

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\  
 Data File : BE100705.D  
 Acq On : 7 Nov 2019 17:20  
 Operator : JU  
 Sample : K5725-03MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SO-3MSD

Manual Integrations  
 APPROVED

Sohil  
 11/8/2019 3:32:26 PM

Quant Time: Nov 08 11:35:01 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 23 16:49:33 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 4395     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.64 | 136  | 24208    | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 37431    | 0.40 | ng    | 0.04     |
| 19) Phenanthrene-d10      | 17.25 | 188  | 27861    | 0.40 | ng    | 0.05     |
| 27) Chrysene-d12          | 21.38 | 240  | 24023    | 0.40 | ng    | 0.02     |
| 34) Perylene-d12          | 23.86 | 264  | 31716    | 0.40 | ng    | 0.02     |

#### System Monitoring Compounds

|                             |       |     |         |      |    |      |
|-----------------------------|-------|-----|---------|------|----|------|
| 4) 2-Fluorophenol           | 5.45  | 112 | 3048    | 0.22 | ng | 0.00 |
| 5) Phenol-d6                | 7.01  | 99  | 6748    | 0.35 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.00  | 82  | 101382  | 6.76 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152 | 26813   | 0.70 | ng | 0.03 |
| 14) 2,4,6-Tribromophenol    | 16.01 | 330 | 788     | 0.08 | ng | 0.07 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 12169m  | 0.09 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.26 | 212 | 339990m | 0.95 | ng | 0.05 |
| 29) Terphenyl-d14           | 19.84 | 244 | 25742   | 0.49 | ng | 0.03 |

#### Target Compounds

|                                |       |     |          |        |    | Qvalue |
|--------------------------------|-------|-----|----------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.38  | 88  | 1166     | 0.149  | ng | # 53   |
| 3) n-Nitrosodimethylamine      | 3.68  | 42  | 1441     | 0.174  | ng | # 86   |
| 6) bis(2-Chloroethyl)ether     | 7.27  | 93  | 6635     | 0.422  | ng | # 1    |
| 9) Naphthalene                 | 10.69 | 128 | 1075254  | 4.224  | ng | # 95   |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 2040     | 0.184  | ng | # 97   |
| 12) 2-Methylnaphthalene        | 12.32 | 142 | 142000   | 3.273  | ng | # 42   |
| 16) Acenaphthylene             | 14.24 | 152 | 226686   | 1.407  | ng | # 28   |
| 17) Acenaphthene               | 14.57 | 154 | 200355   | 1.925  | ng | # 65   |
| 18) Fluorene                   | 15.55 | 166 | 563737   | 4.078  | ng | # 59   |
| 20) 4-Bromophenyl-phenylether  | 16.44 | 248 | 8994     | 0.634  | ng | # 1    |
| 21) Hexachlorobenzene          | 16.60 | 284 | 2923m    | 0.216  | ng | # 8    |
| 22) Pentachlorophenol          | 16.87 | 266 | 1770     | 0.407  | ng | # 72   |
| 23) Phenanthrene               | 17.29 | 178 | 2068145  | 26.987 | ng | # 83   |
| 24) Anthracene                 | 17.37 | 178 | 376936   | 5.301  | ng | # 98   |
| 26) Fluoranthene               | 19.33 | 202 | 3329838  | 33.292 | ng | # 85   |
| 28) Pyrene                     | 19.67 | 202 | 4092693  | 60.978 | ng | # 92   |
| 30) Benzo(a)anthracene         | 21.37 | 228 | 2553516  | 32.585 | ng | # 94   |
| 31) Chrysene                   | 21.43 | 228 | 2155257  | 27.520 | ng | # 93   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 91899    | 0.561  | ng | # 95   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.49 | 276 | 2363713  | 24.558 | ng | # 99   |
| 35) Benzo(b)fluoranthene       | 23.11 | 252 | 3601840  | 38.947 | ng | # 98   |
| 36) Benzo(k)fluoranthene       | 23.15 | 252 | 1260423m | 13.252 | ng | # 95   |
| 37) Benzo(a)pyrene             | 23.76 | 252 | 2825147  | 32.818 | ng | # 99   |
| 38) Dibenzo(a,h)anthracene     | 26.50 | 278 | 657085   | 7.385  | ng | # 98   |
| 39) Benzo(g,h,i)perylene       | 27.30 | 276 | 2231354  | 24.935 | ng | # 95   |

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

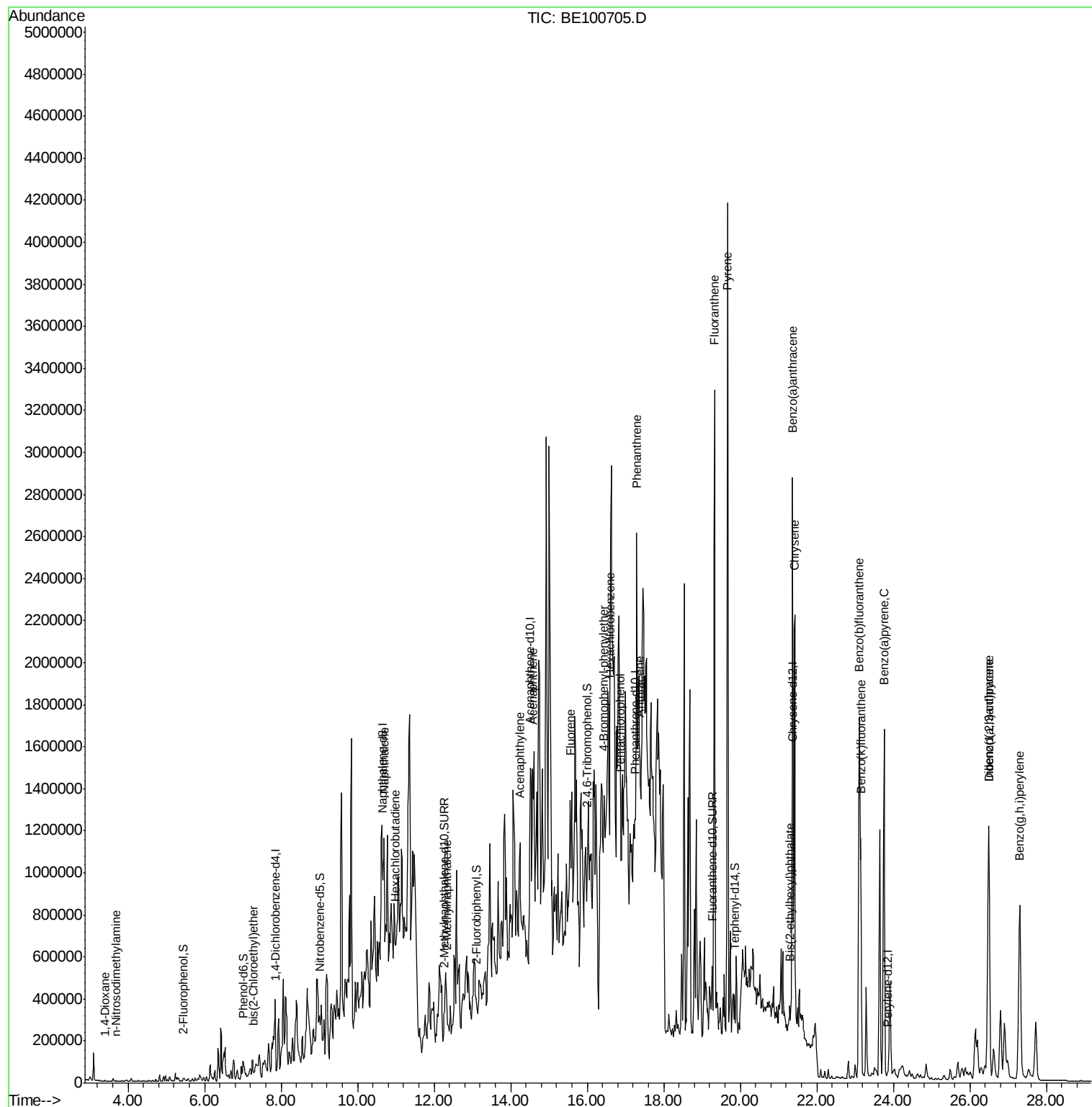
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\  
Data File : BE100705.D  
Acq On : 7 Nov 2019 17:20  
Operator : JU  
Sample : K5725-03MSD  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

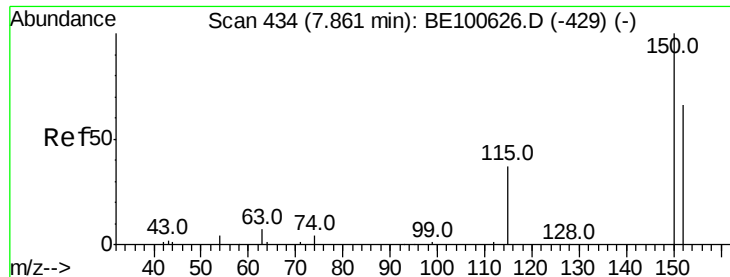
Instrument :  
BNA\_E  
ClientSampled :  
SO-3MSD

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11/8/2019 3:32:26 PM

Quant Time: Nov 08 11:35:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 23 16:49:33 2019  
Response via : Initial Calibration





#1

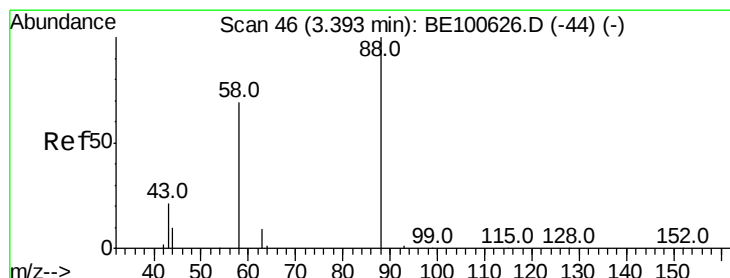
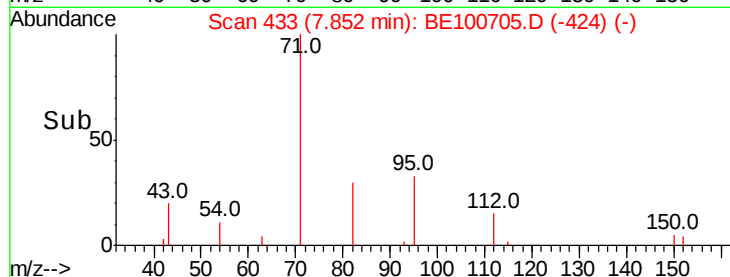
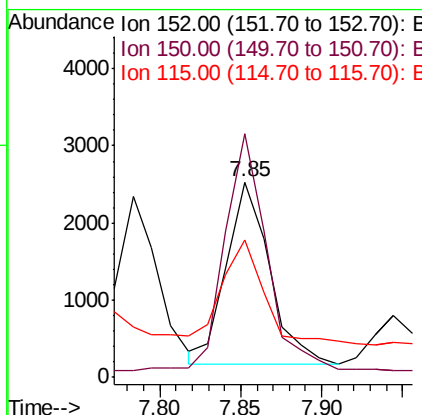
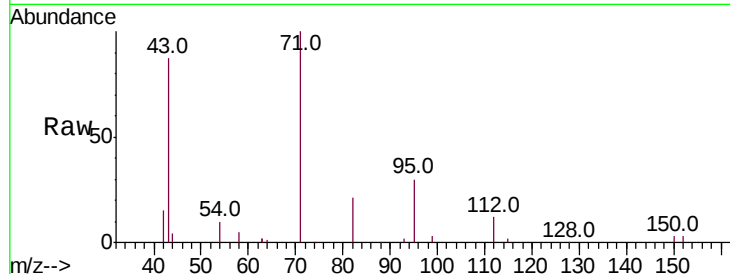
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.85 min Scan# 433  
Delta R.T. 0.00 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

Instrument :  
BNA\_E  
ClientSampleId :  
SO-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 124.5 | 123.3 | 184.9 |
| 115     | 70.4  | 51.9  | 77.9  |

Manual Integrations  
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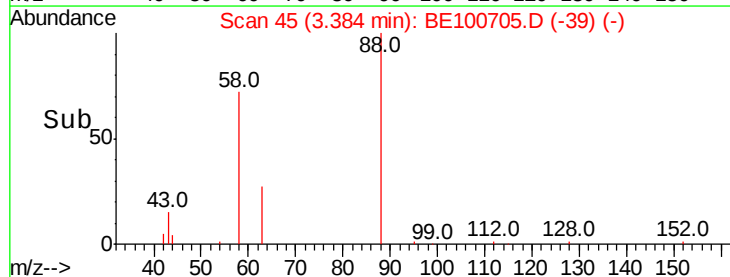
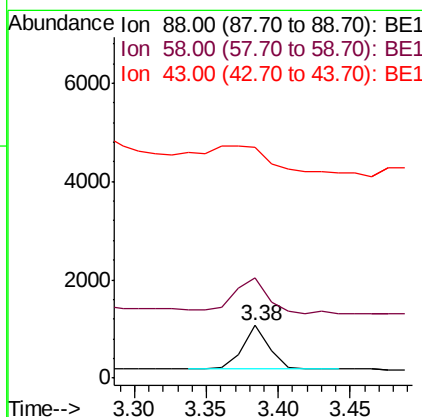
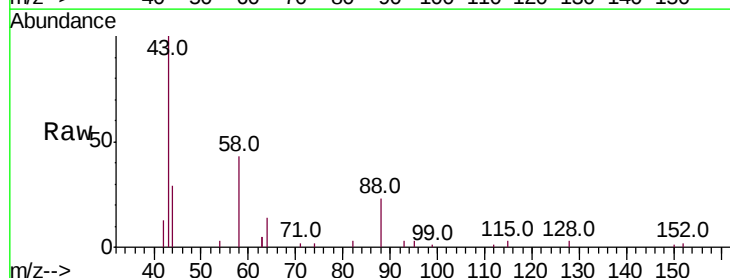
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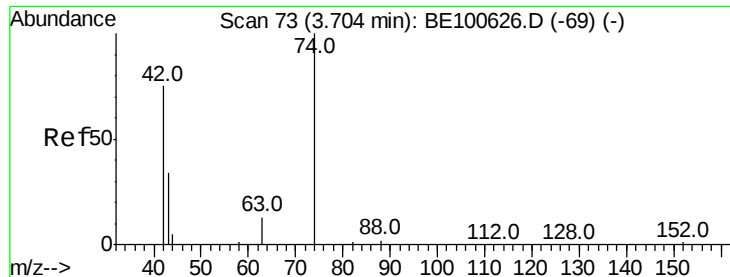


#2

1,4-Dioxane  
Concen: 0.149 ng  
RT: 3.38 min Scan# 45  
Delta R.T. 0.00 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 111.1 | 59.8  | 89.6# |
| 43      | 0.0   | 24.6  | 36.8# |





#3

n-Nitrosodimethylamine

Concen: 0.174 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

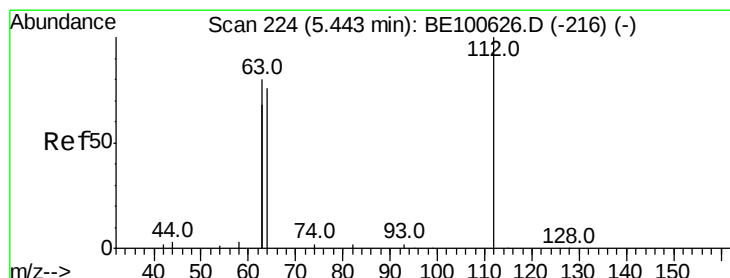
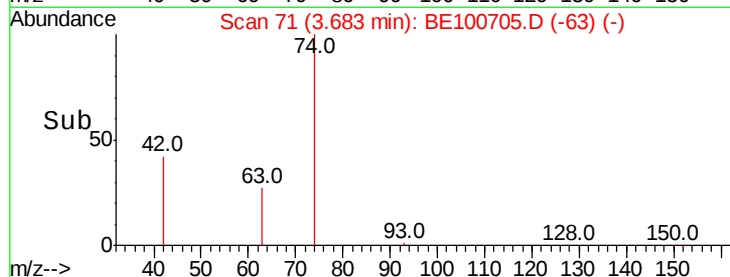
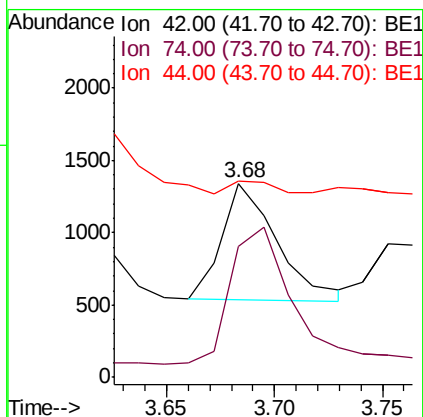
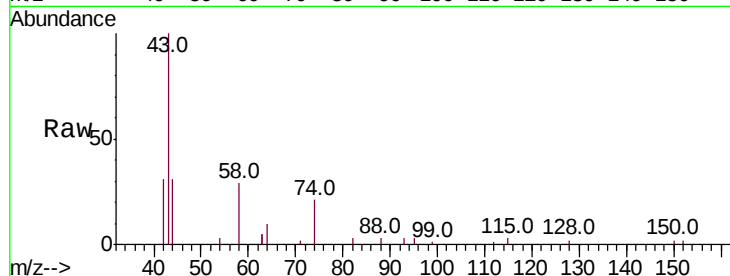
ClientSampled :

SO-3MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 42    | Resp: | 1441  |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 135.9 | 97.2  | 145.8 |
| 44        | 10.5  | 16.6  | 24.8# |

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#4

2-Fluorophenol

Concen: 0.225 ng

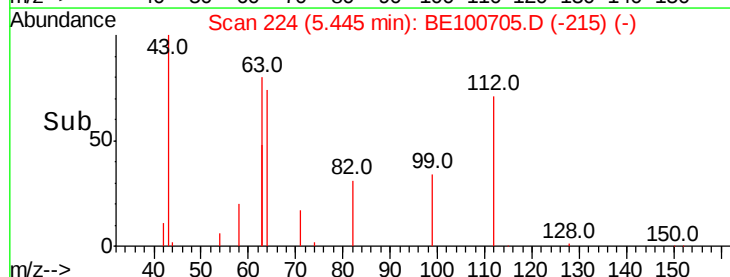
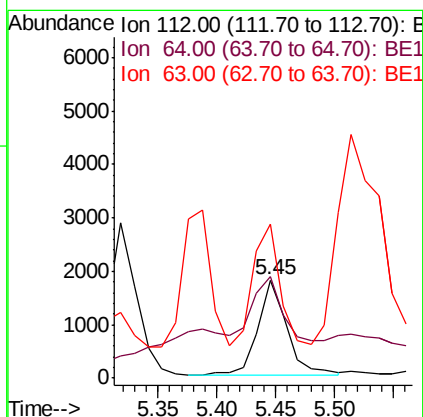
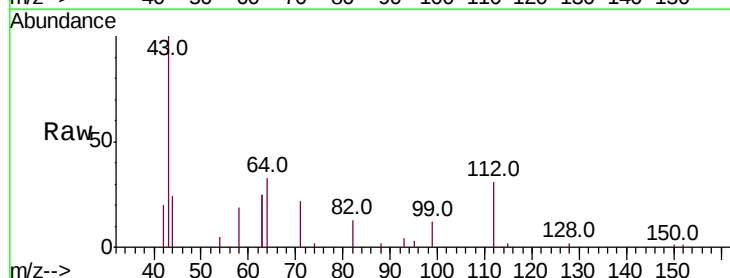
RT: 5.45 min Scan# 224

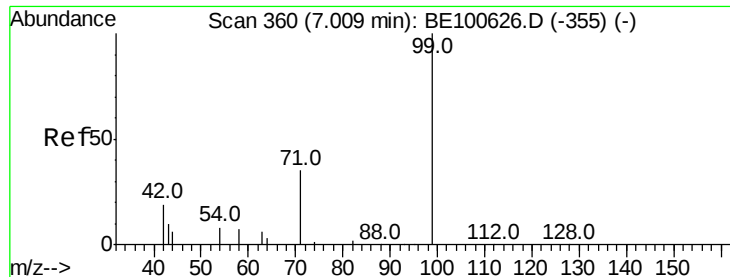
Delta R.T. 0.00 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 3048  |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 65.7  | 55.4  | 83.2  |
| 63        | 116.3 | 114.2 | 171.4 |





#5

Phenol-d6

Concen: 0.353 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampled :

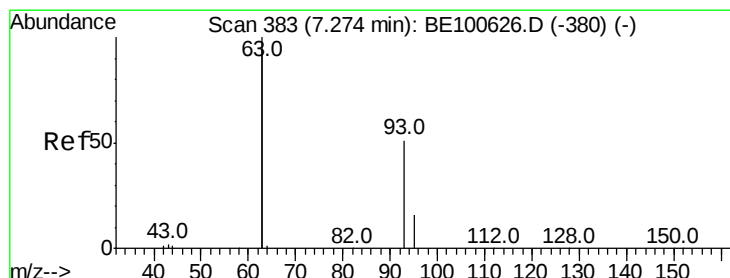
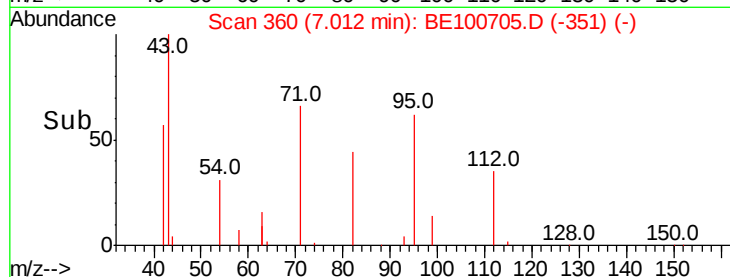
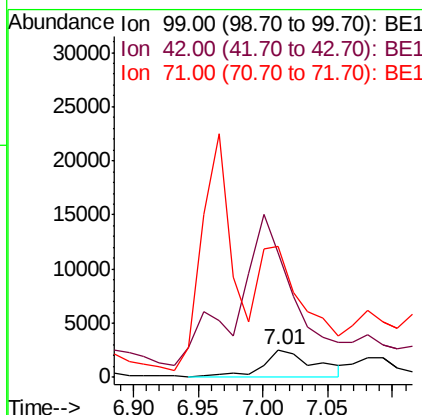
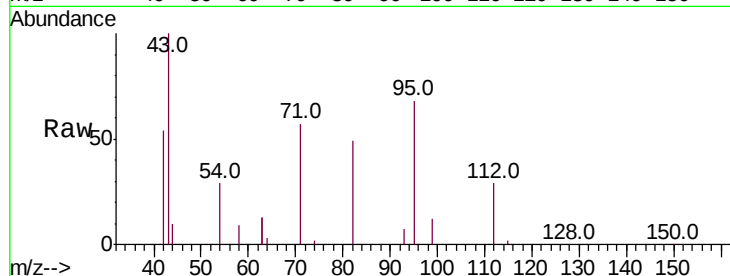
SO-3MSD

Tot Ion: 99 Resp: 6748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 619.6 | 17.7  | 26.5# |
| 71  | 319.0 | 27.4  | 41.0# |

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#6

bis(2-Chloroethyl)ether

Concen: 0.422 ng

RT: 7.27 min Scan# 382

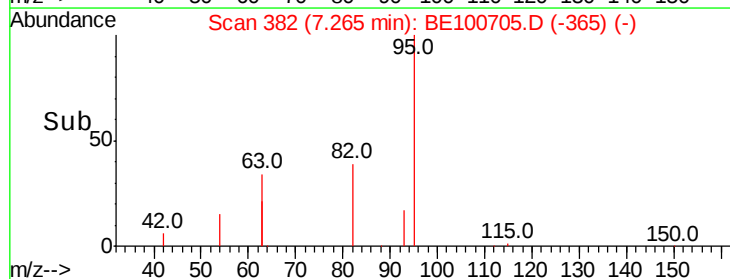
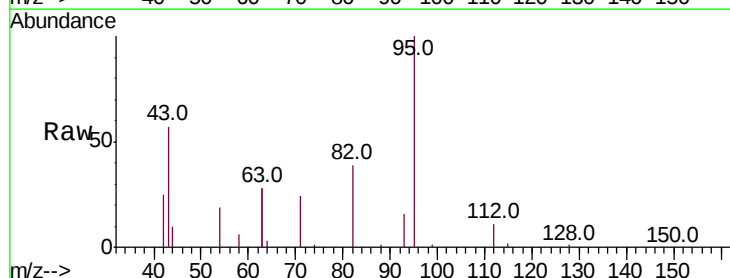
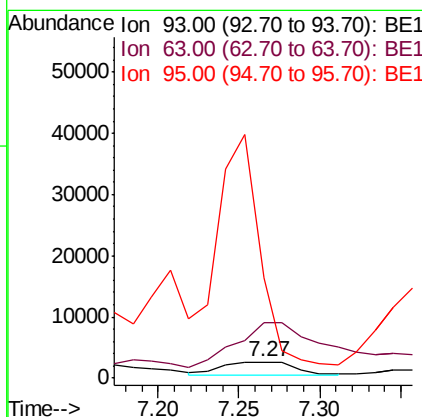
Delta R.T. -0.01 min

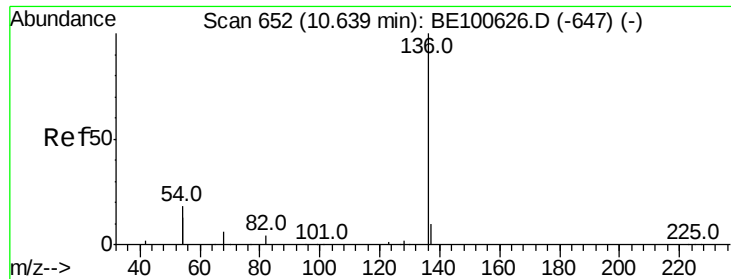
Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Tgt Ion: 93 Resp: 6635

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 93  | 100    |       |        |
| 63  | 520.2  | 268.8 | 403.2# |
| 95  | 1362.6 | 25.6  | 38.4#  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampled :

SO-3MSD

Tot Ion:136 Resp: 24208

Ion Ratio Lower Upper

136 100

137 127.3 9.2 13.8#

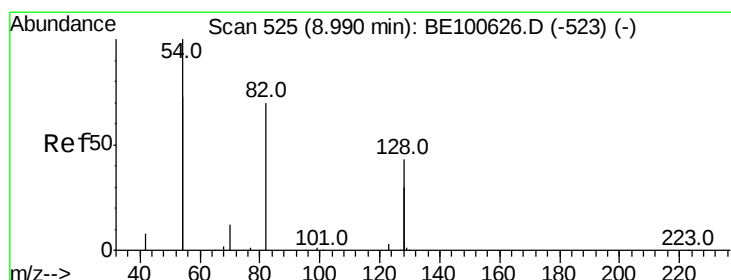
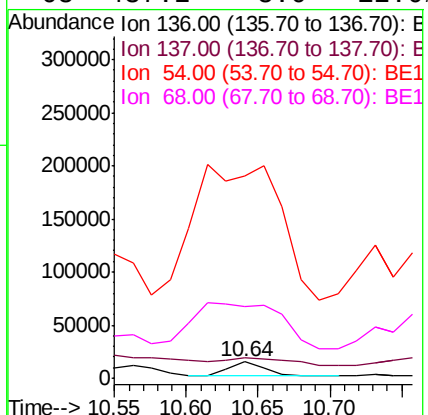
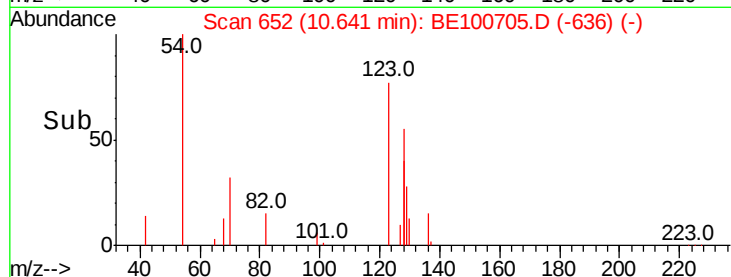
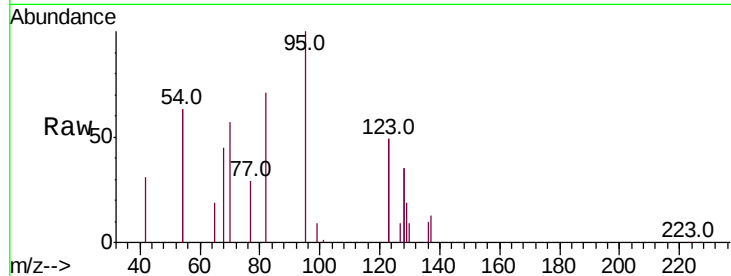
54 1227.6 39.4 59.2#

68 437.2 8.0 12.0#

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#8

Nitrobenzene-d5

Concen: 6.757 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

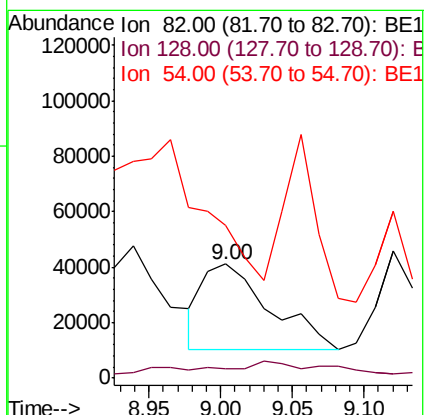
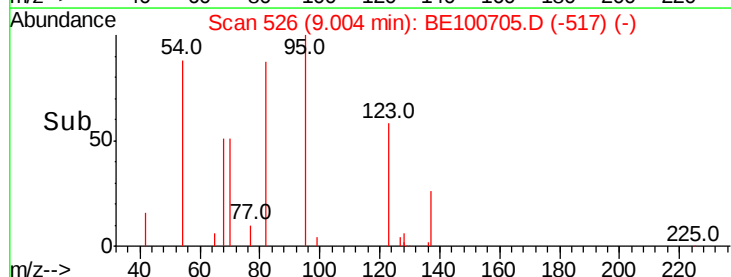
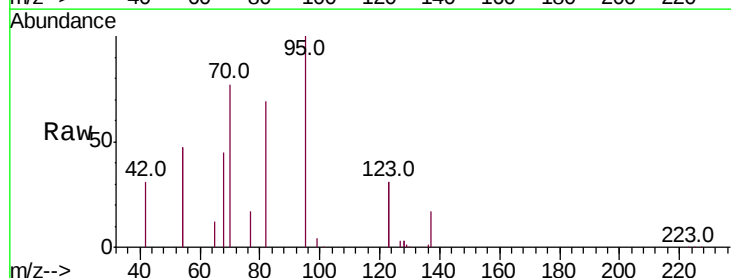
Tgt Ion: 82 Resp: 101382

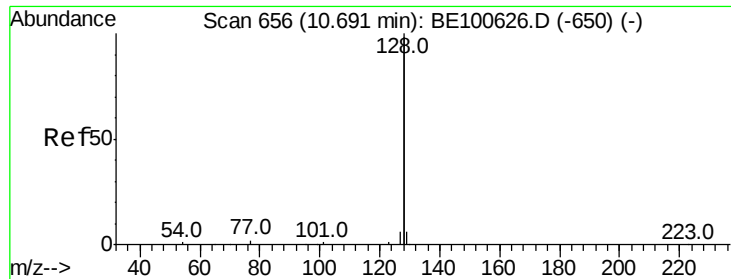
Ion Ratio Lower Upper

82 100

128 8.7 107.8 161.8#

54 134.4 166.1 249.1#





#9

Naphthalene

Concen: 4.224 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

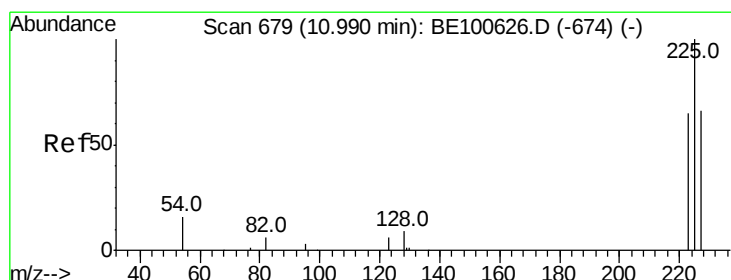
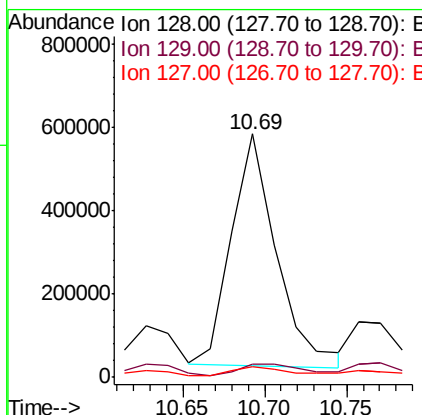
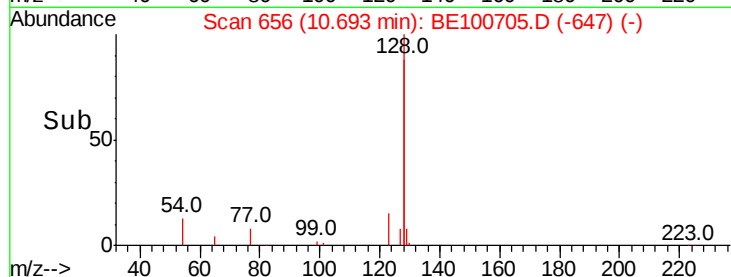
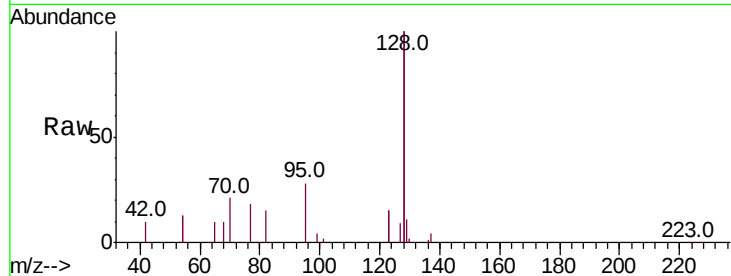
ClientSampleId :

SO-3MSD

|     |         |       |         |
|-----|---------|-------|---------|
| Tot | Ion:128 | Resp: | 1075254 |
| Ion | Ratio   | Lower | Upper   |
| 128 | 100     |       |         |
| 129 | 5.3     | 2.3   | 3.5#    |
| 127 | 4.6     | 2.7   | 4.1#    |

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#10

Hexachlorobutadiene

Concen: 0.184 ng

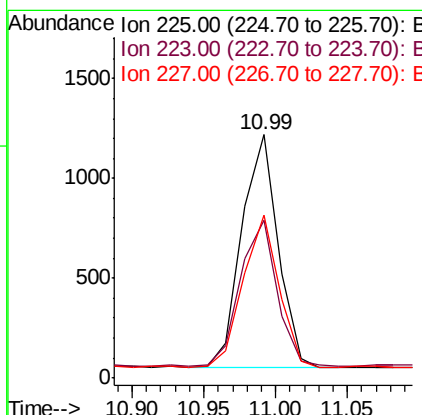
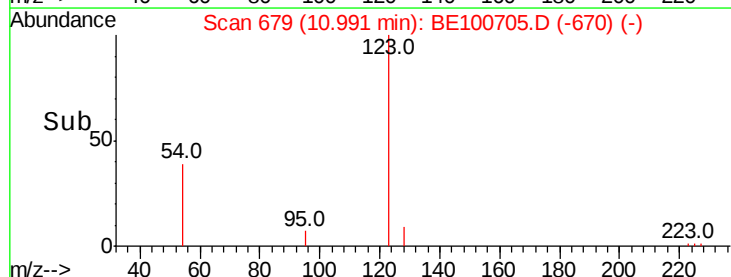
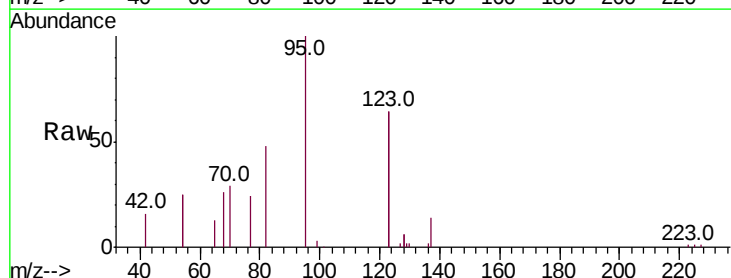
RT: 10.99 min Scan# 679

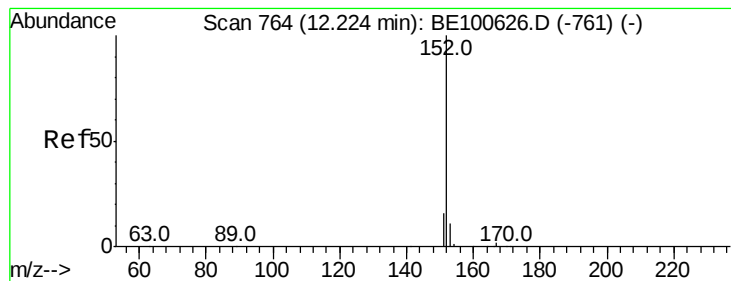
Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

|         |       |             |            |
|---------|-------|-------------|------------|
| Tgt Ion | 225   | Resp: Lower | 2040 Upper |
|         | Ratio |             |            |
| 225     | 100   |             |            |
| 223     | 63.9  | 48.6        | 72.8       |
| 227     | 65.4  | 51.6        | 77.4       |





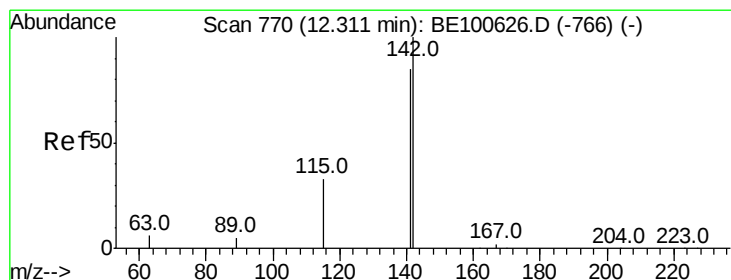
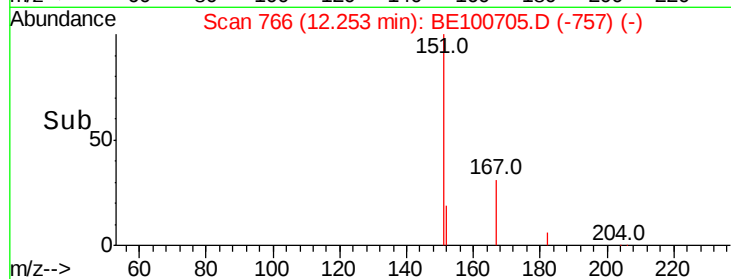
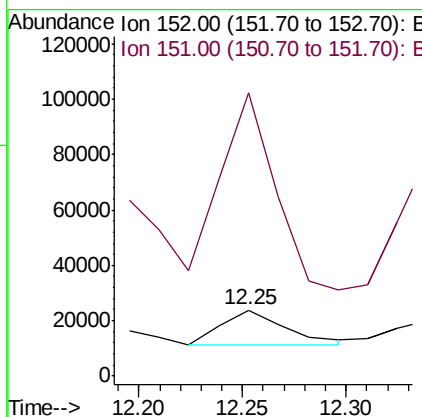
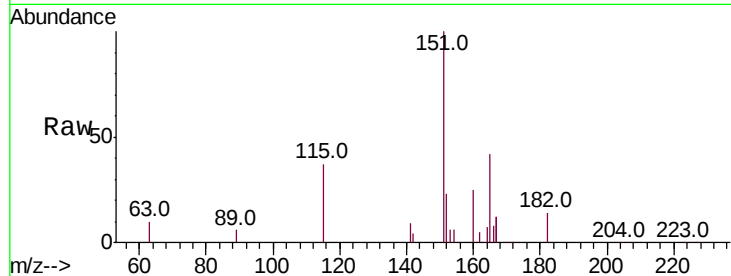
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 2-Methylnaphthalene-d10  
 Concen: 0.702 ng  
 RT: 12.25 min Scan# 766  
 Delta R.T. 0.03 min  
 Lab File: BE100705.D  
 Acq: 7 Nov 2019 17:20

Instrument :  
 BNA\_E  
 ClientSampled :  
 SO-3MSD

Tot Ion:152 Resp: 26813  
 Ion Ratio Lower Upper  
 152 100  
 151 477.9 14.7 22.1#

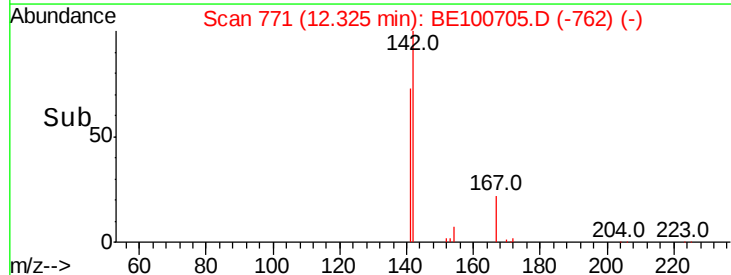
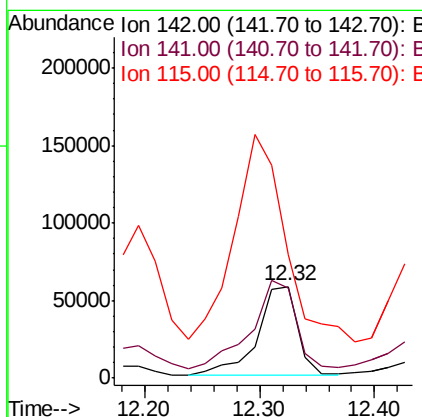
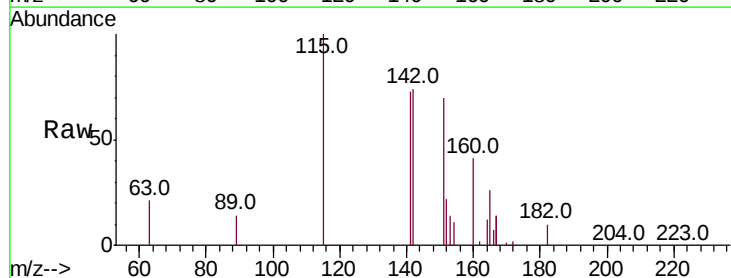
Manual Integrations  
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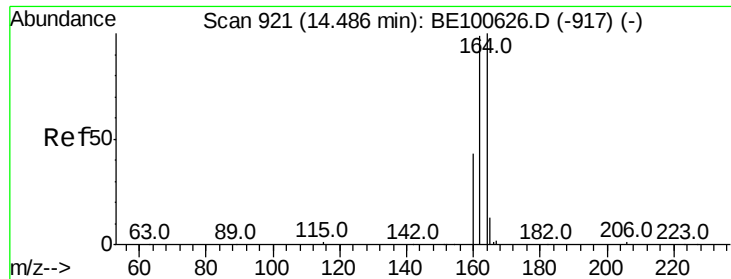
Sohil  
 11/8/2019 3:32:26 PM



#12  
 2-Methylnaphthalene  
 Concen: 3.273 ng  
 RT: 12.32 min Scan# 771  
 Delta R.T. 0.03 min  
 Lab File: BE100705.D  
 Acq: 7 Nov 2019 17:20

Tgt Ion:142 Resp: 142000  
 Ion Ratio Lower Upper  
 142 100  
 141 98.9 70.1 105.1  
 115 134.7 28.3 42.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampleId :

SO-3MSD

Tot Ion:164 Resp: 37431

Ion Ratio Lower Upper

164 100

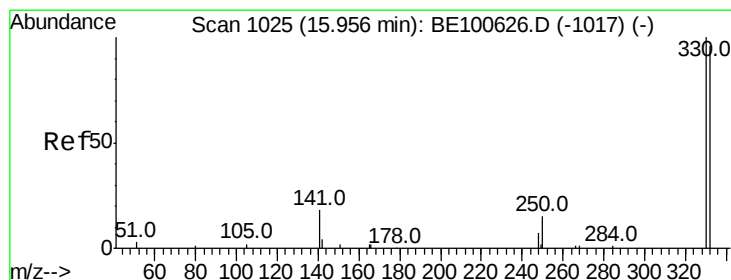
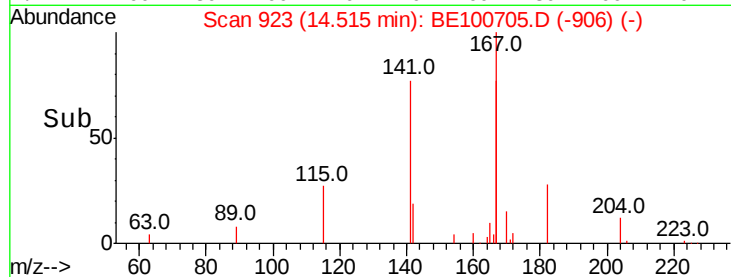
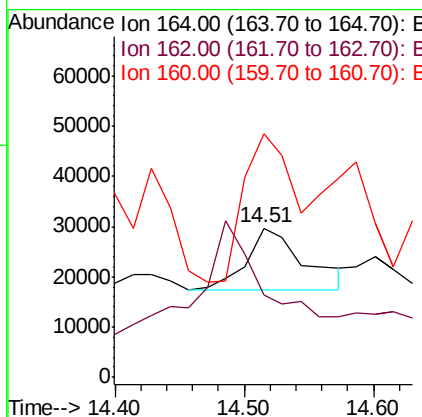
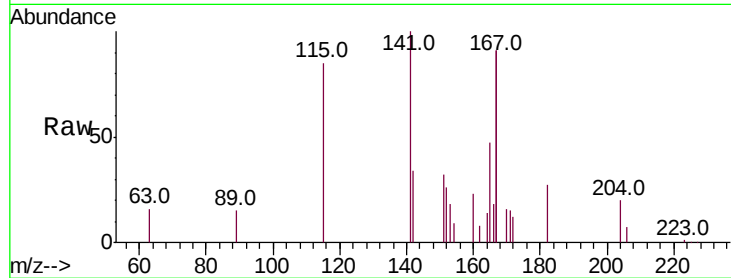
162 55.5 82.0 123.0#

160 163.5 37.5 56.3#

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#14

2,4,6-Tribromophenol

Concen: 0.080 ng

RT: 16.01 min Scan# 1029

Delta R.T. 0.07 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

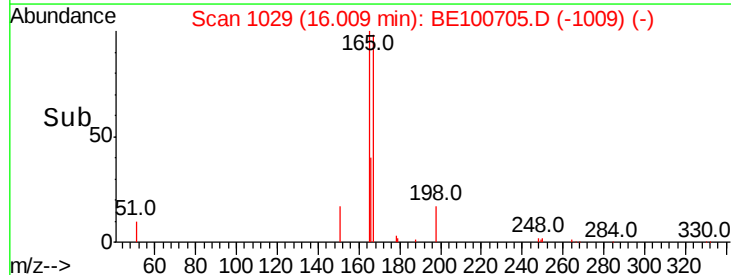
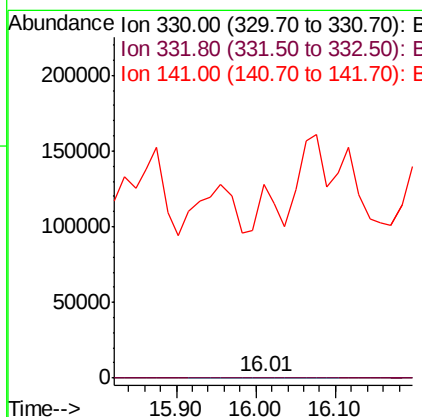
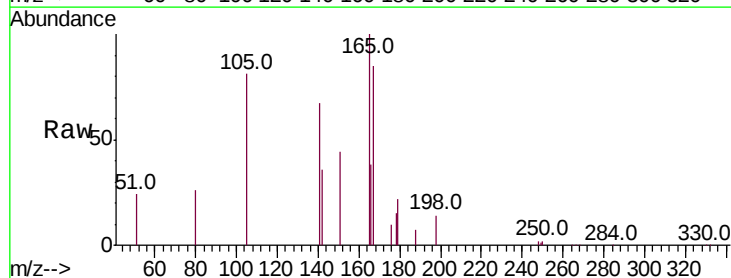
Tgt Ion:330 Resp: 788

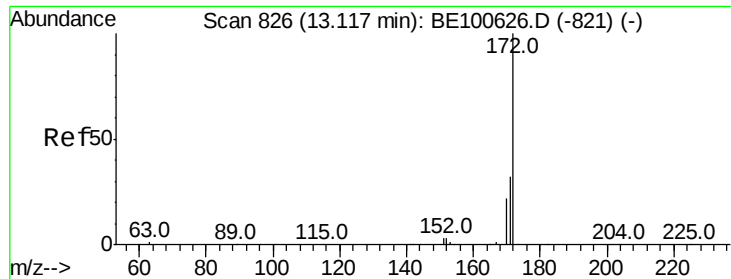
Ion Ratio Lower Upper

330 100

332 87.6 77.9 116.9

141 6022.1 33.0 49.6#





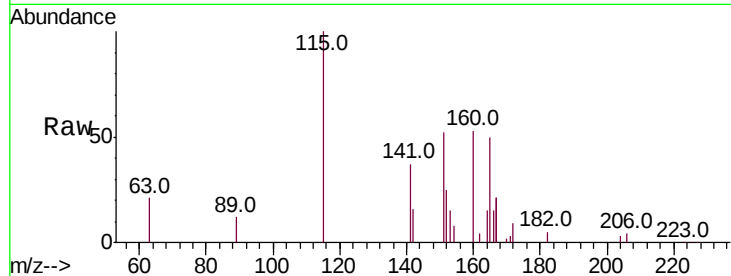
#15  
2-Fluorobiphenyl  
Concen: 0.089 ng m  
RT: 13.12 min Scan# 826  
Delta R.T. 0.01 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

Instrument :  
BNA\_E  
ClientSampleId :  
SO-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 26.5  | 39.7  |
| 170     | 20.7  | 19.0  | 28.4  |

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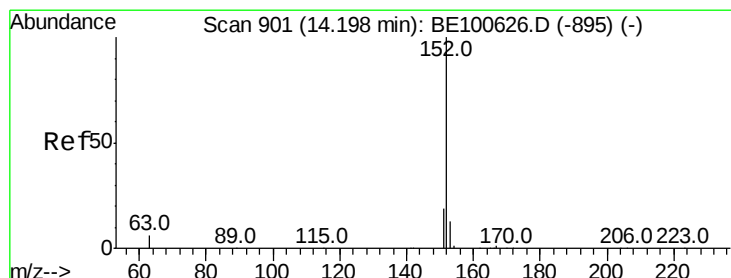
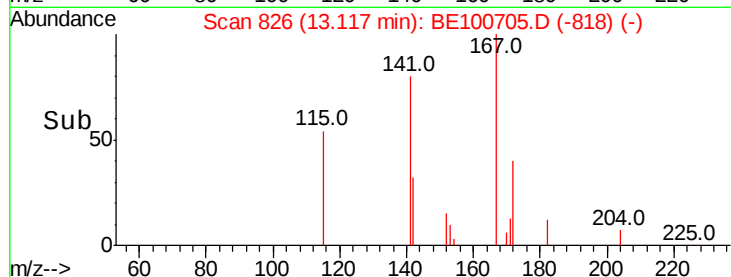
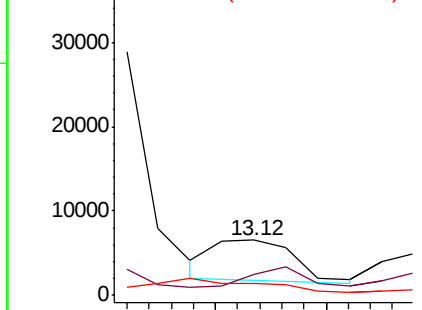


Abundance

Ion 172.00 (171.70 to 172.70): E

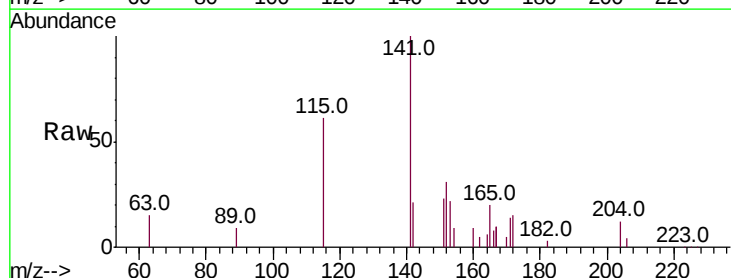
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16  
Acenaphthylene  
Concen: 1.407 ng  
RT: 14.24 min Scan# 904  
Delta R.T. 0.04 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 33.6  | 15.2  | 22.8# |
| 153     | 65.0  | 10.3  | 15.5# |

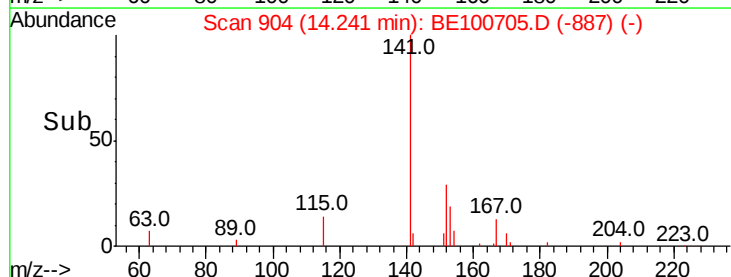
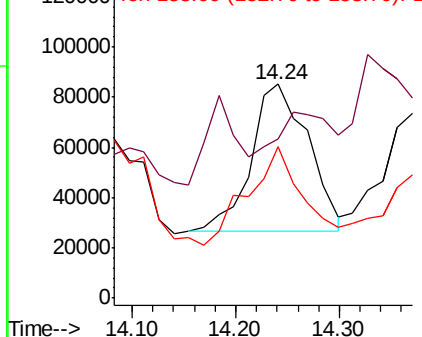


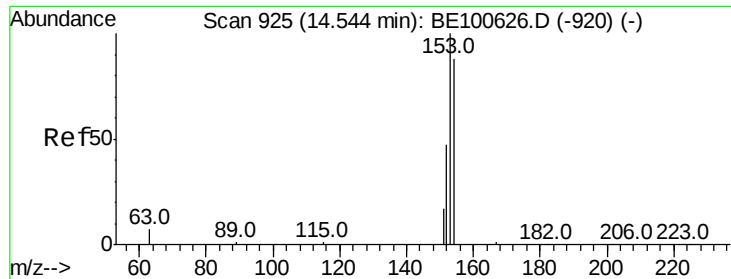
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 1.925 ng

RT: 14.57 min Scan# 927

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

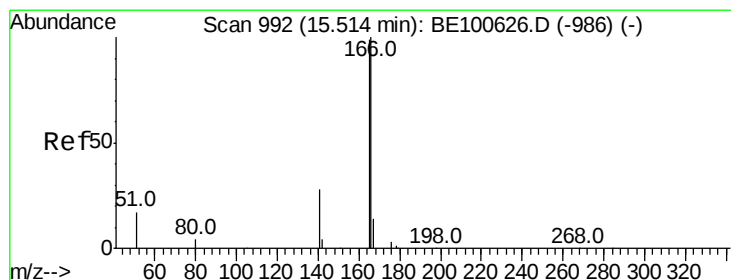
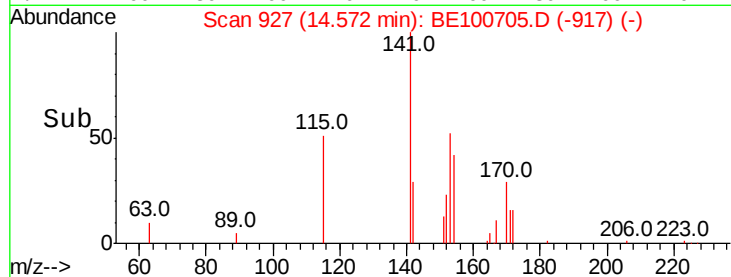
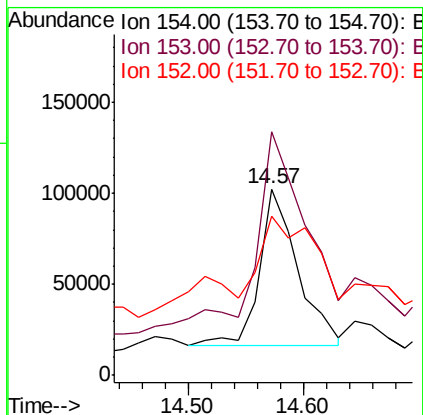
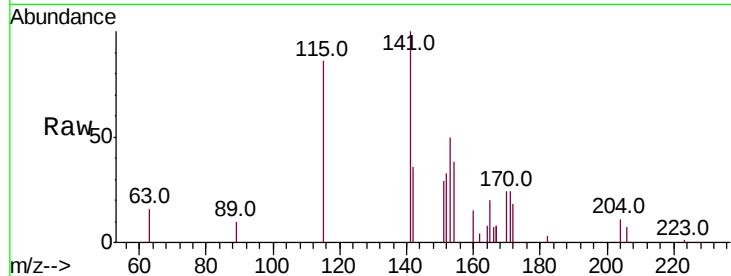
ClientSampleId :

SO-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 200355 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 153.7 | 89.4  | 134.2# |
| 152       | 73.7  | 44.1  | 66.1#  |

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#18

Fluorene

Concen: 4.078 ng

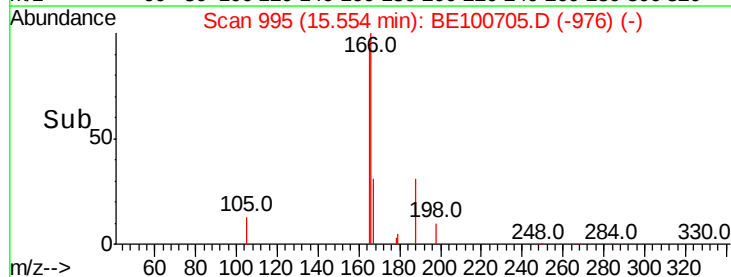
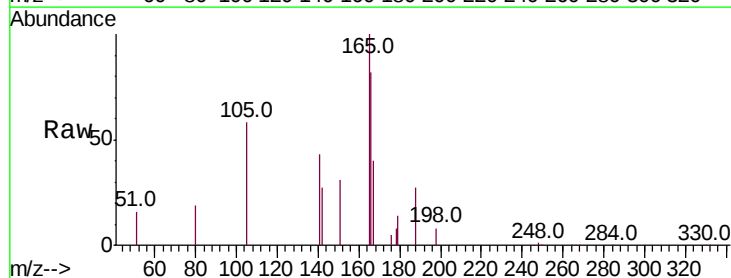
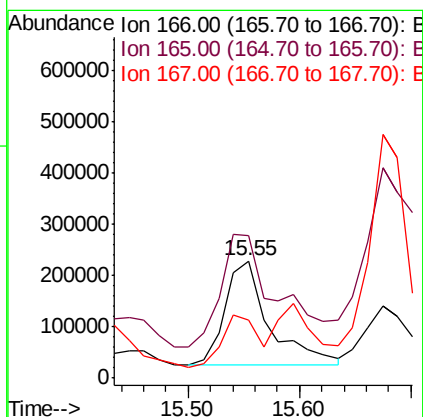
RT: 15.55 min Scan# 995

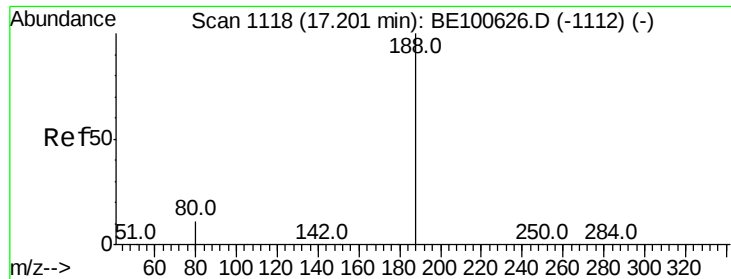
Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 563737 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 135.8 | 78.6  | 117.8# |
| 167       | 39.5  | 10.9  | 16.3#  |





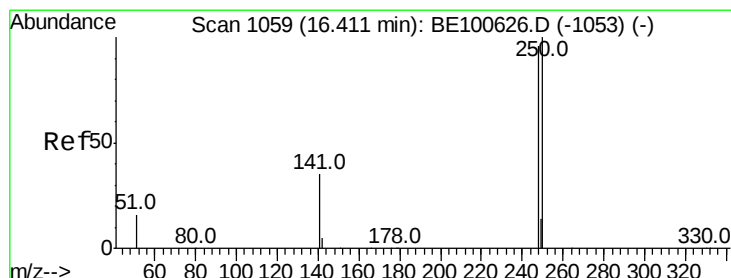
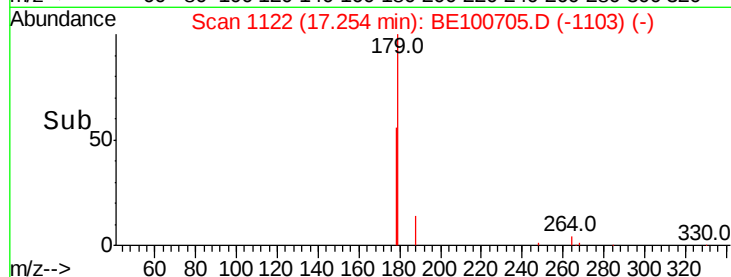
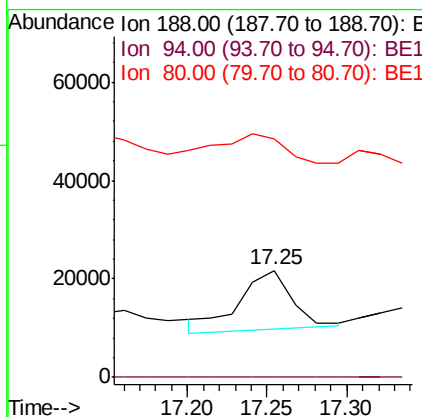
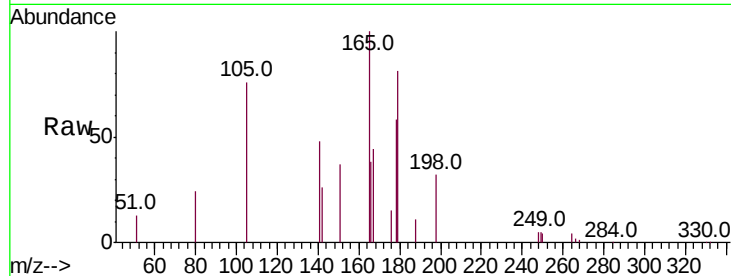
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.25 min Scan# 1122  
Delta R.T. 0.05 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

Instrument :  
BNA\_E  
ClientSampled :  
SO-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 223.3 | 5.4   | 8.0#  |

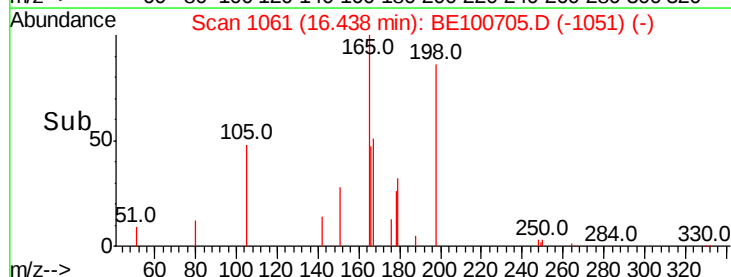
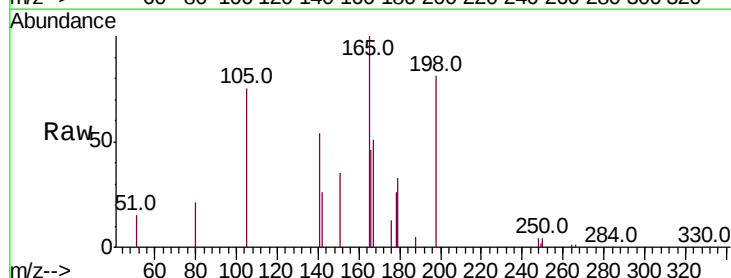
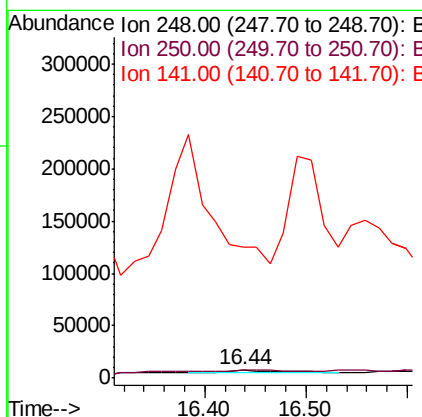
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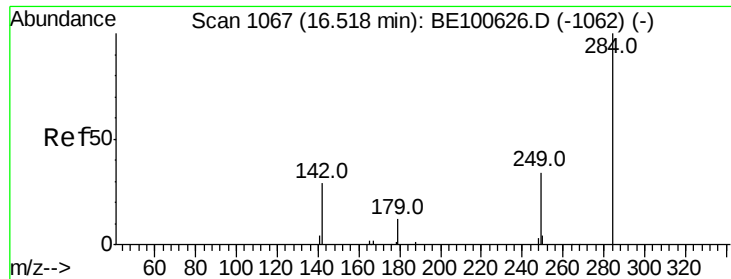
Sohil  
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#20  
4-Bromophenyl-phenylether  
Concen: 0.634 ng  
RT: 16.44 min Scan# 1061  
Delta R.T. 0.04 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 248     | 100    |       |       |
| 250     | 100.1  | 76.3  | 114.5 |
| 141     | 1519.8 | 37.3  | 55.9# |





#21

Hexachlorobenzene

Concen: 0.216 ng

RT: 16.60 min Scan# 1073

Delta R.T. 0.08 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

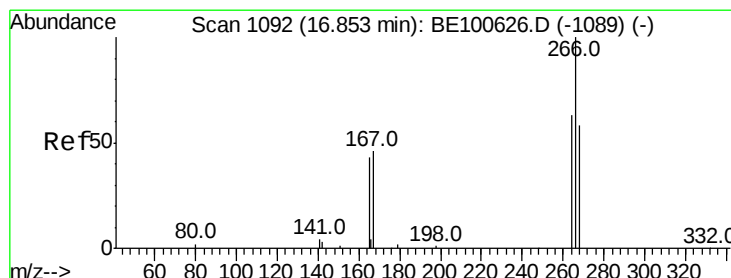
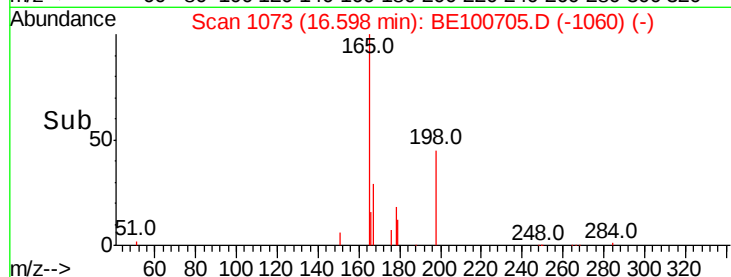
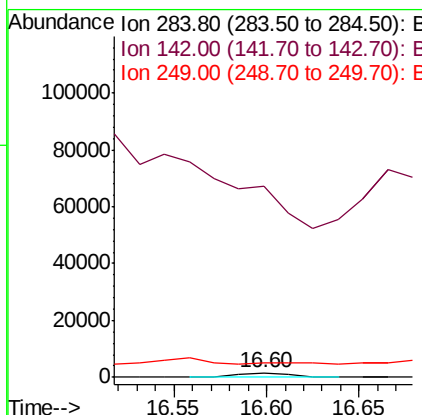
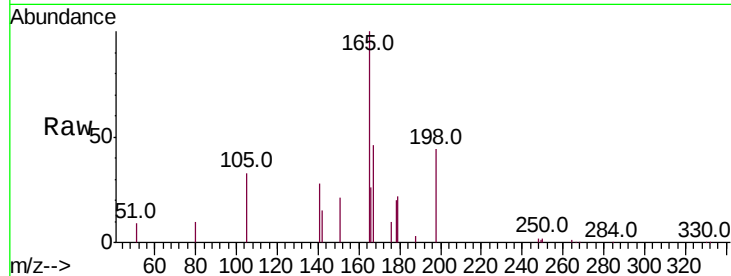
ClientSampled :

SO-3MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 2923  |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 0.0   | 28.6  | 42.8# |
| 249       | 0.0   | 26.3  | 39.5# |

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#22

Pentachlorophenol

Concen: 0.407 ng

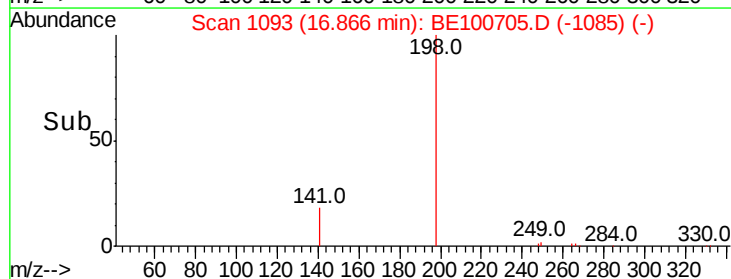
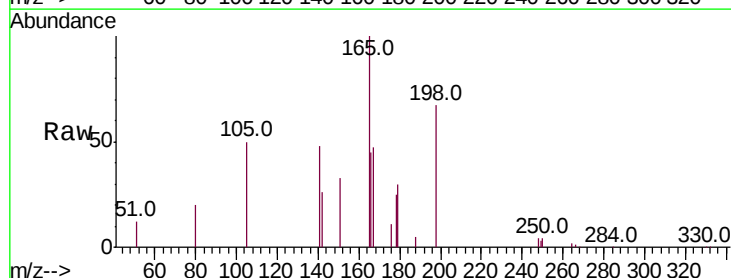
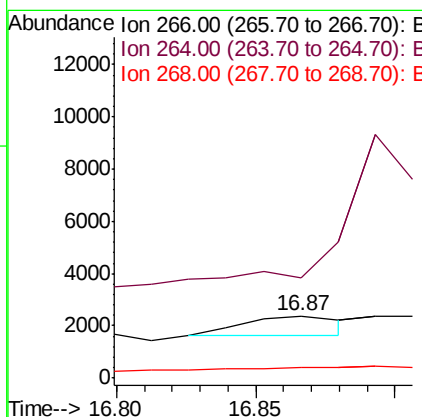
RT: 16.87 min Scan# 1093

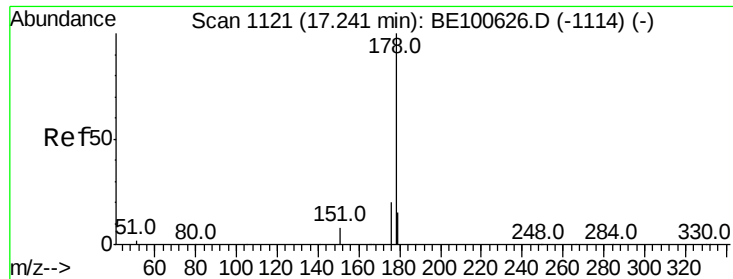
Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 1770  |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 160.9 | 52.2  | 78.4# |
| 268       | 16.3  | 53.1  | 79.7# |





#23

Phenanthrene

Concen: 26.987 ng

RT: 17.29 min Scan# 1125

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampled :

SO-3MSD

Tot Ion:178 Resp: 2068145

Ion Ratio Lower Upper

178 100

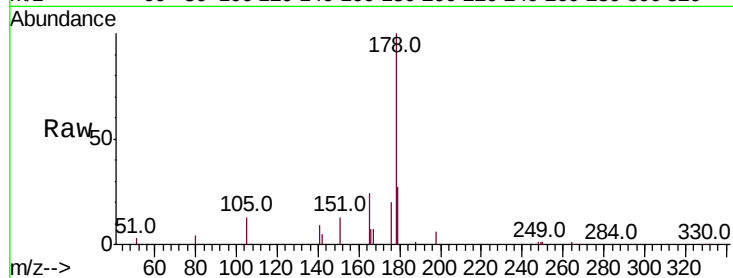
176 15.3 15.2 22.8

179 36.7 12.1 18.1#

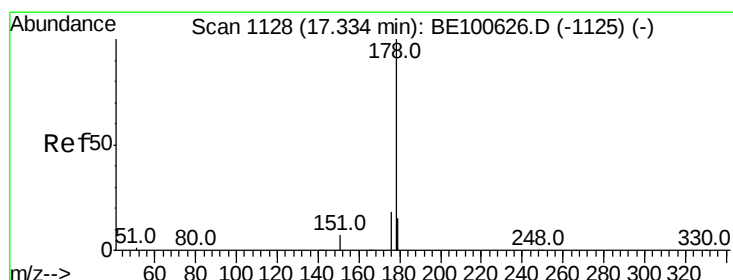
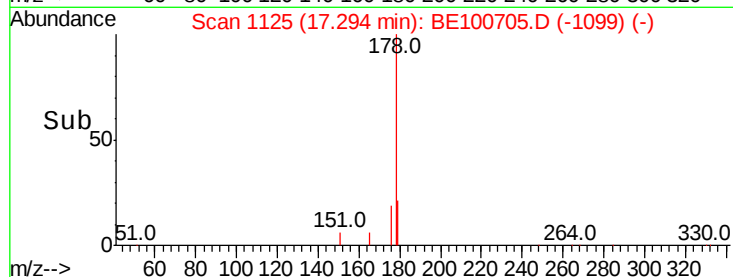
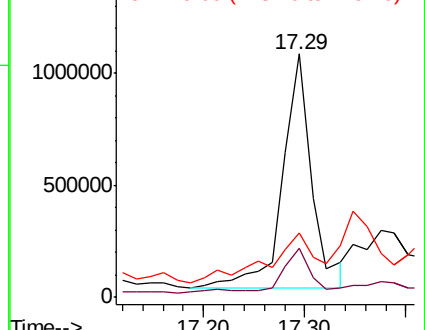
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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 5.301 ng

RT: 17.37 min Scan# 1131

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

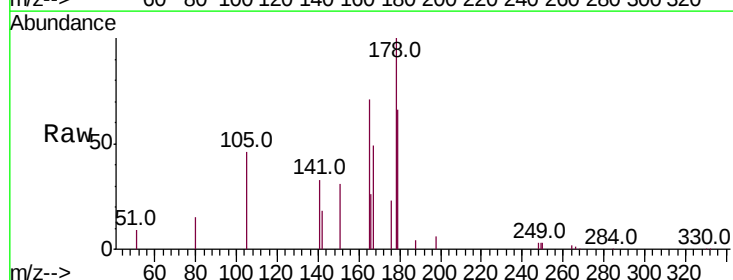
Tgt Ion:178 Resp: 376936

Ion Ratio Lower Upper

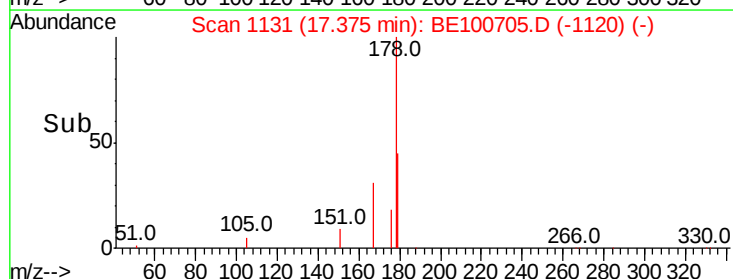
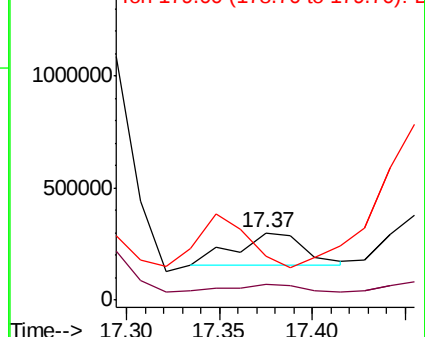
178 100

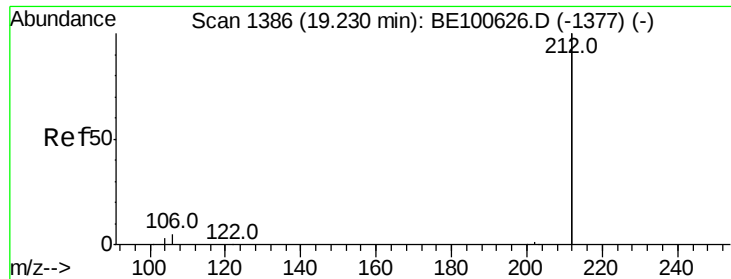
176 18.5 15.0 22.4

179 0.0 12.5 18.7#



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





#25

Fluoranthene-d10

Concen: 0.946 ng/mL

RT: 19.26 min Scan# 1392

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

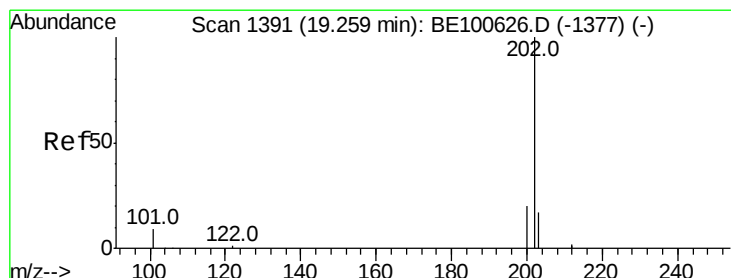
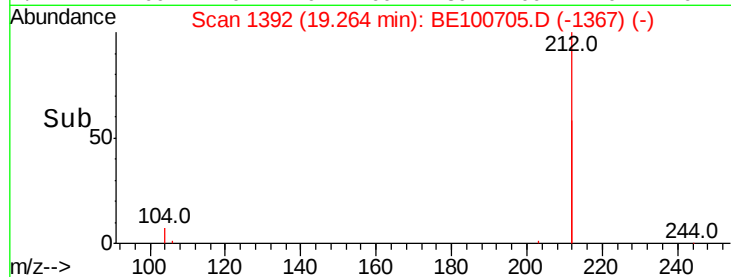
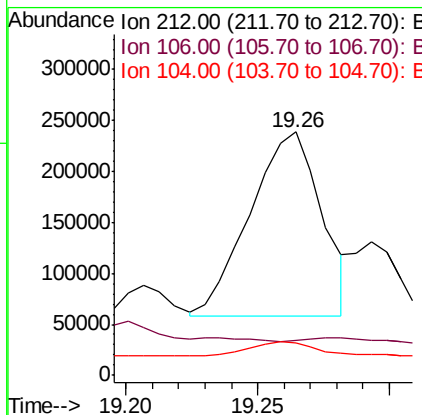
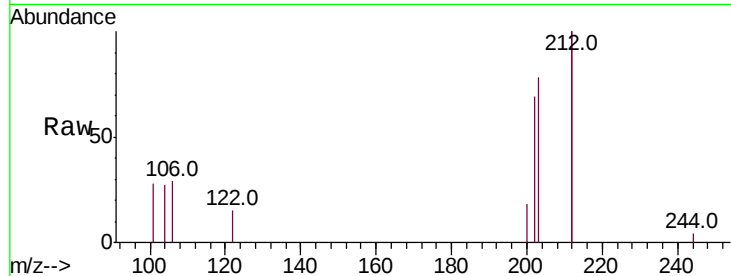
ClientSampleId :

SO-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 212   | Resp: | 339990 |
| Ion Ratio | Lower | Upper |        |
| 212       | 100   |       |        |
| 106       | 5.6   | 2.3   | 3.5#   |
| 104       | 9.0   | 1.3   | 1.9#   |

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#26

Fluoranthene

Concen: 33.292 ng/mL

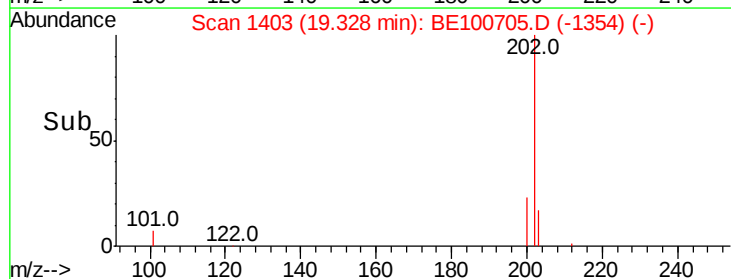
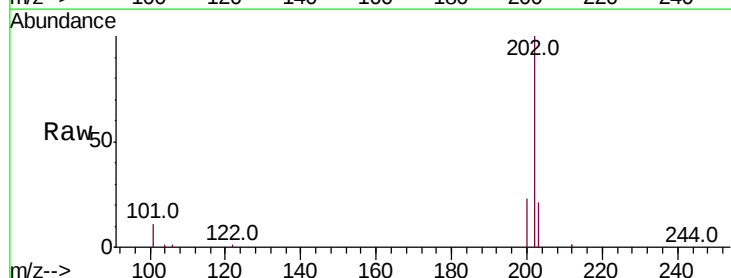
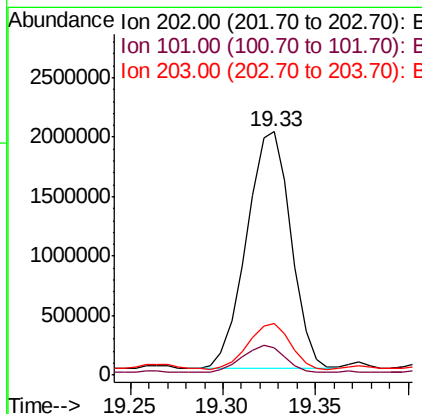
RT: 19.33 min Scan# 1403

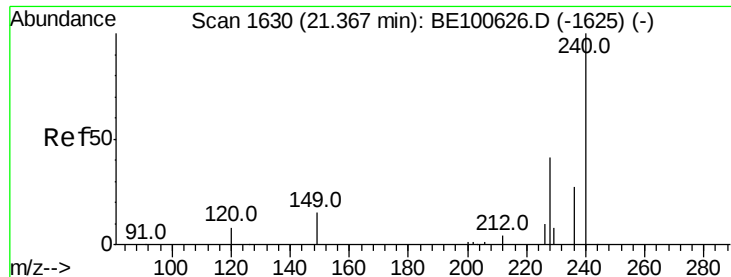
Delta R.T. 0.08 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 3329838 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 11.0  | 8.5   | 12.7    |
| 203       | 18.8  | 13.8  | 20.8    |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.02 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

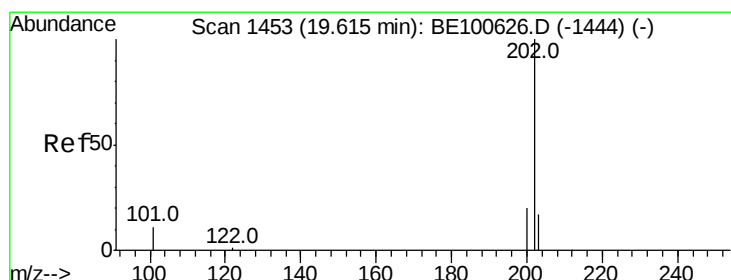
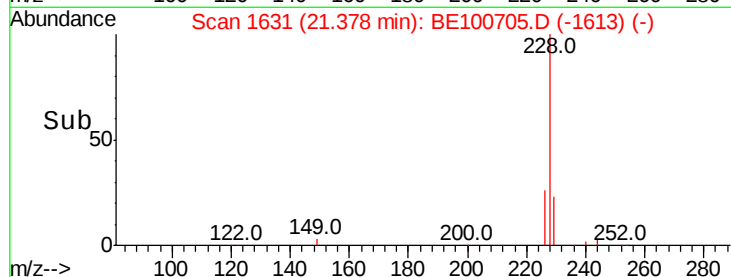
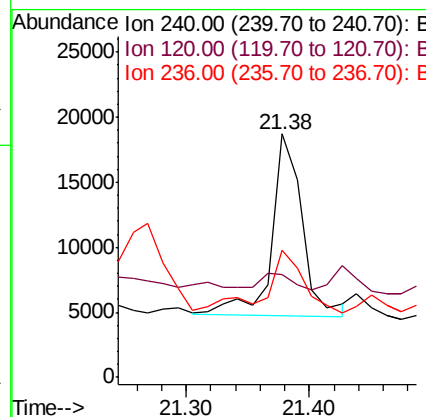
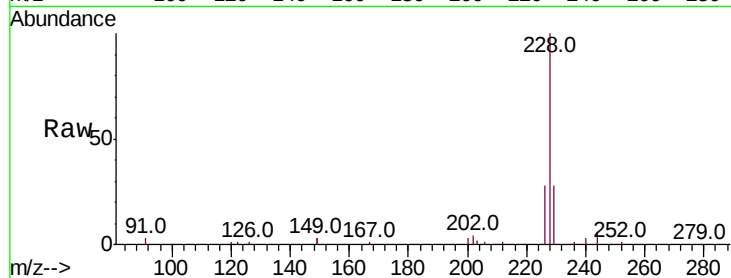
ClientSampled :

SO-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 42.4  | 7.6   | 11.4# |
| 236     | 52.4  | 22.1  | 33.1# |

Manual Integrations  
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#28

Pyrene

Concen: 60.978 ng

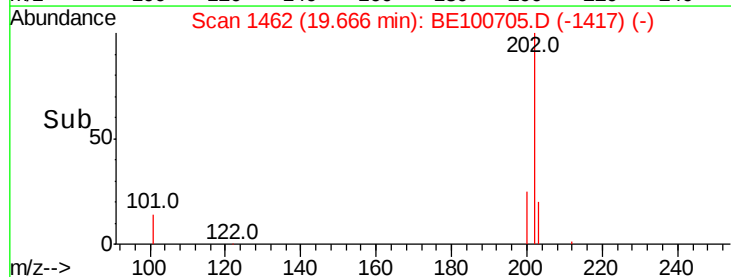
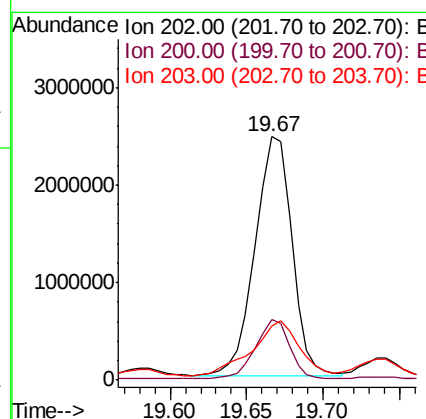
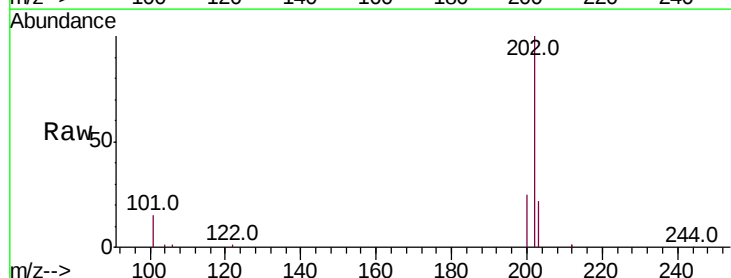
RT: 19.67 min Scan# 1462

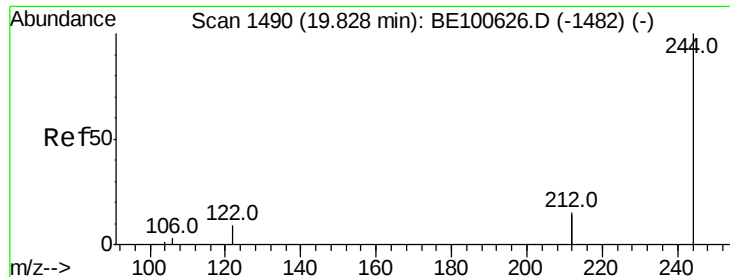
Delta R.T. 0.06 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.1  | 16.7  | 25.1  |
| 203     | 29.0  | 14.0  | 21.0# |





#29

Terphenyl-d14

Concen: 0.490 ng

RT: 19.84 min Scan# 1493

Delta R.T. 0.03 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampled :

SO-3MSD

Tot Ion:244 Resp: 25742

Ion Ratio Lower Upper

244 100

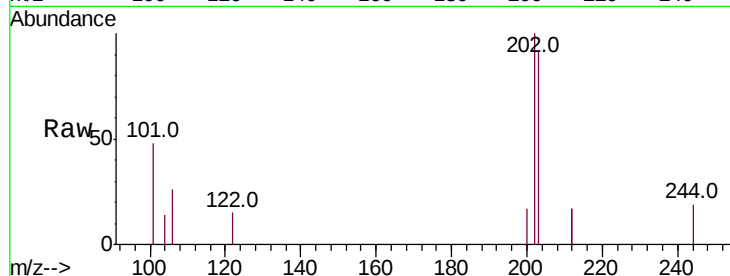
212 176.9 23.7 35.5#

122 78.0 7.9 11.9#

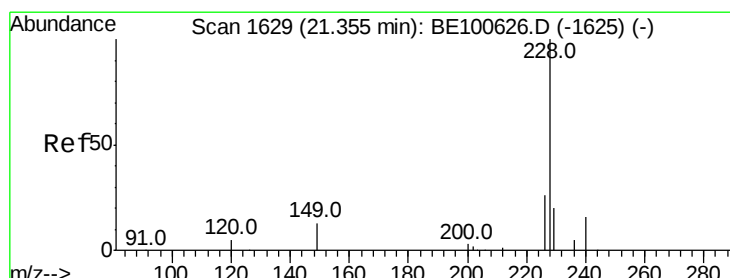
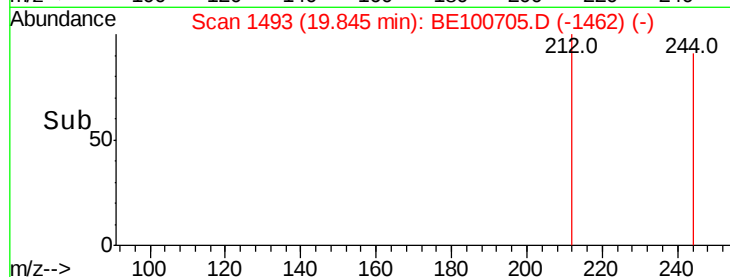
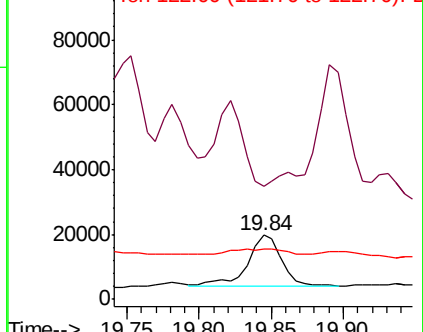
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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 32.585 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.02 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

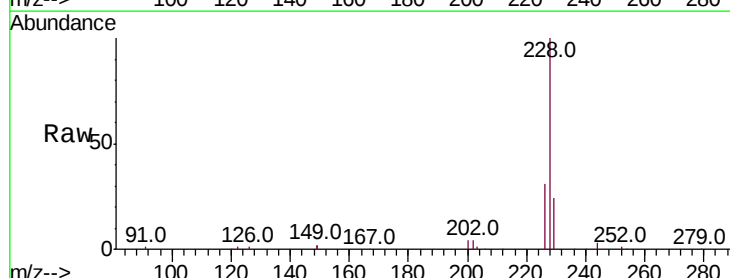
Tgt Ion:228 Resp: 2553516

Ion Ratio Lower Upper

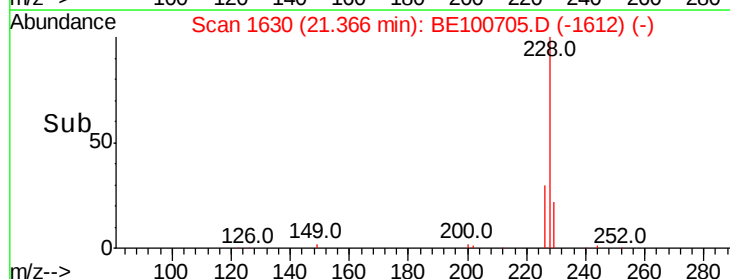
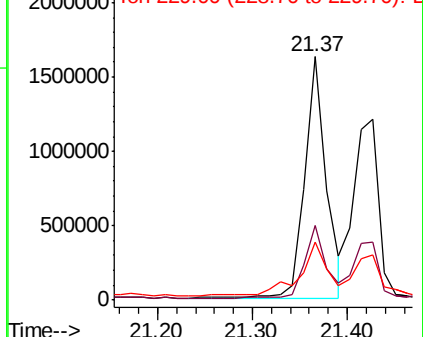
228 100

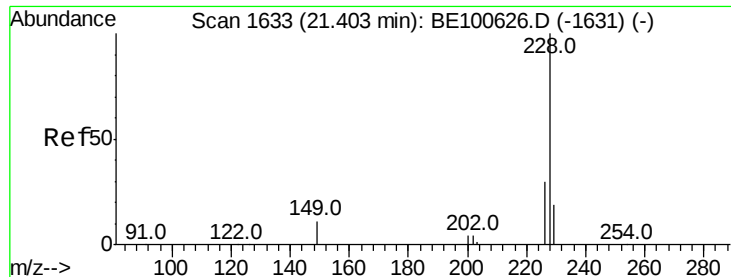
226 30.6 21.4 32.0

229 23.9 16.0 24.0



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





#31

Chrysene

Concen: 27.520 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampleId :

SO-3MSD

Tot Ion:228 Resp: 2155257

Ion Ratio Lower Upper

228 100

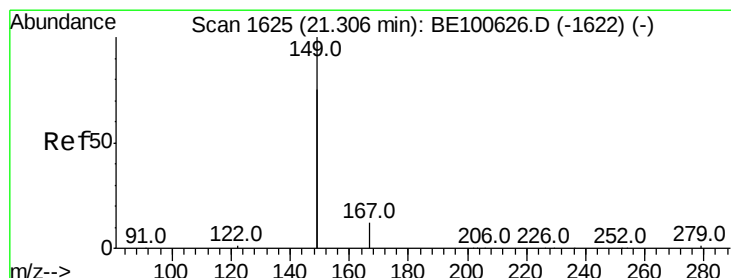
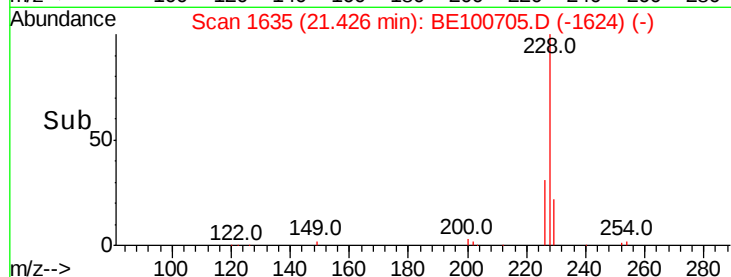
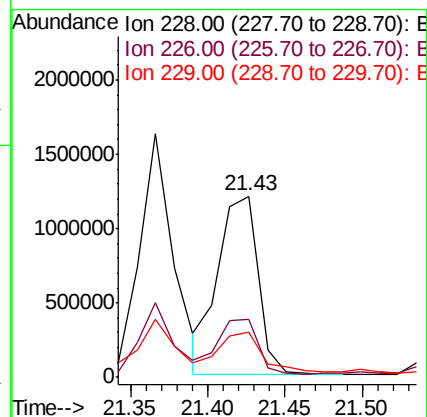
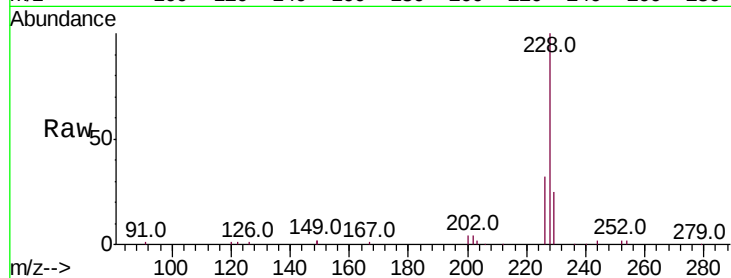
226 31.9 24.6 37.0

229 25.0 15.8 23.8#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.561 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

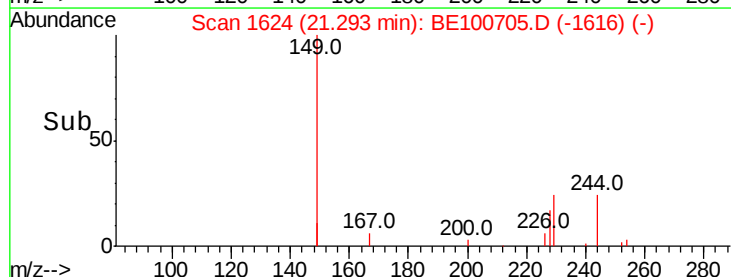
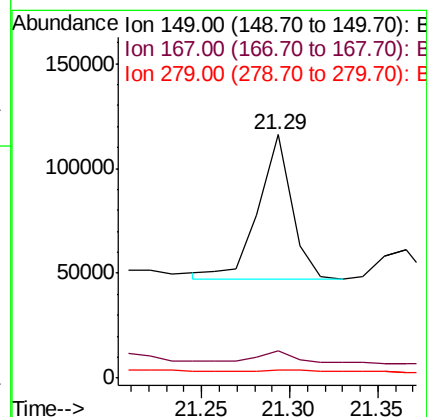
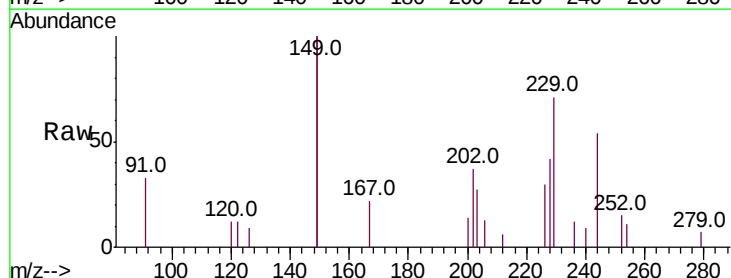
Tgt Ion:149 Resp: 91899

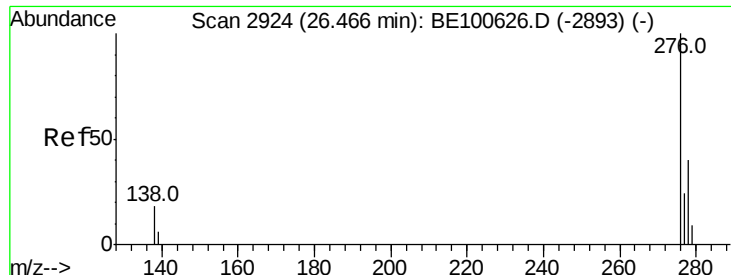
Ion Ratio Lower Upper

149 100

167 9.5 5.5 8.3#

279 3.6 0.9 1.3#





#33

Indeno(1,2,3-cd)pyrene

Concen: 24.558 ng

RT: 26.49 min Scan# 2932

Delta R.T. 0.06 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampleId :

SO-3MSD

Tot Ion:276 Resp: 2363713

Ion Ratio Lower Upper

276 100

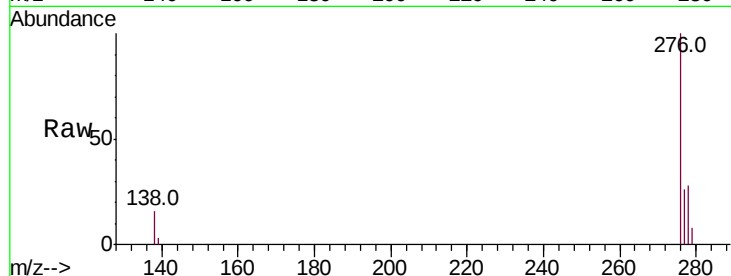
138 15.4 15.3 22.9

277 25.3 19.4 29.2

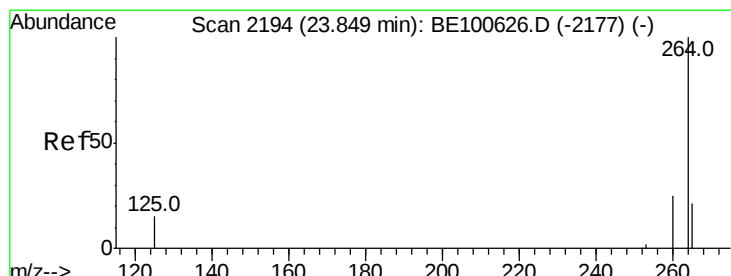
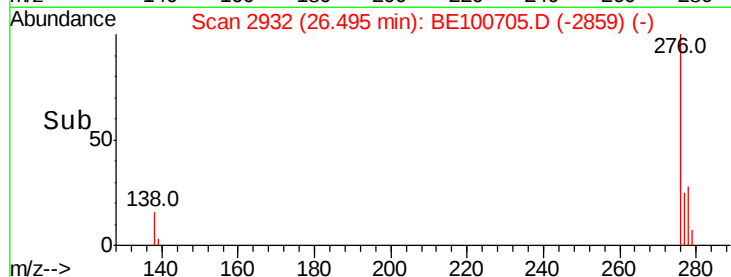
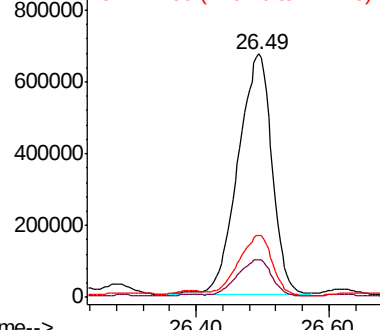
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Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2196

Delta R.T. 0.02 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

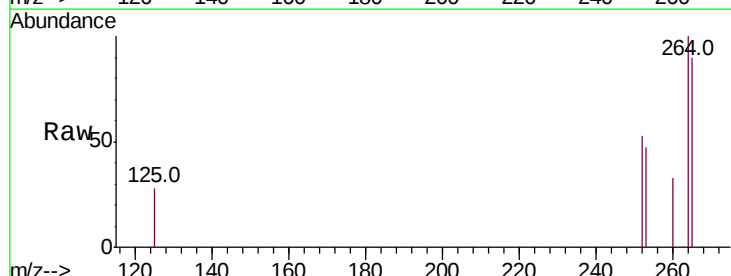
Tgt Ion:264 Resp: 31716

Ion Ratio Lower Upper

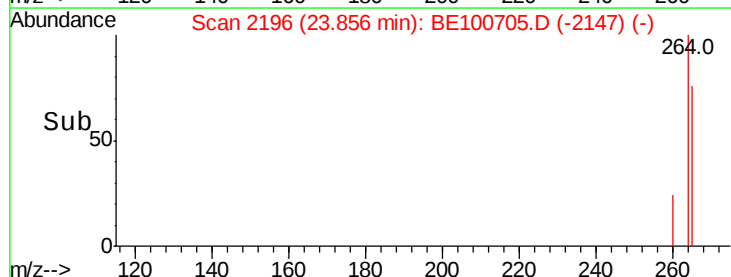
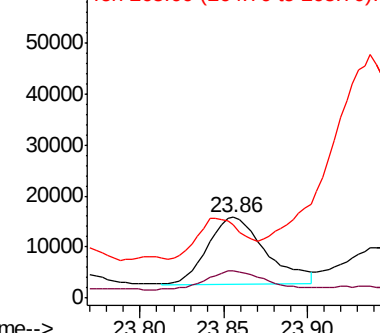
264 100

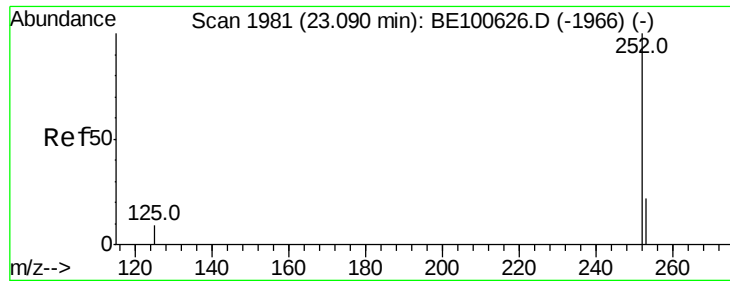
260 33.2 19.4 29.2#

265 90.4 21.7 32.5#



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





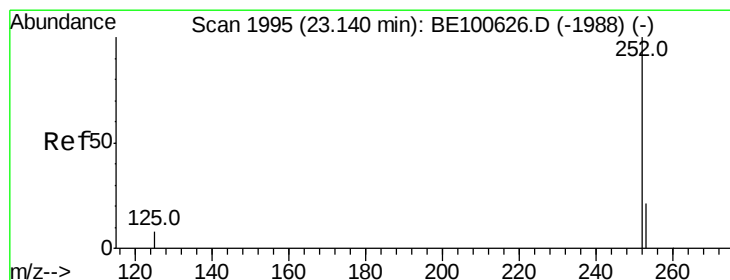
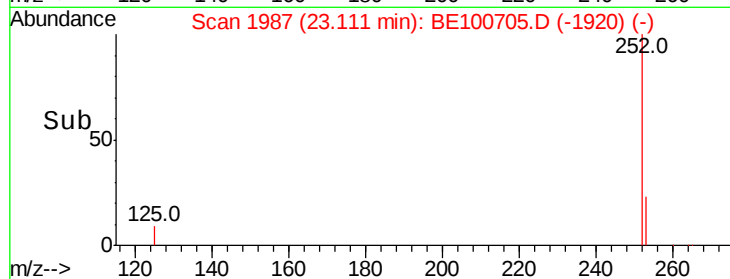
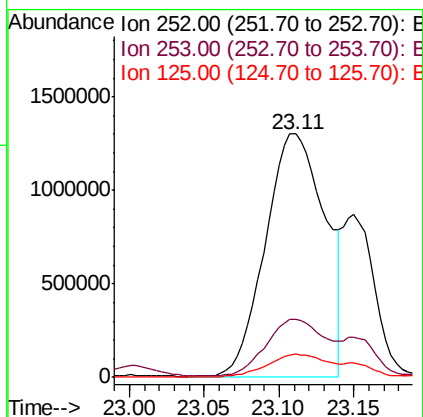
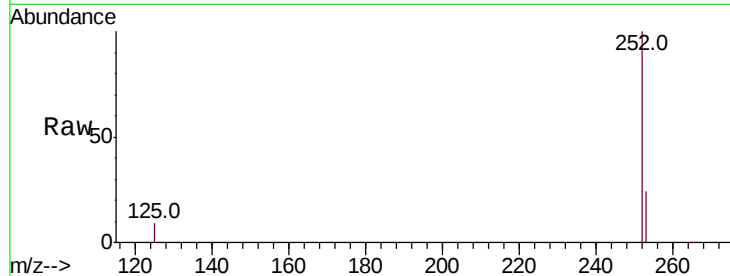
#35  
Benzo(b)fluoranthene  
Concen: 38.947 ng  
RT: 23.11 min Scan# 1987  
Delta R.T. 0.04 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

Instrument :  
BNA\_E  
ClientSampleId :  
SO-3MSD

Tot Ion:252 Resp: 3601840  
Ion Ratio Lower Upper  
252 100  
253 23.9 18.4 27.6  
125 9.4 7.6 11.4

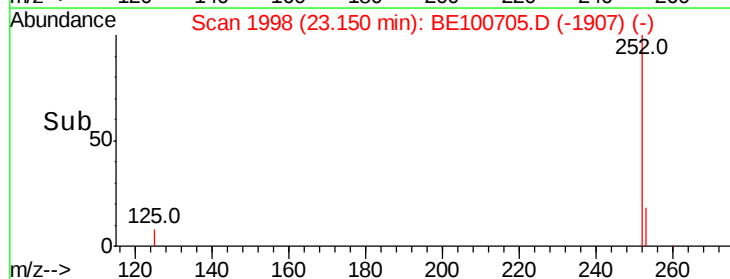
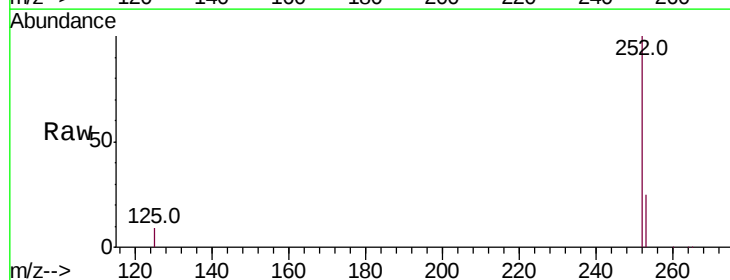
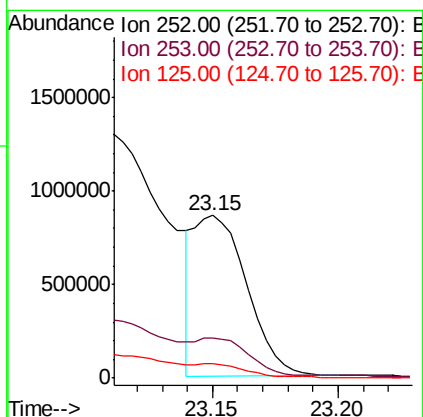
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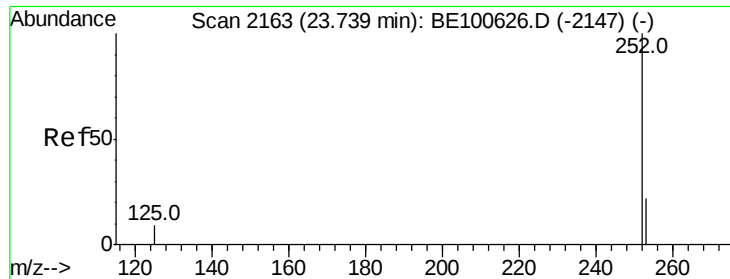
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#36  
Benzo(k)fluoranthene  
Concen: 13.252 ng m  
RT: 23.15 min Scan# 1998  
Delta R.T. 0.02 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

Tgt Ion:252 Resp: 1260423  
Ion Ratio Lower Upper  
252 100  
253 24.9 18.4 27.6  
125 8.5 11.6 17.4#





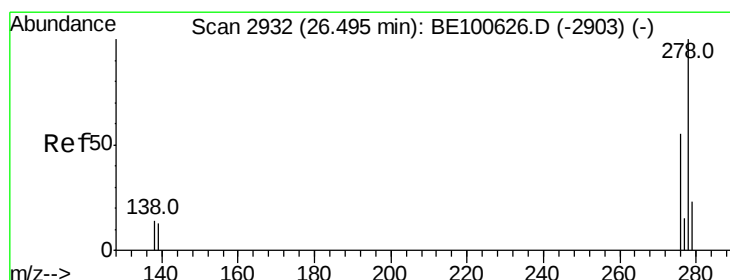
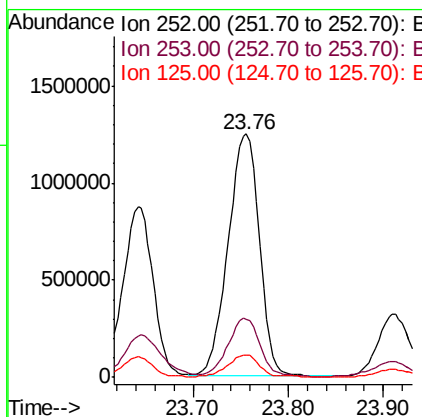
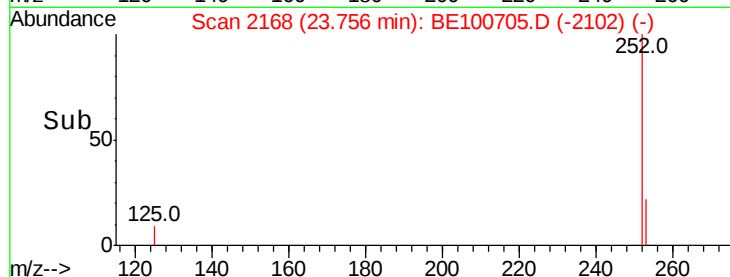
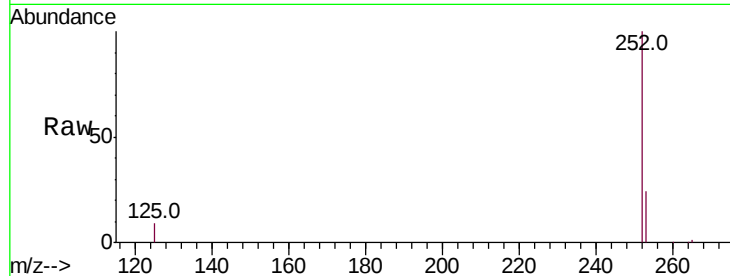
#37  
Benzo(a)pyrene  
Concen: 32.818 ng  
RT: 23.76 min Scan# 2168  
Delta R.T. 0.04 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

Instrument :  
BNA\_E  
ClientSampleId :  
SO-3MSD

Tot Ion:252 Resp: 2825147  
Ion Ratio Lower Upper  
252 100  
253 24.1 18.4 27.6  
125 9.3 8.2 12.4

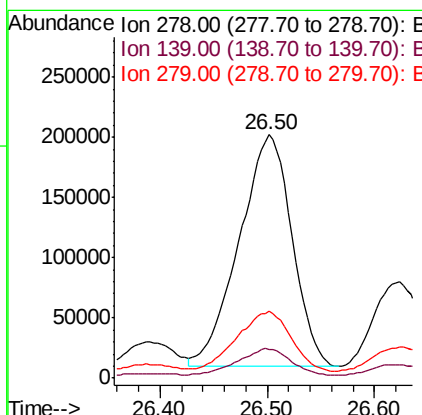
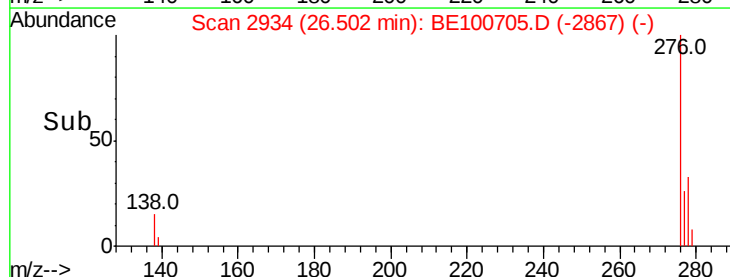
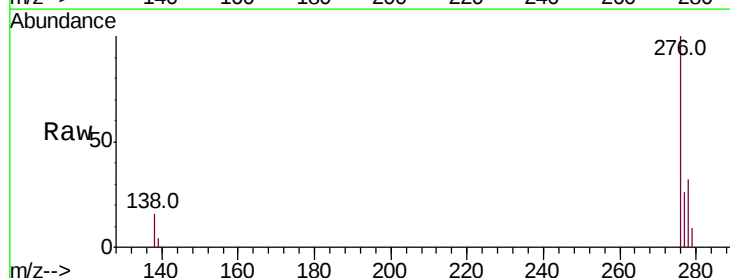
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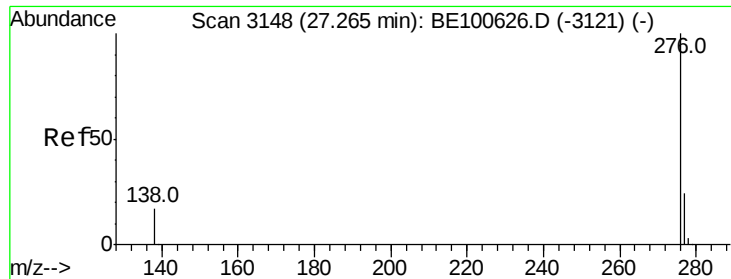
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#38  
Dibenzo(a,h)anthracene  
Concen: 7.385 ng  
RT: 26.50 min Scan# 2934  
Delta R.T. 0.04 min  
Lab File: BE100705.D  
Acq: 7 Nov 2019 17:20

Tgt Ion:278 Resp: 657085  
Ion Ratio Lower Upper  
278 100  
139 11.8 10.9 16.3  
279 27.2 19.4 29.2





#39

Benzo(a,h,i)perylene

Concen: 24.935 ng

RT: 27.30 min Scan# 3159

Delta R.T. 0.07 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA\_E

ClientSampleId :

SO-3MSD

Tot Ion:276 Resp: 2231354

Ion Ratio Lower Upper

276 100

277 24.6 19.4 29.0

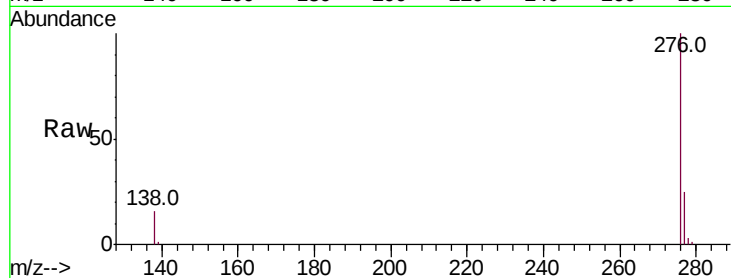
138 16.0 13.6 20.4

Manual Integrations

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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

