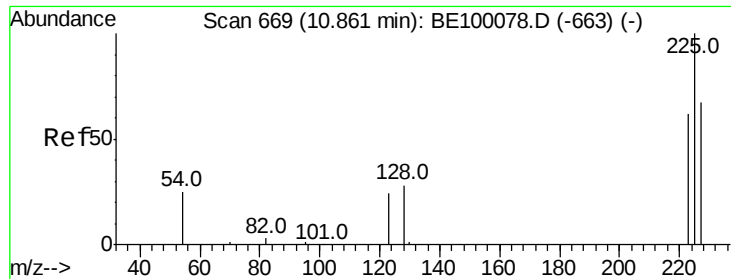
Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 13913 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 4.1   | 3.1   | 4.7   |
| 127      | 4.1   | 3.4   | 5.2   |

Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





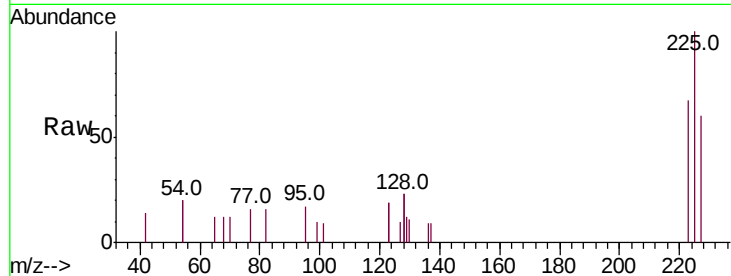
#10  
Hexachlorobutadiene  
Concen: 0.295 ng  
RT: 10.85 min Scan# 668  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

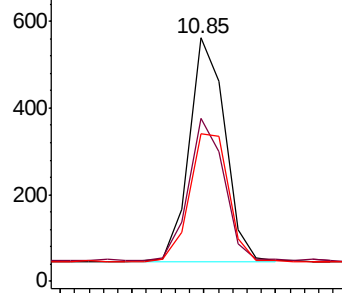
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.8  | 52.2  | 78.4  |
| 227     | 62.4  | 53.0  | 79.6  |

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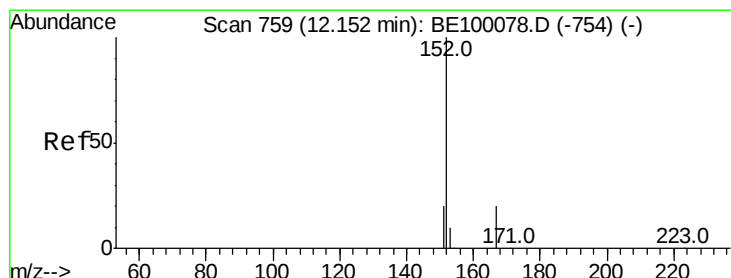
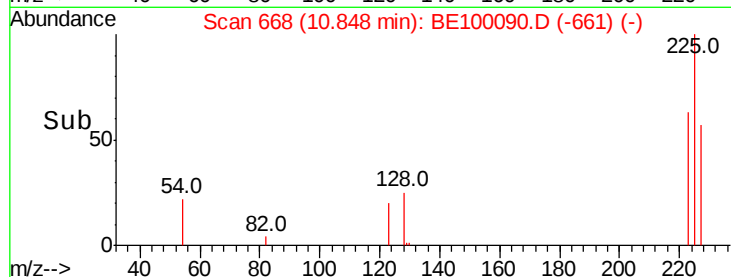
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Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

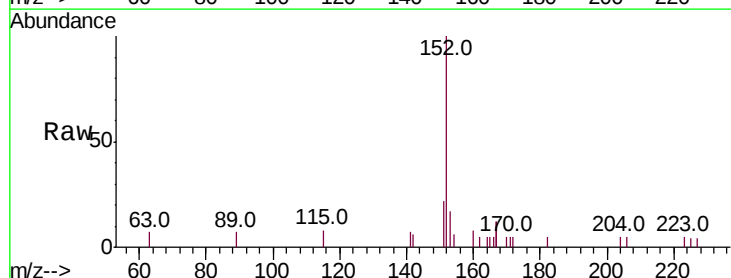


Time-->

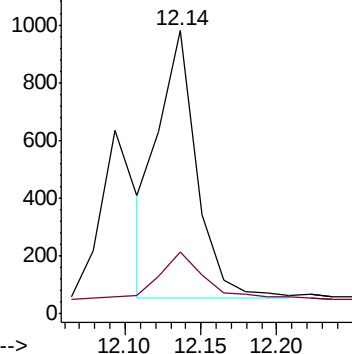


#11  
2-Methylnaphthalene-d10  
Concen: 0.302 ng m  
RT: 12.14 min Scan# 758  
Delta R.T. -0.02 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

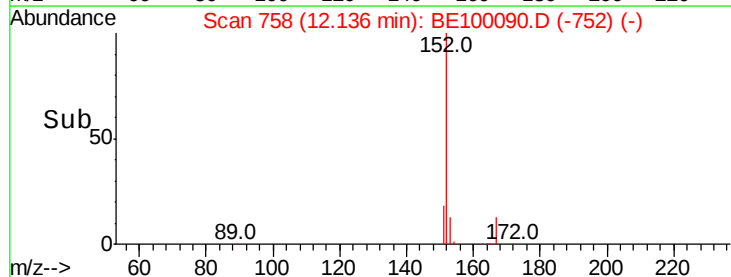
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.4  | 16.3  | 24.5  |

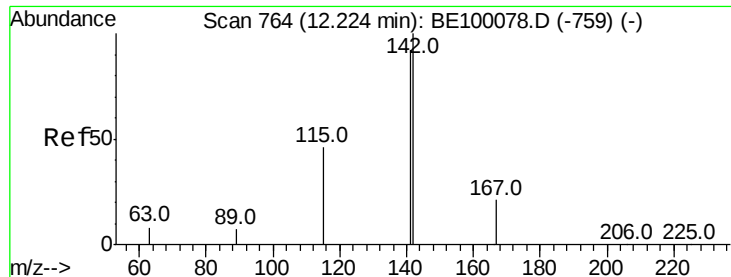


Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E



Time-->





#12

2-Methylnaphthalene

Concen: 0.388 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

Instrument :

BNA\_E

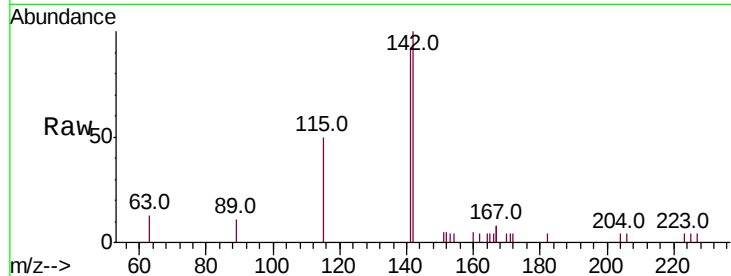
ClientSampleId :

SS043MW010-190611MS

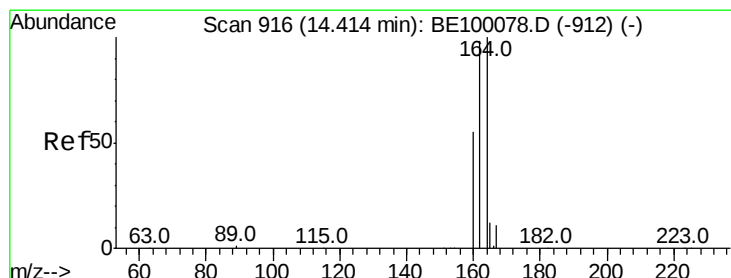
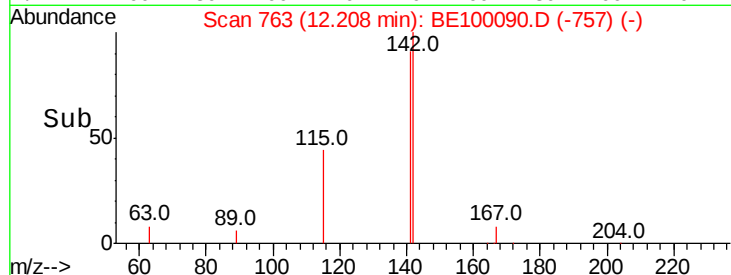
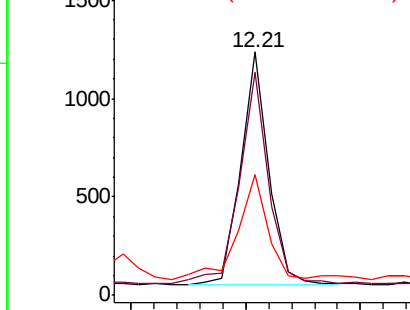
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 142   | Resp: | 1974  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 91.8  | 74.1  | 111.1 |
| 115       | 49.8  | 40.9  | 61.3  |

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Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

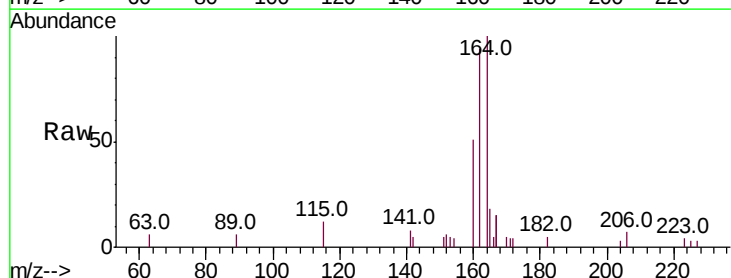
RT: 14.41 min Scan# 916

Delta R.T. -0.00 min

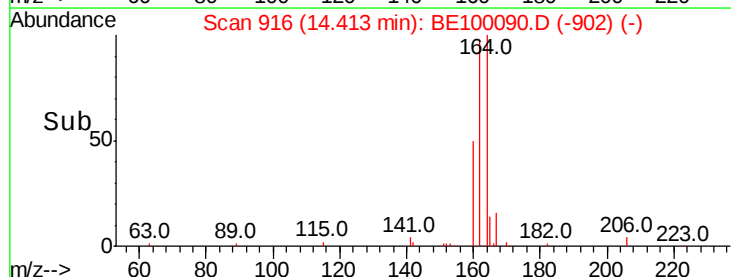
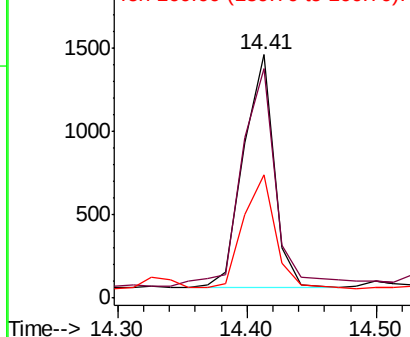
Lab File: BE100090.D

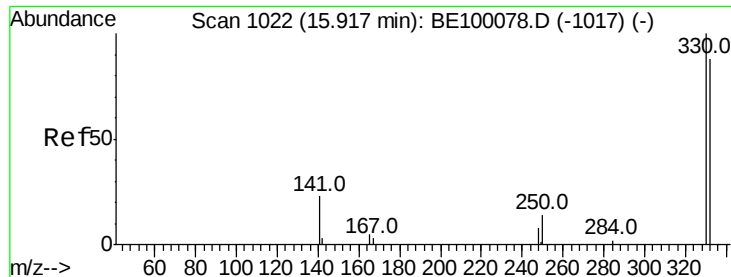
Acq: 19 Jun 2019 19:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 2290  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 94.2  | 78.2  | 117.2 |
| 160       | 50.7  | 45.6  | 68.4  |



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





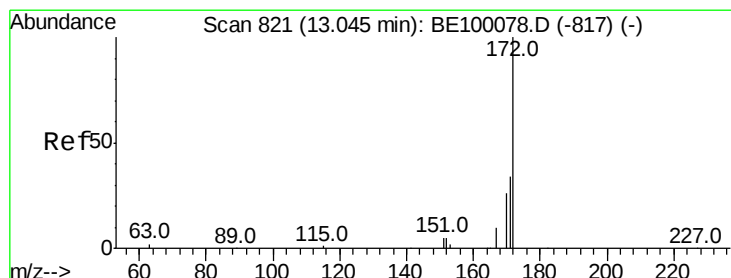
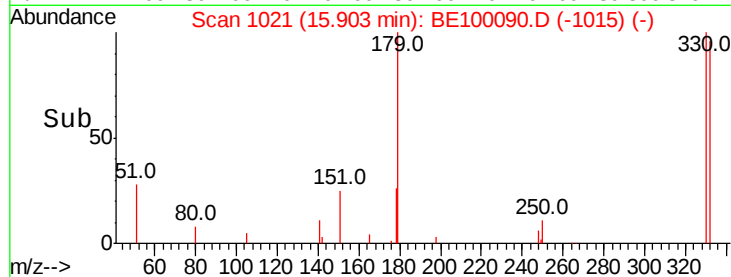
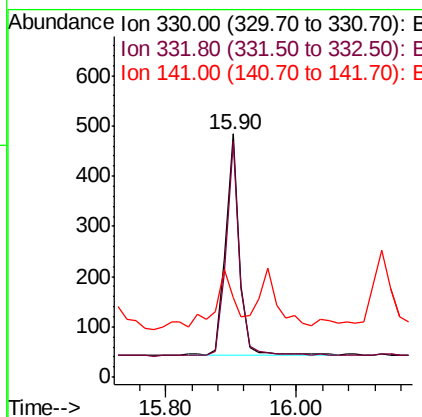
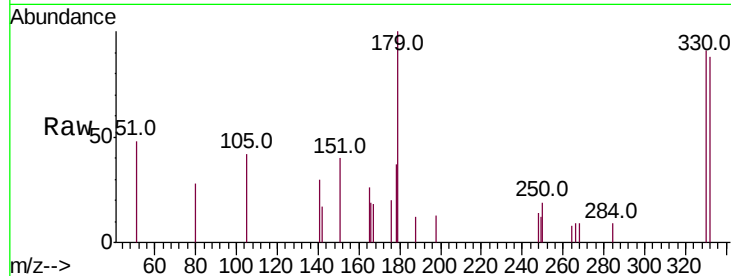
#14  
2,4,6-Tribromophenol  
Concen: 0.522 ng  
RT: 15.90 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.6  | 73.3  | 109.9 |
| 141     | 31.2  | 22.2  | 33.2  |

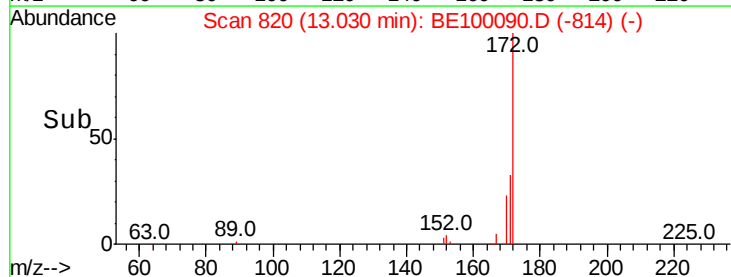
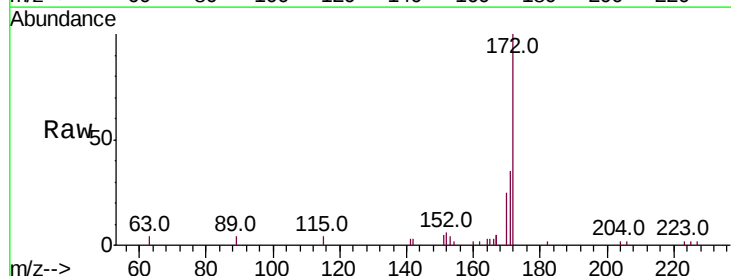
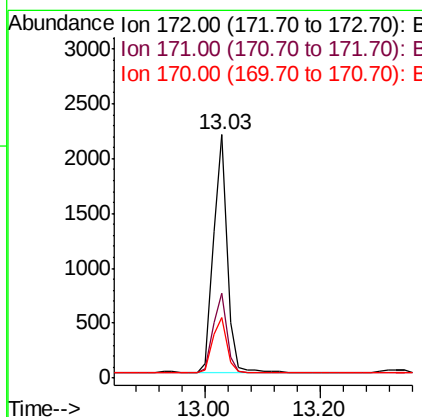
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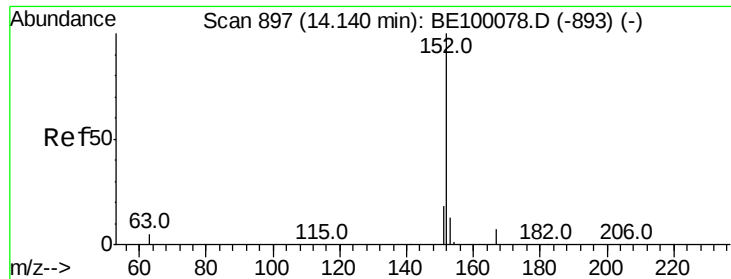
mohammad  
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#15  
2-Fluorobiphenyl  
Concen: 0.398 ng  
RT: 13.03 min Scan# 820  
Delta R.T. -0.02 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 29.8  | 44.8  |
| 170     | 24.9  | 23.2  | 34.8  |





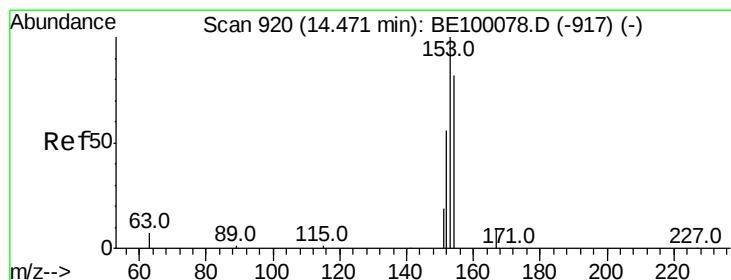
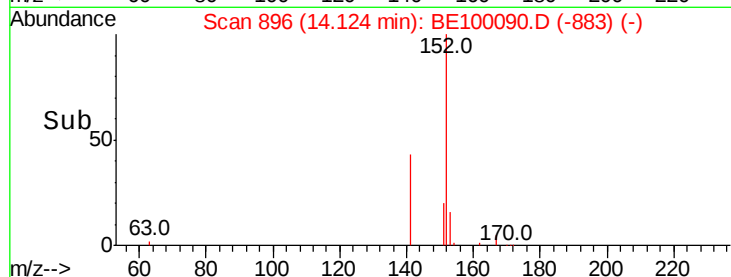
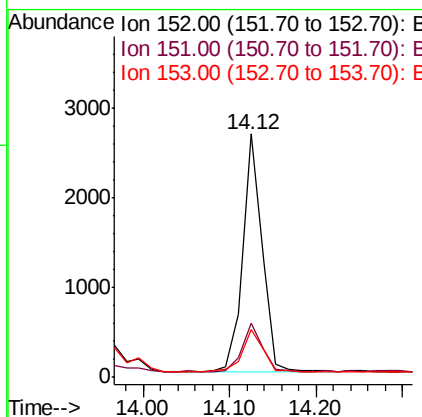
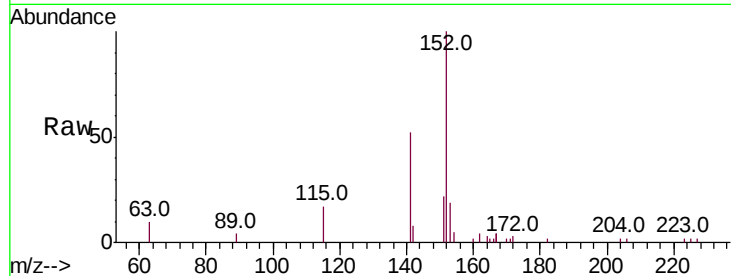
#16  
Acenaphthylene  
Concen: 0.378 ng  
RT: 14.12 min Scan# 896  
Delta R.T. -0.02 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.4  | 15.9  | 23.9  |
| 153     | 18.7  | 10.1  | 15.1  |

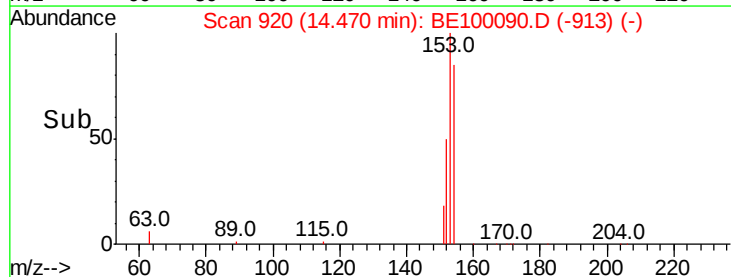
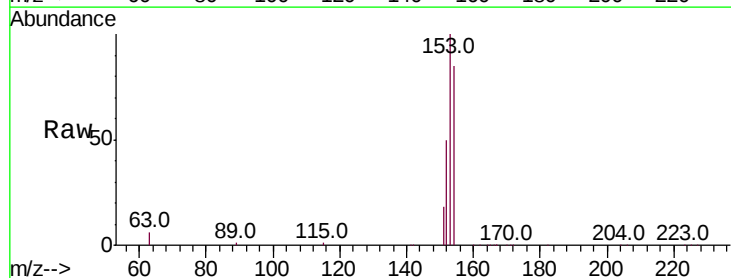
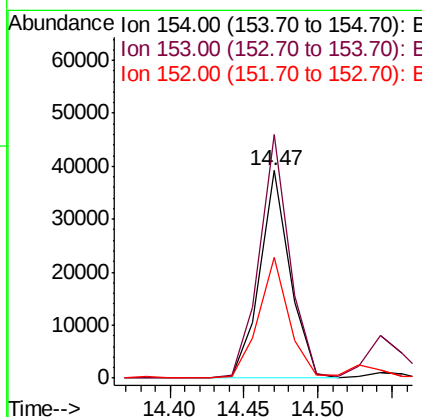
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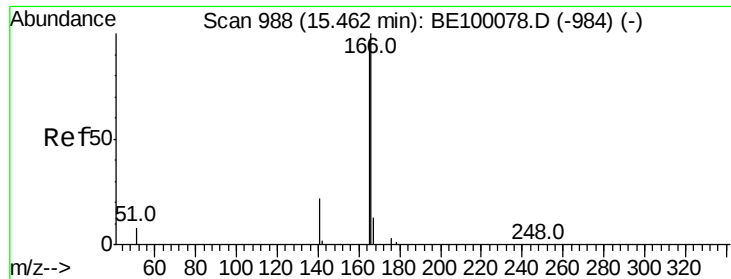
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#17  
Acenaphthene  
Concen: 9.247 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 116.9 | 95.5  | 143.3 |
| 152     | 58.3  | 54.9  | 82.3  |





#18

Fluorene

Concen: 6.828 ng

RT: 15.45 min Scan# 987

Delta R.T. -0.01 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

Instrument :

BNA\_E

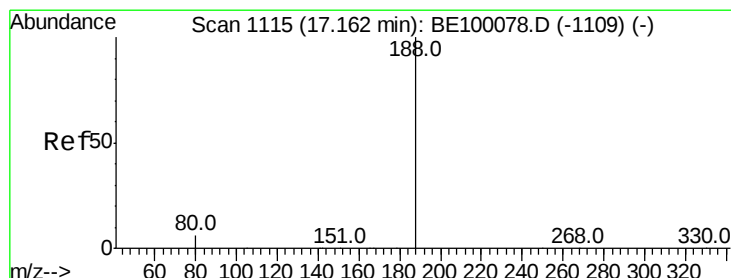
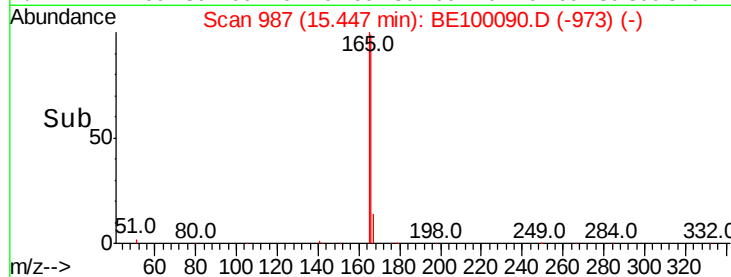
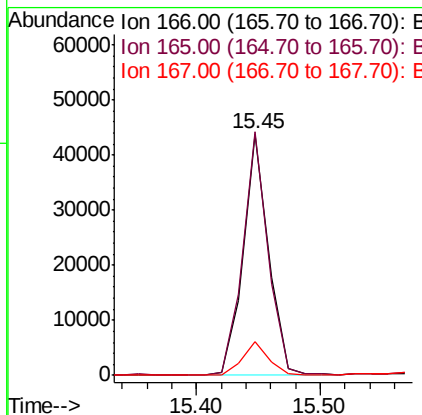
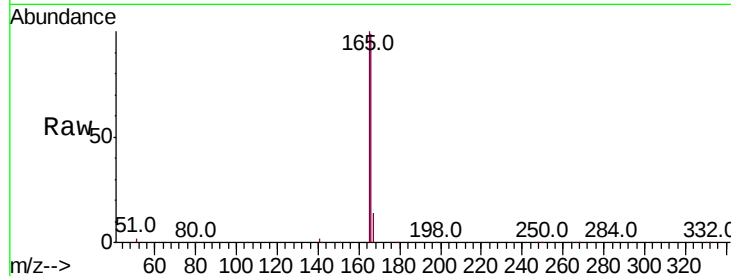
ClientSampleId :

SS043MW010-190611MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 166   | Resp: | 61812 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 100.4 | 79.8  | 119.8 |
| 167       | 14.2  | 10.2  | 15.4  |

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#19

Phenanthrene-d10

Concen: 0.400 ng

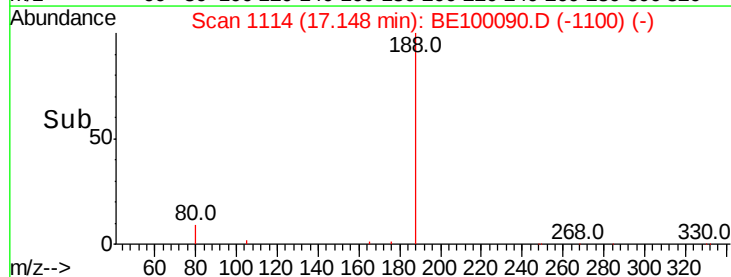
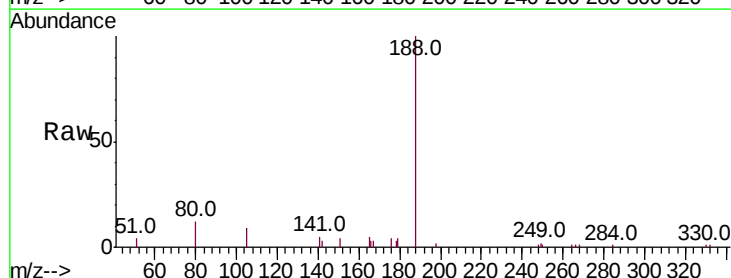
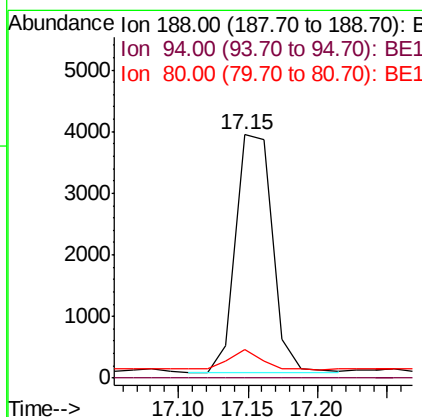
RT: 17.15 min Scan# 1114

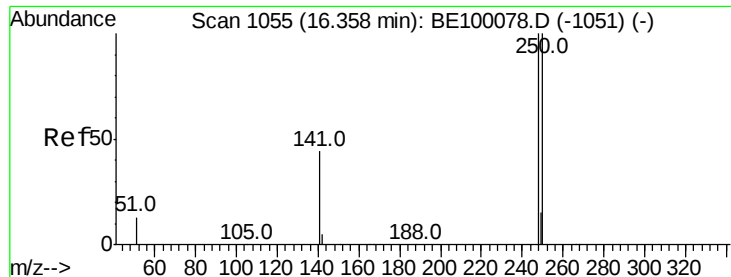
Delta R.T. -0.01 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 6992 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 12.0  | 6.3   | 9.5# |





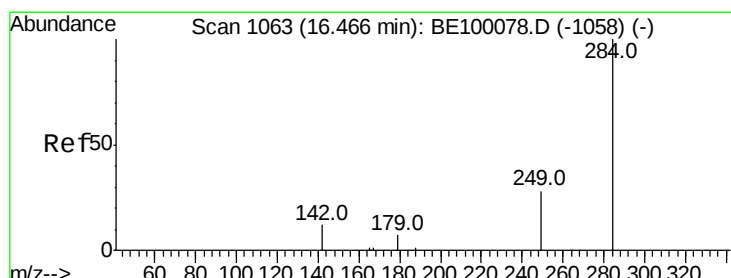
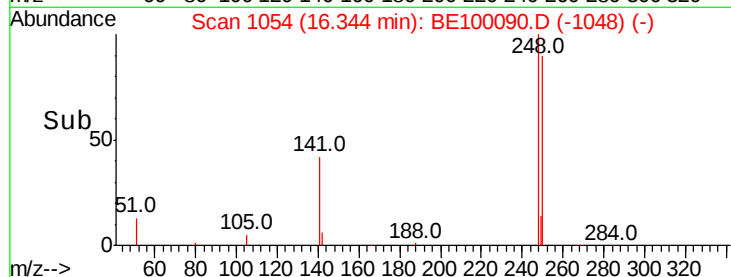
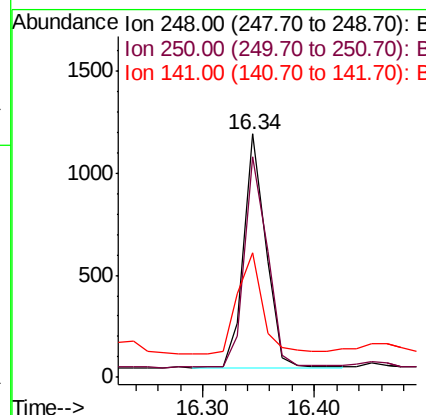
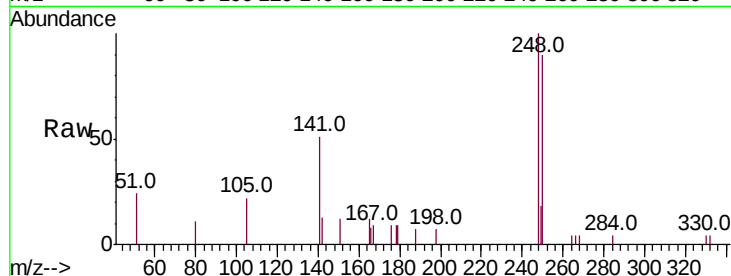
#20  
4-Bromophenyl-phenylether  
Concen: 0.378 ng  
RT: 16.34 min Scan# 1054  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 90.4  | 80.6  | 120.8 |
| 141     | 51.0  | 38.8  | 58.2  |

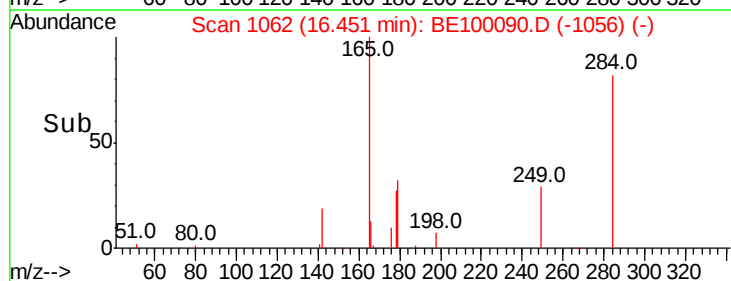
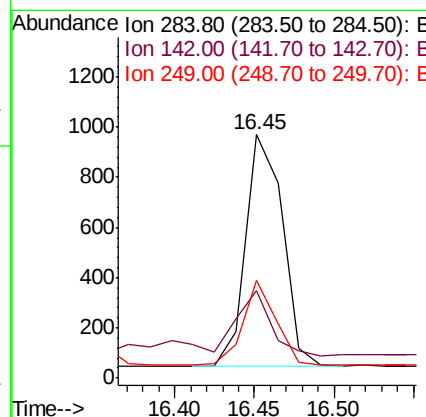
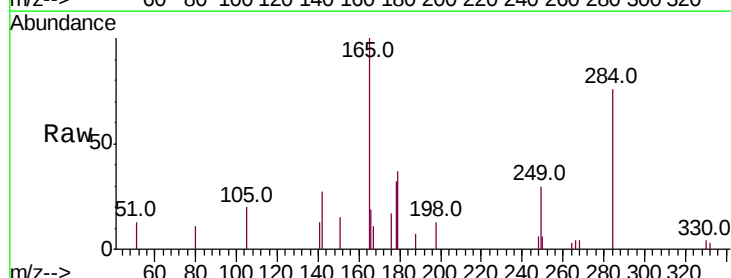
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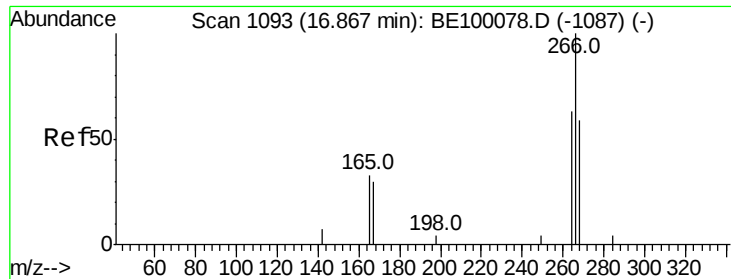
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#21  
Hexachlorobenzene  
Concen: 0.327 ng  
RT: 16.45 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 26.0  | 20.7  | 31.1  |
| 249     | 31.9  | 26.6  | 39.8  |





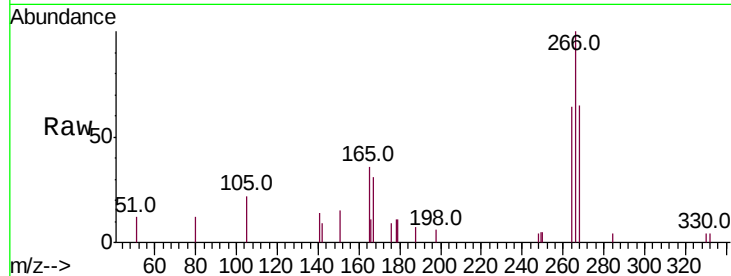
#22  
 Pentachlorophenol  
 Concen: 1.488 ng m  
 RT: 16.81 min Scan# 1089  
 Delta R.T. -0.05 min  
 Lab File: BE100090.D  
 Acq: 19 Jun 2019 19:53

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 266     | 100   |       |        |
| 264     | 64.2  | 67.8  | 101.6# |
| 268     | 65.5  | 70.0  | 105.0# |

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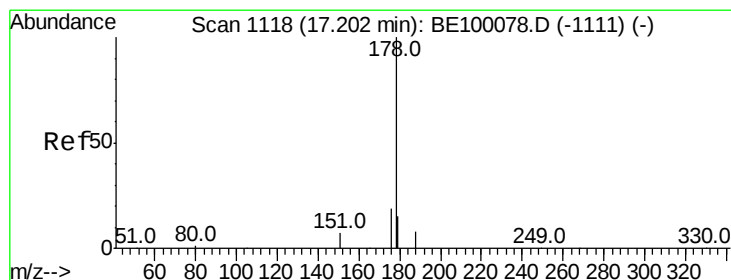
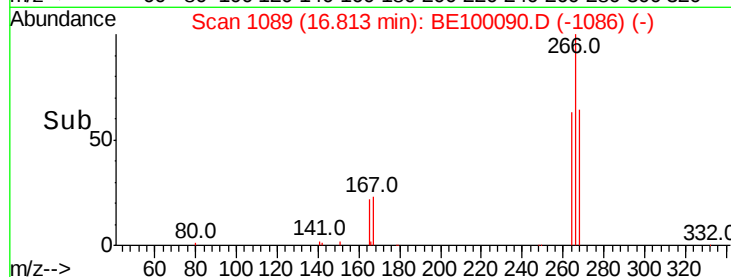
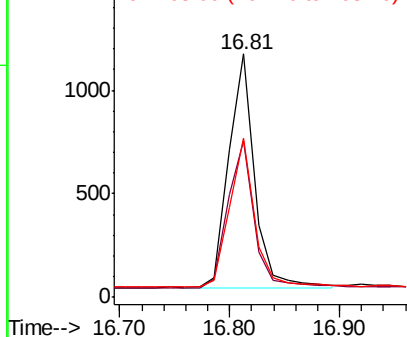


Abundance

Ion 266.00 (265.70 to 266.70): E

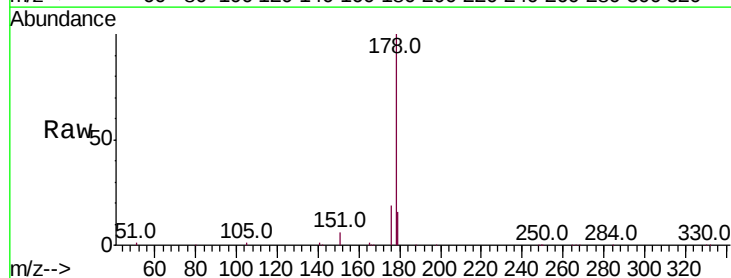
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23  
 Phenanthrene  
 Concen: 3.187 ng  
 RT: 17.20 min Scan# 1118  
 Delta R.T. -0.00 min  
 Lab File: BE100090.D  
 Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.9  | 23.9  |
| 179     | 15.4  | 13.1  | 19.7  |

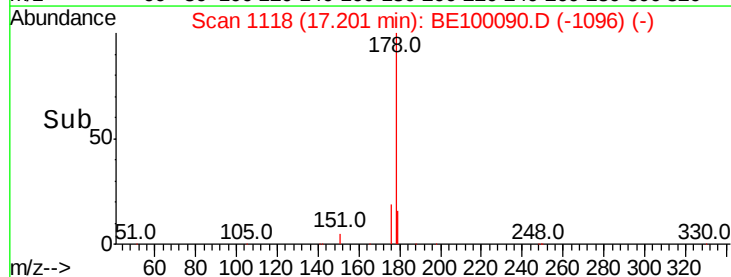
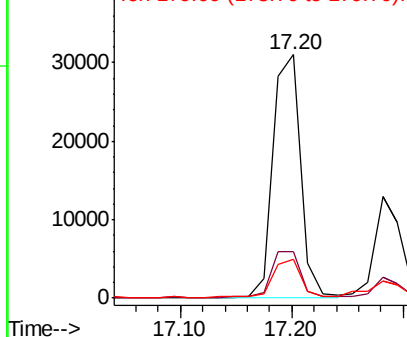


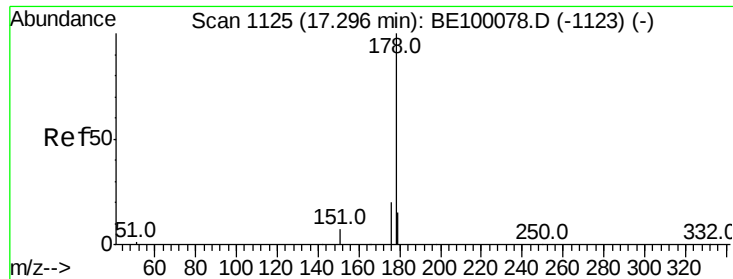
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 1.418 ng

RT: 17.28 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

Instrument :

BNA\_E

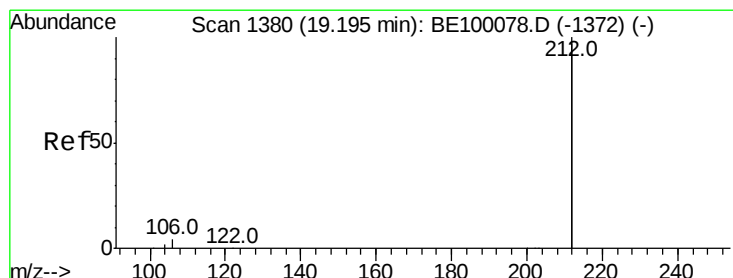
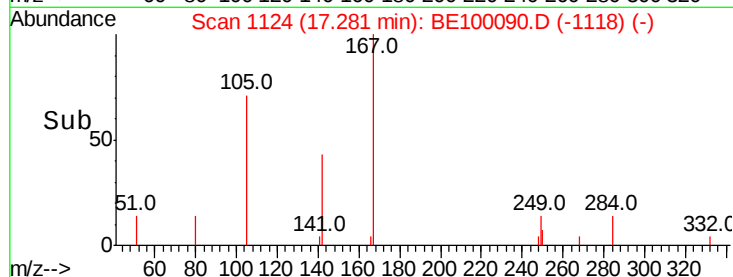
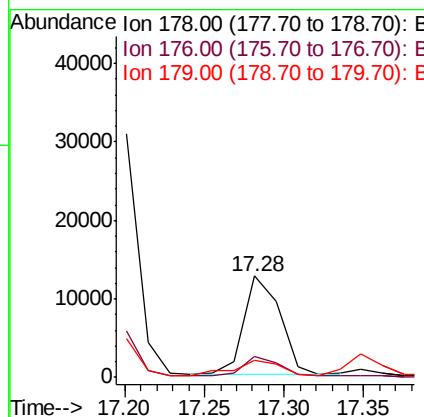
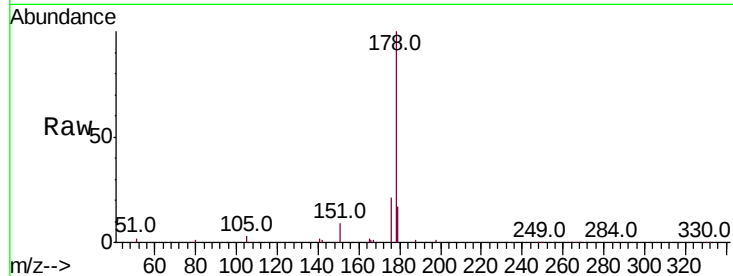
ClientSampleId :

SS043MW010-190611MS

|             |       |            |
|-------------|-------|------------|
| Tot Ion:178 | Resp: | 20035      |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 176         | 20.2  | 15.8 23.6  |
| 179         | 20.2  | 12.0 18.0# |

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#25

Fluoranthene-d10

Concen: 0.329 ng

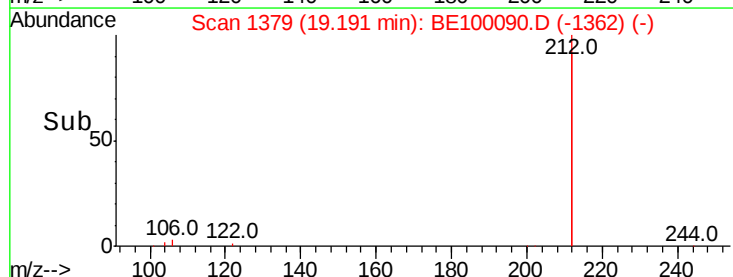
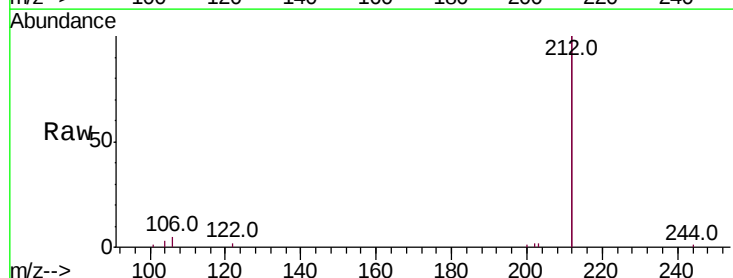
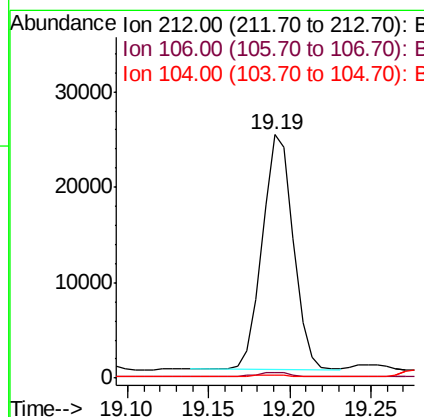
RT: 19.19 min Scan# 1379

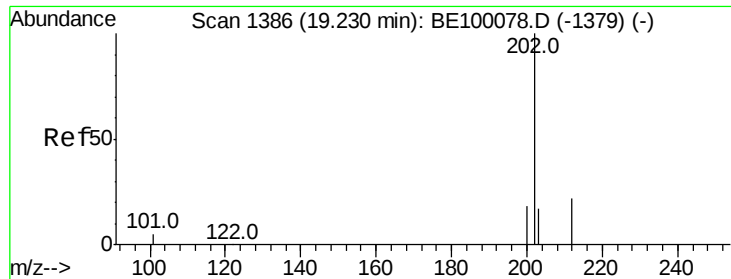
Delta R.T. -0.00 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:212 | Resp: | 32898    |
| Ion Ratio   | Lower | Upper    |
| 212         | 100   |          |
| 106         | 1.8   | 1.4 2.0  |
| 104         | 1.4   | 0.8 1.2# |





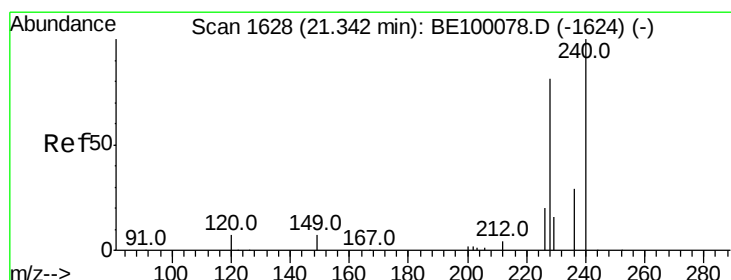
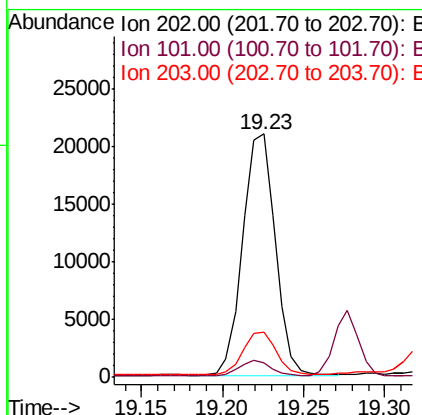
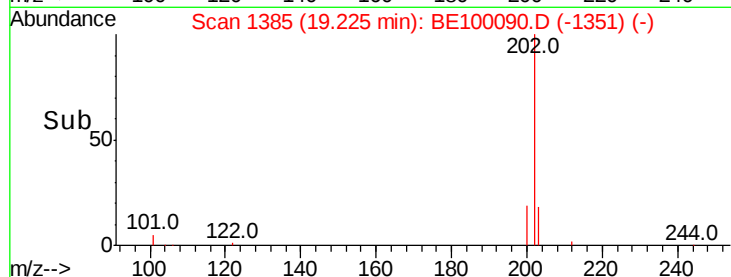
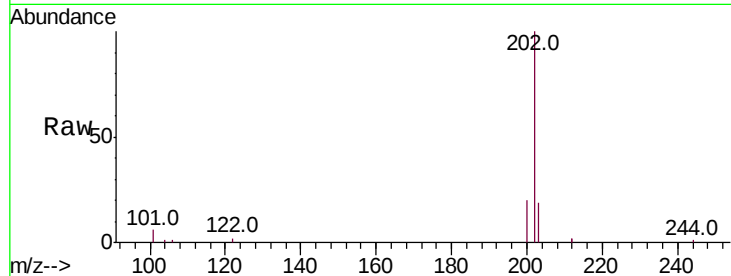
#26  
 Fluoranthene  
 Concen: 1.084 ng  
 RT: 19.23 min Scan# 1385  
 Delta R.T. -0.00 min  
 Lab File: BE100090.D  
 Acq: 19 Jun 2019 19:53

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.1   | 5.0   | 7.4   |
| 203     | 17.4  | 13.7  | 20.5  |

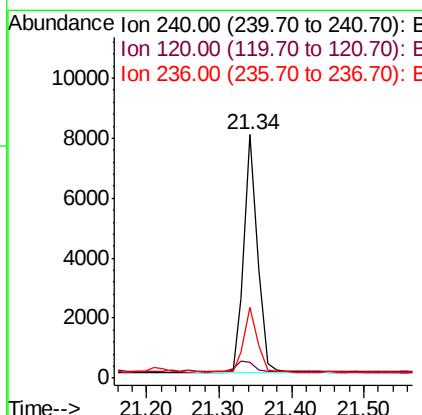
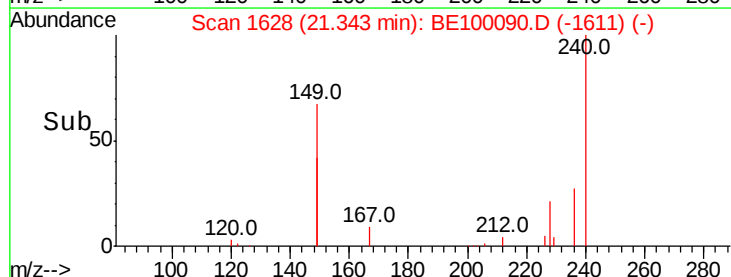
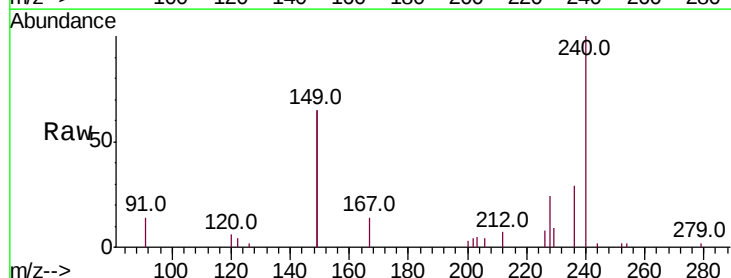
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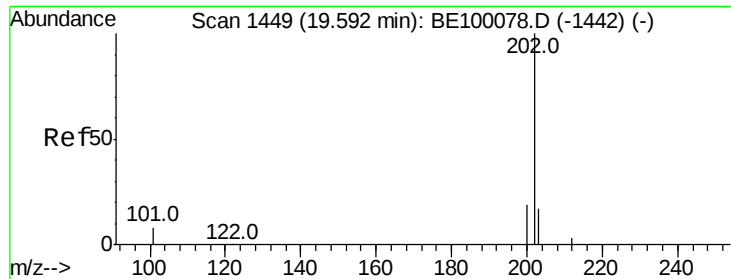
mohammad  
 6/21/2019 8:20:32 AM



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.34 min Scan# 1628  
 Delta R.T. 0.00 min  
 Lab File: BE100090.D  
 Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.2   | 6.6   | 10.0# |
| 236     | 29.2  | 23.8  | 35.6  |





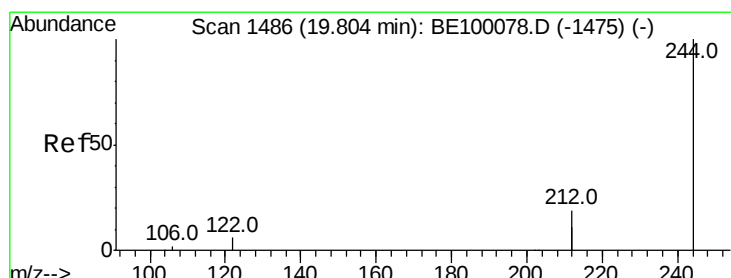
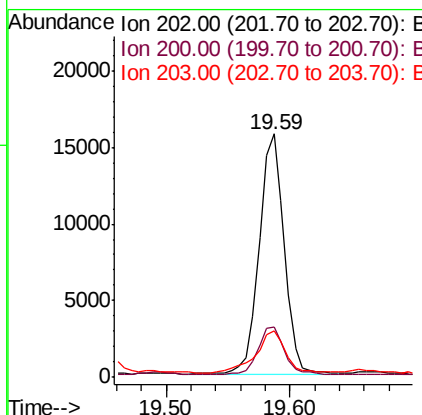
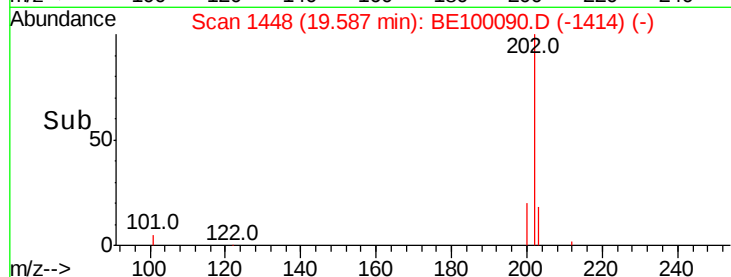
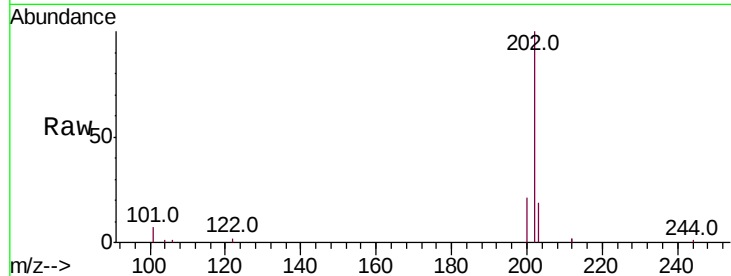
#28  
Pvrene  
Concen: 0.797 ng  
RT: 19.59 min Scan# 1448  
Delta R.T. -0.00 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 21881 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.0  | 15.6  | 23.4  |
| 203       | 20.5  | 13.9  | 20.9  |

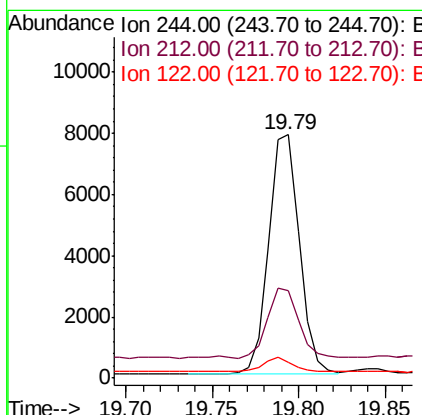
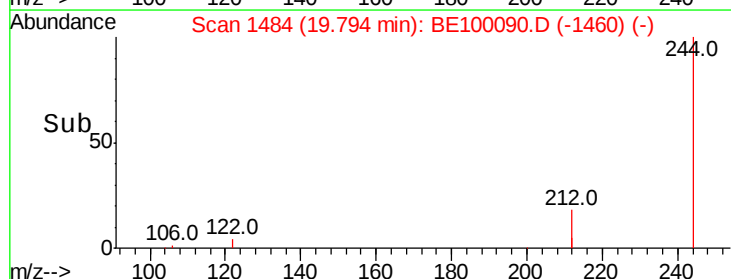
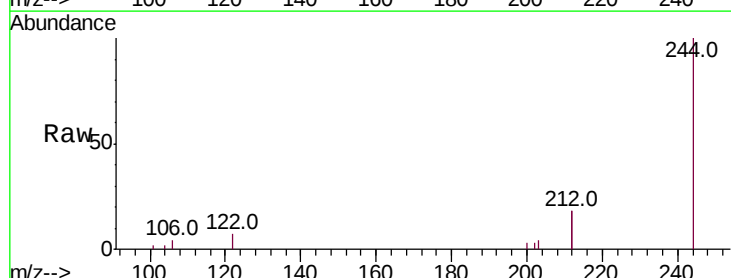
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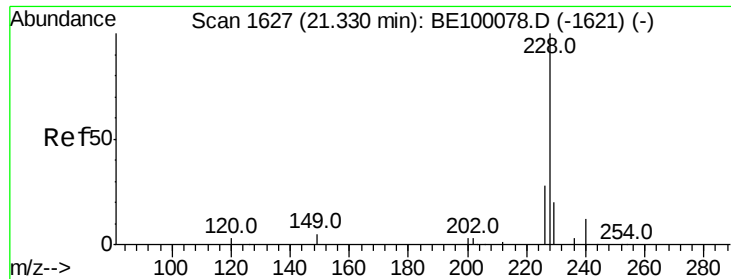
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#29  
Terphenyl-d14  
Concen: 0.453 ng  
RT: 19.79 min Scan# 1484  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 9676 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 35.9  | 29.8  | 44.8 |
| 122       | 6.6   | 6.1   | 9.1  |





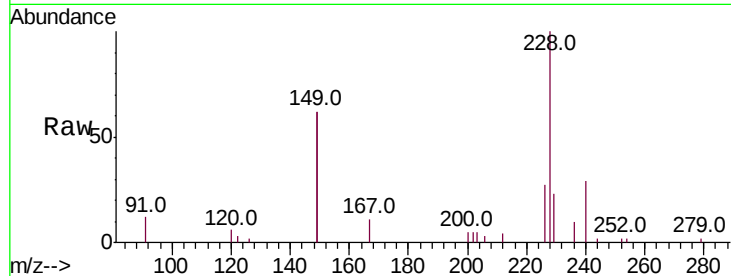
#30  
Benzo(a)anthracene  
Concen: 0.448 ng  
RT: 21.33 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

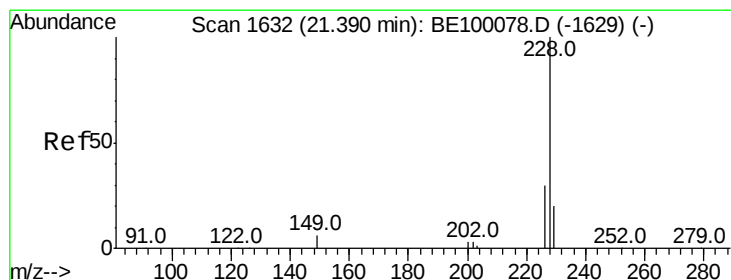
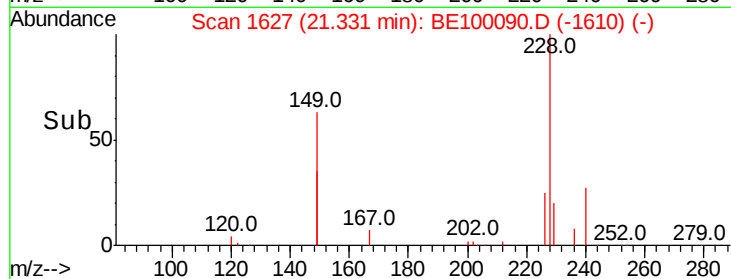
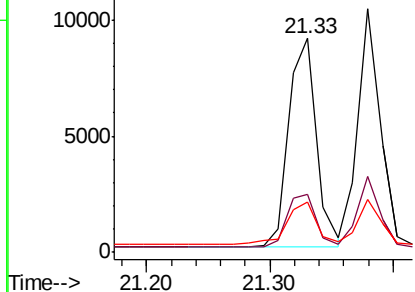
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 23.0  | 34.4  |
| 229     | 23.3  | 16.4  | 24.6  |

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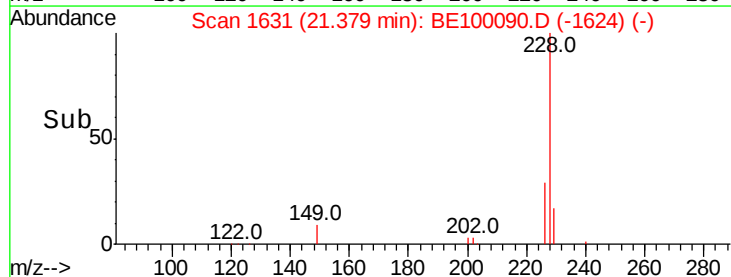
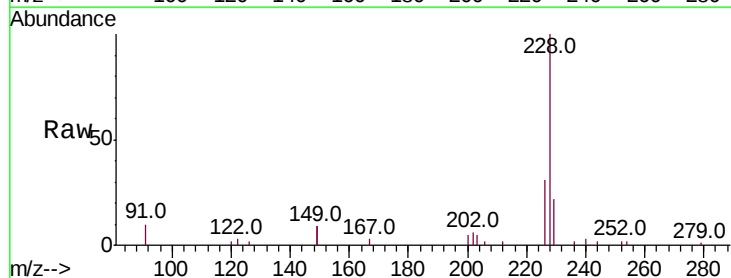
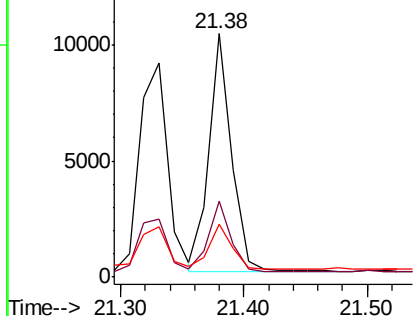
Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

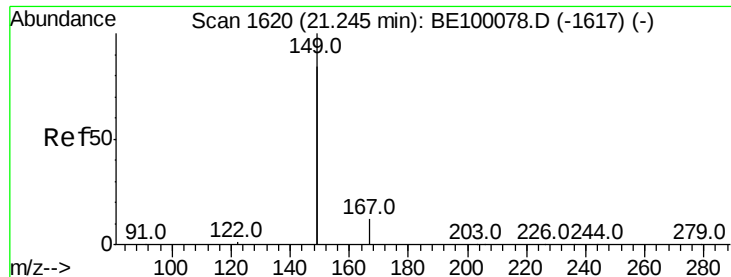


#31  
Chrysene  
Concen: 0.352 ng  
RT: 21.38 min Scan# 1631  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 23.8  | 35.8  |
| 229     | 21.9  | 16.3  | 24.5  |

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.872 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

Instrument :

BNA\_E

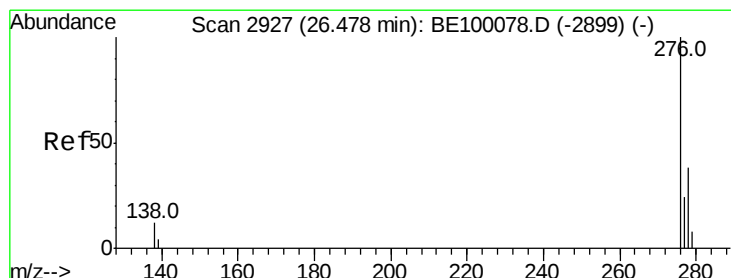
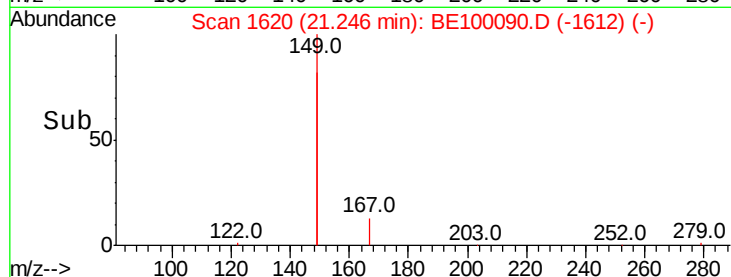
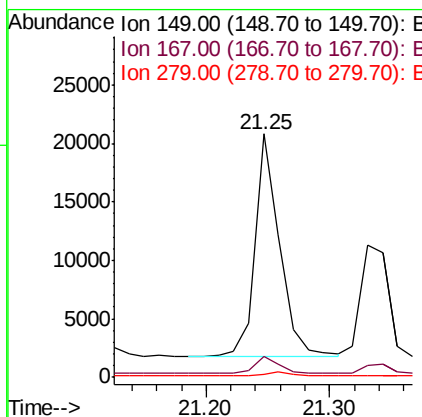
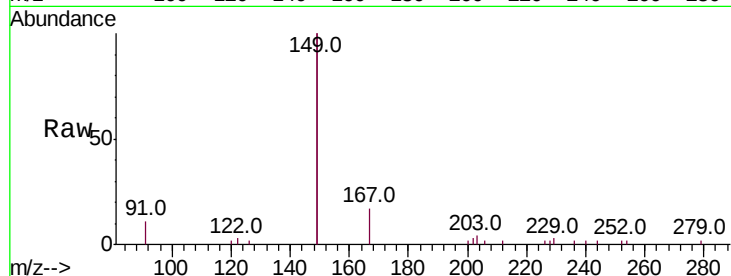
ClientSampleId :

SS043MW010-190611MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 26143 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.0   | 5.8   | 8.6   |
| 279       | 1.4   | 1.1   | 1.7   |

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.322 ng

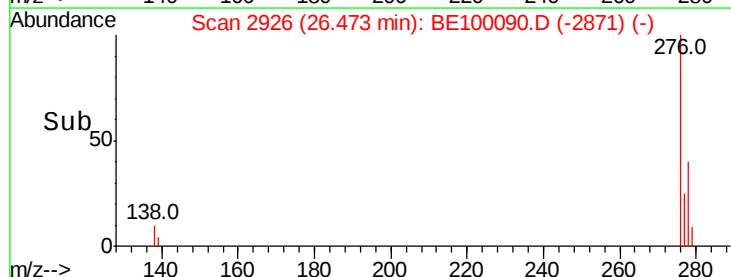
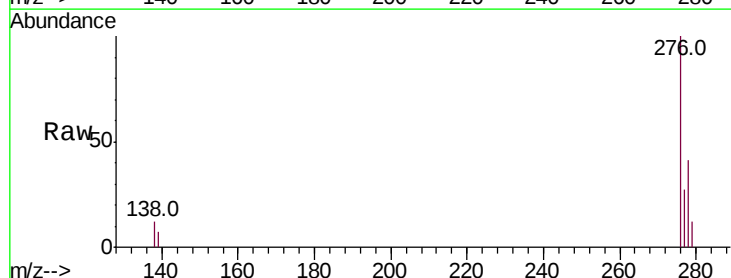
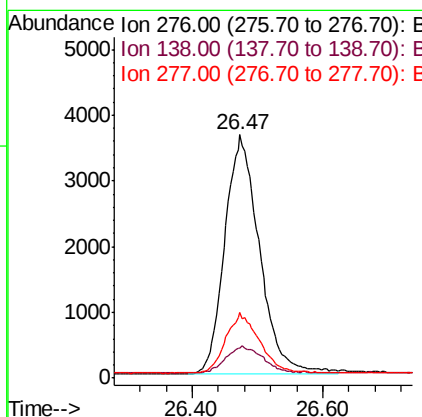
RT: 26.47 min Scan# 2926

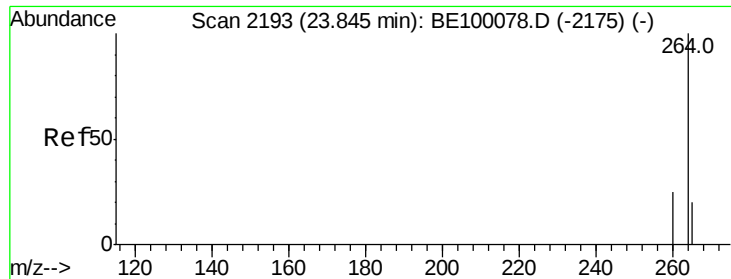
Delta R.T. -0.00 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 13386 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 11.5  | 4.3   | 6.5#  |
| 277       | 24.2  | 19.4  | 29.0  |





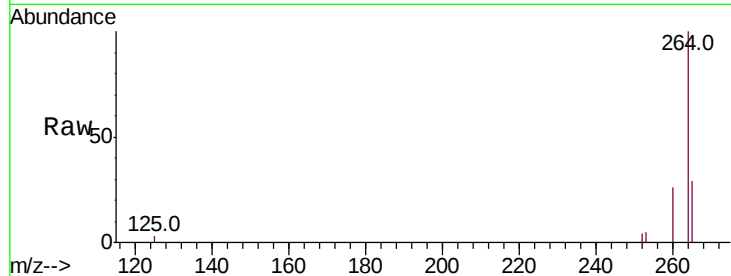
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.84 min Scan# 2191  
Delta R.T. -0.01 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.8  | 20.8  | 31.2  |
| 265     | 29.2  | 23.2  | 34.8  |

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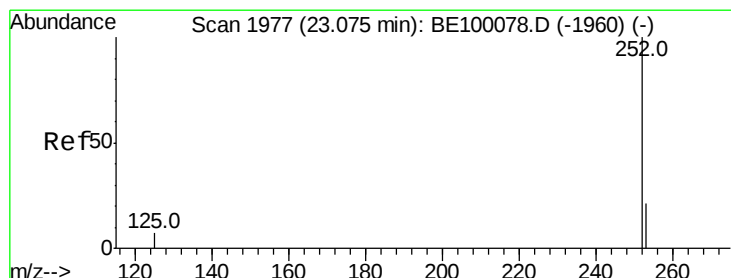
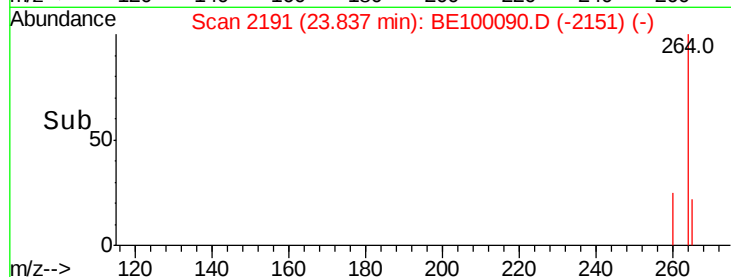
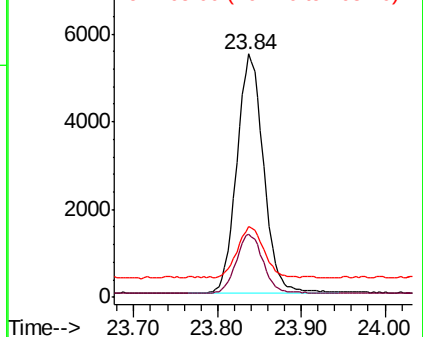


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35  
Benzo(b)fluoranthene  
Concen: 0.343 ng m  
RT: 23.07 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

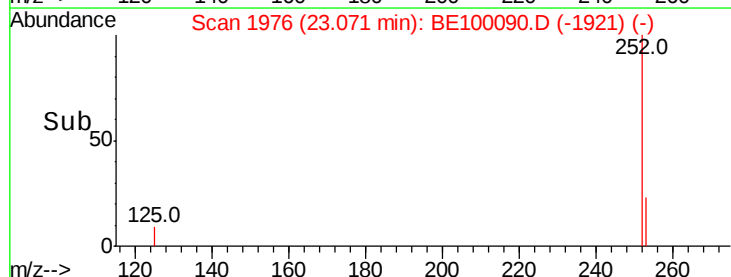
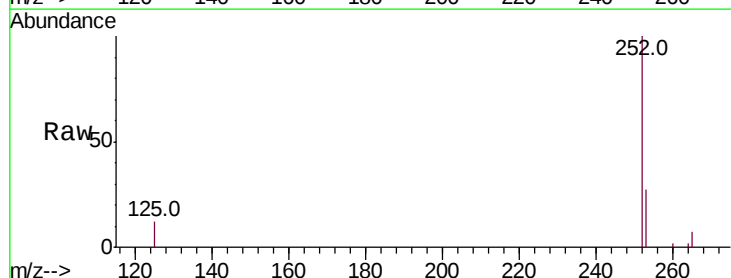
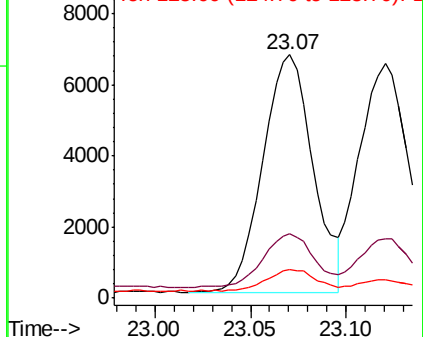
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.6  | 18.4  | 27.6  |
| 125     | 11.8  | 6.4   | 9.6   |

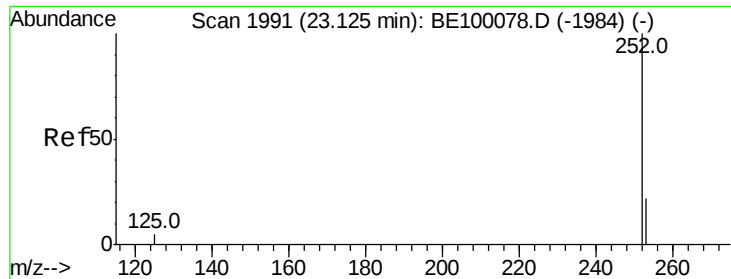
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





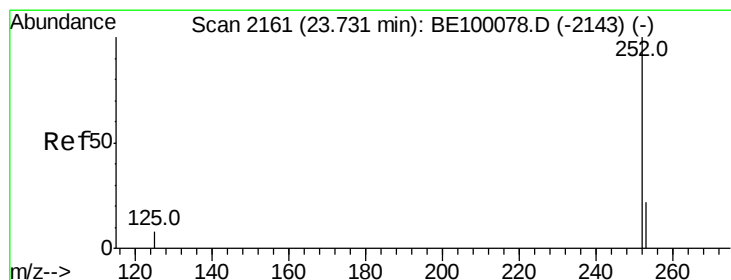
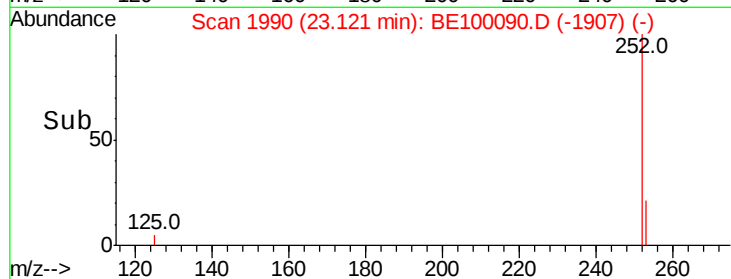
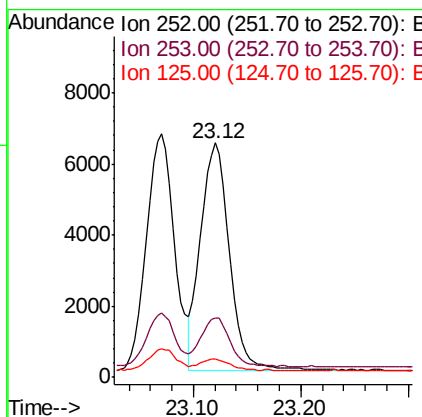
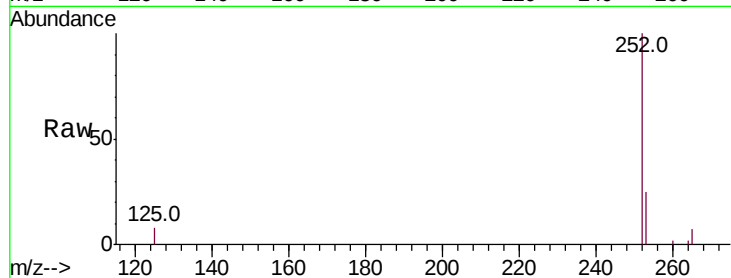
#36  
Benzo(k)fluoranthene  
Concen: 0.295 ng  
RT: 23.12 min Scan# 1990  
Delta R.T. -0.00 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

Instrument :  
BNA\_E  
ClientSampleId :  
SS043MW010-190611MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.1  | 18.9  | 28.3  |
| 125     | 7.8   | 5.3   | 7.9   |

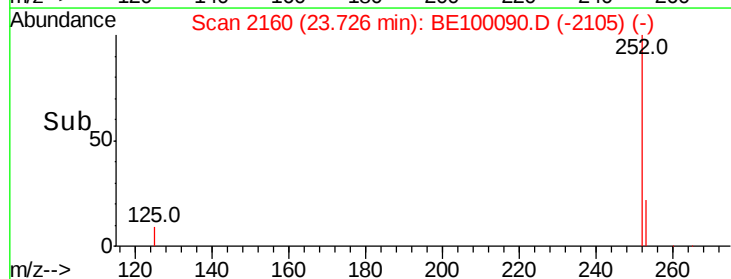
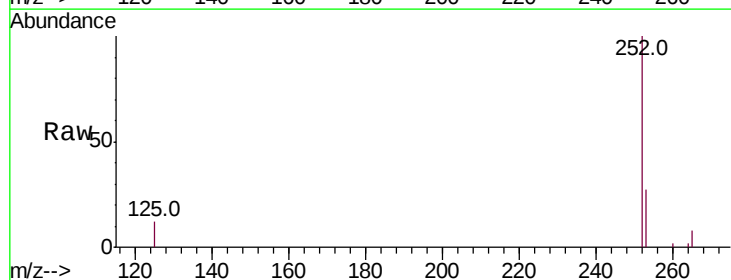
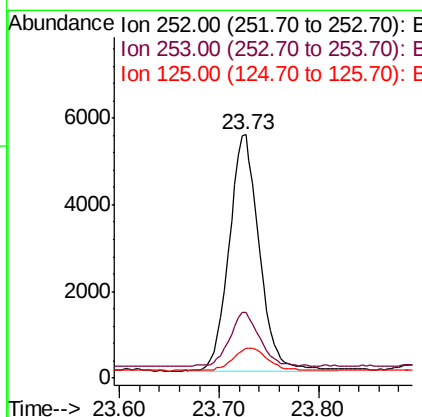
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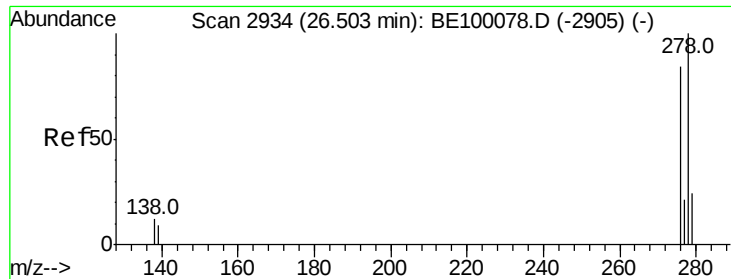
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#37  
Benzo(a)pyrene  
Concen: 0.334 ng  
RT: 23.73 min Scan# 2160  
Delta R.T. -0.00 min  
Lab File: BE100090.D  
Acq: 19 Jun 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.9  | 19.4  | 29.2  |
| 125     | 12.0  | 8.0   | 12.0# |





#38

Dibenzo(a,h)anthracene

Concen: 0.312 ng

RT: 26.51 min Scan# 2935

Delta R.T. 0.00 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

Instrument :

BNA\_E

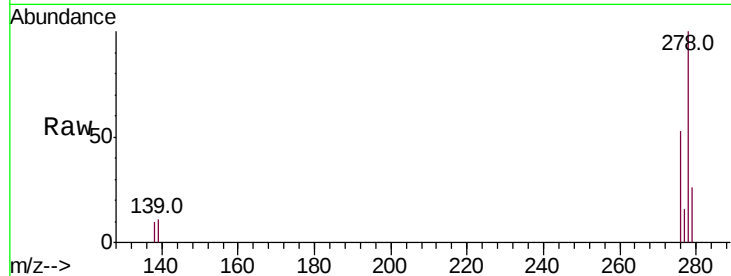
ClientSampleId :

SS043MW010-190611MS

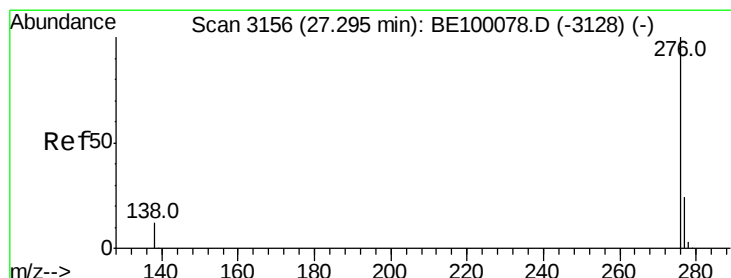
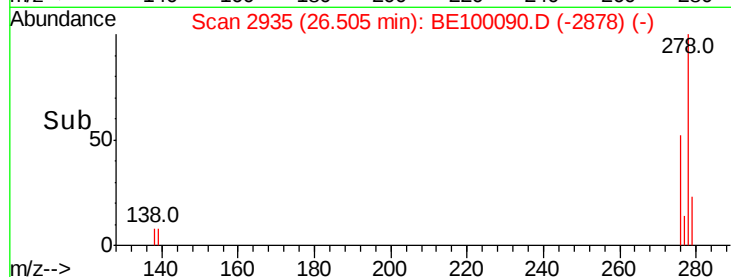
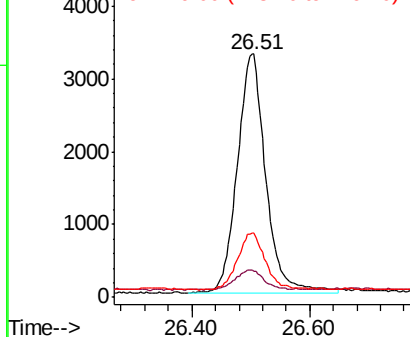
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 278   | Resp: | 11001 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 10.8  | 9.0   | 13.6  |
| 279       | 26.2  | 21.4  | 32.0  |

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Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.311 ng

RT: 27.29 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE100090.D

Acq: 19 Jun 2019 19:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 11384 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.5  | 20.3  | 30.5  |
| 138       | 12.2  | 11.3  | 16.9  |

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

