

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\  
 Data File : BE100712.D  
 Acq On : 8 Nov 2019 11:25  
 Operator : JU  
 Sample : K5725-01DL 25X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SO-1DL

Manual Integrations  
 APPROVED

mohammad  
 11/11/2019 8:09:41 AM

Quant Time: Nov 08 12:43:25 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  | 2046     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.64 | 136  | 9662     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.48 | 164  | 6450     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 14099    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 16099    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.85 | 264  | 18280    | 0.40 | ng    | 0.02     |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.46  | 112 | 91   | 0.01 | ng | 0.01  |
| 5) Phenol-d6                | 7.02  | 99  | 157  | 0.02 | ng | 0.01  |
| 8) Nitrobenzene-d5          | 9.00  | 82  | 100  | 0.02 | ng | 0.01  |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152 | 234  | 0.02 | ng | 0.01  |
| 14) 2,4,6-Tribromophenol    | 15.93 | 330 | 10   | 0.01 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 291  | 0.01 | ng | 0.01  |
| 25) Fluoranthene-d10        | 19.23 | 212 | 2389 | 0.01 | ng | 0.01  |
| 29) Terphenyl-d14           | 19.82 | 244 | 885  | 0.03 | ng | 0.00  |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 9) Naphthalene                 | 10.69 | 128 | 34442   | 0.339  | ng | 100  |
| 12) 2-Methylnaphthalene        | 12.31 | 142 | 2747    | 0.159  | ng | # 94 |
| 16) Acenaphthylene             | 14.20 | 152 | 7219    | 0.260  | ng | 97   |
| 17) Acenaphthene               | 14.54 | 154 | 5819    | 0.324  | ng | 98   |
| 18) Fluorene                   | 15.51 | 166 | 5902    | 0.248  | ng | # 97 |
| 23) Phenanthrene               | 17.24 | 178 | 118348  | 3.052  | ng | 99   |
| 24) Anthracene                 | 17.34 | 178 | 38063   | 1.058  | ng | 98   |
| 26) Fluoranthene               | 19.26 | 202 | 270451  | 5.343  | ng | 100  |
| 28) Pyrene                     | 19.61 | 202 | 281039  | 6.248  | ng | # 94 |
| 30) Benzo(a)anthracene         | 21.35 | 228 | 211694  | 4.031  | ng | 97   |
| 31) Chrysene                   | 21.40 | 228 | 168661  | 3.214  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 5527    | 0.050  | ng | # 94 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.47 | 276 | 145446  | 2.255  | ng | 96   |
| 35) Benzo(b)fluoranthene       | 23.09 | 252 | 280007  | 5.253  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 102896m | 1.877  | ng |      |
| 37) Benzo(a)pyrene             | 23.74 | 252 | 201811  | 4.067  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.48 | 278 | 36529   | 0.712  | ng | # 91 |
| 39) Benzo(a,h,i)perylene       | 27.28 | 276 | 142906  | 2.771  | ng | 99   |

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

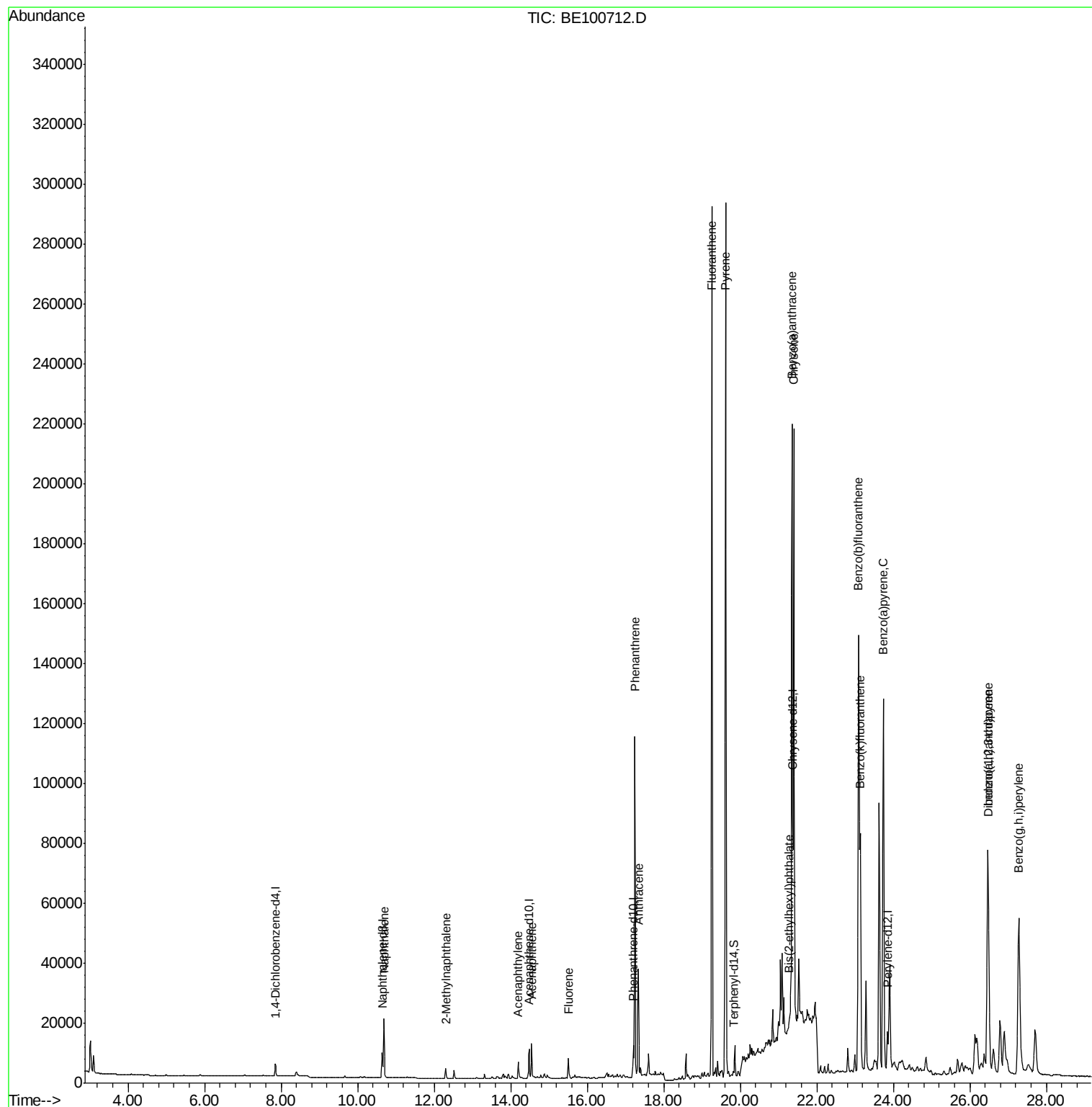
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\  
Data File : BE100712.D  
Acq On : 8 Nov 2019 11:25  
Operator : JU  
Sample : K5725-01DL 25X  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

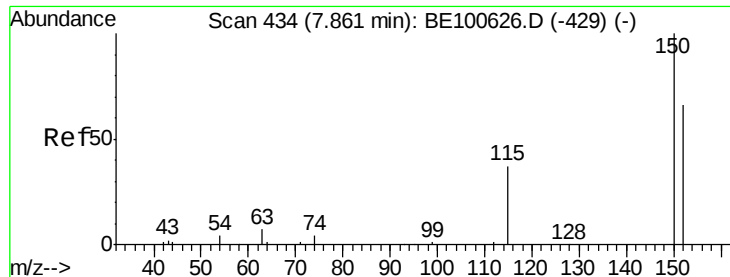
Instrument :  
BNA\_E  
ClientSampleId :  
SO-1DL

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11/11/2019 8:09:41 AM

Quant Time: Nov 08 12:43:25 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

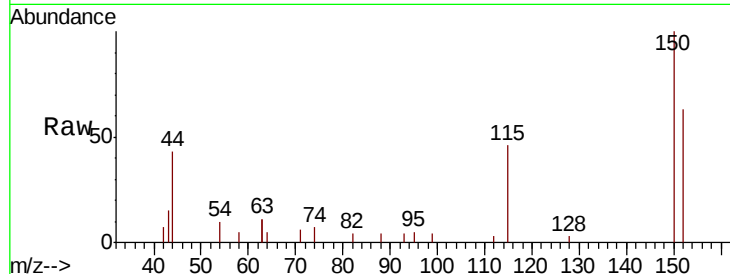
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.85 min Scan# 433  
Delta R.T. 0.00 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampled :  
SO-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.0 | 123.3 | 184.9 |
| 115     | 72.9  | 51.9  | 77.9  |

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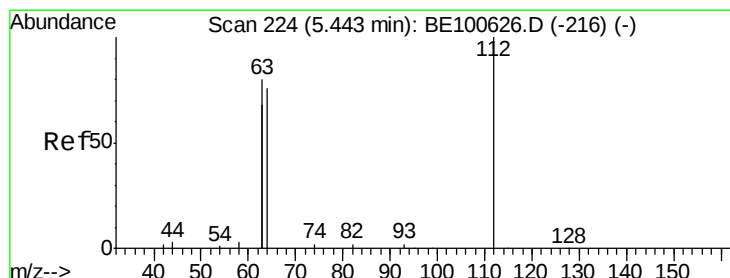
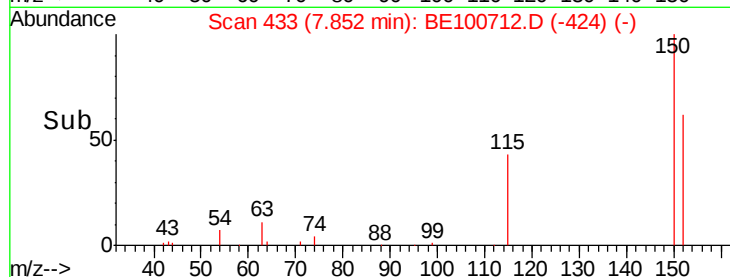
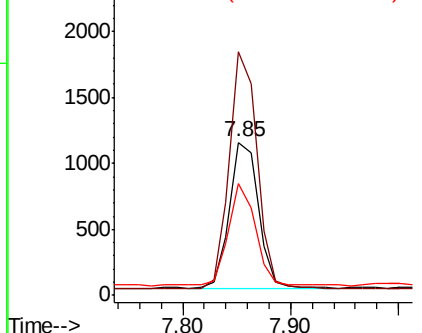


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

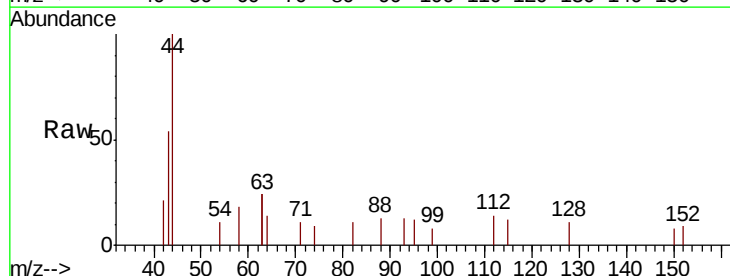
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol  
Concen: 0.014 ng  
RT: 5.46 min Scan# 225  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 80.2  | 55.4  | 83.2  |
| 63      | 153.8 | 114.2 | 171.4 |

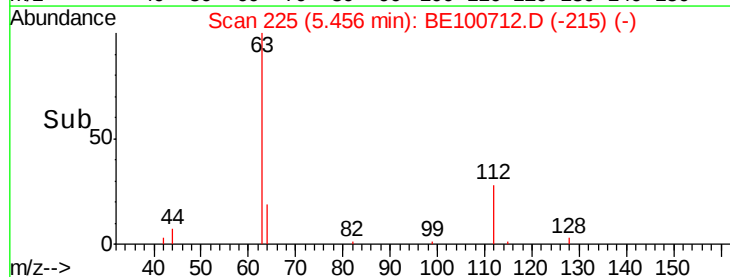
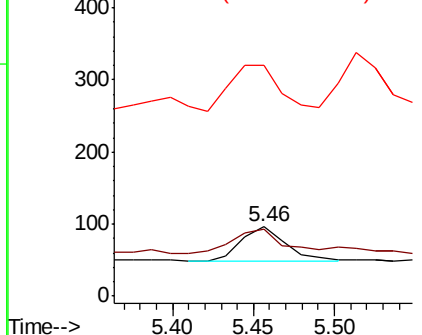


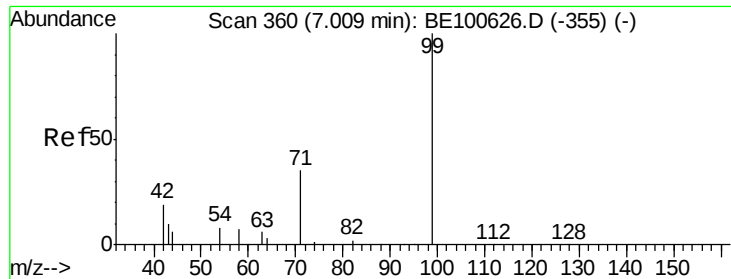
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.018 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA\_E

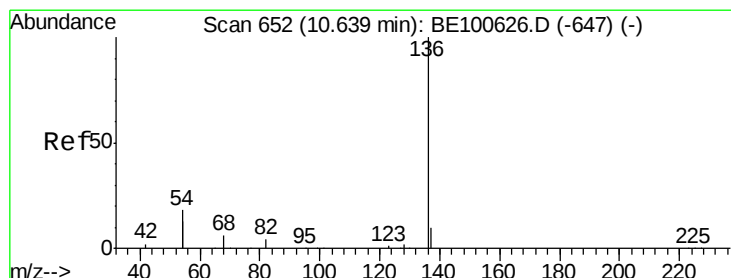
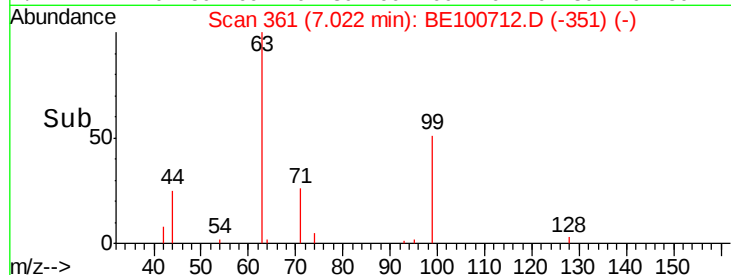
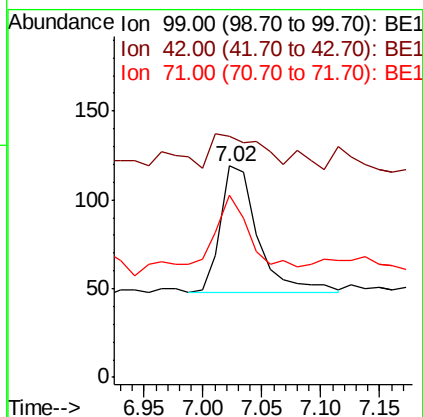
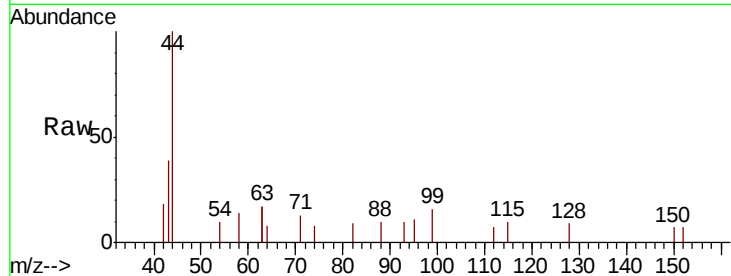
ClientSampled :

SO-1DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 157   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 33.8  | 17.7  | 26.5# |
| 71       | 78.3  | 27.4  | 41.0# |

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#7

Naphthalene-d8

Concen: 0.400 ng

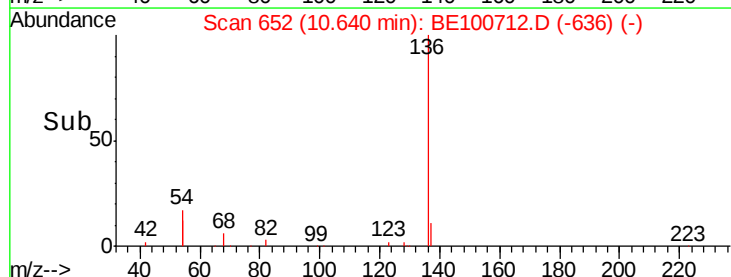
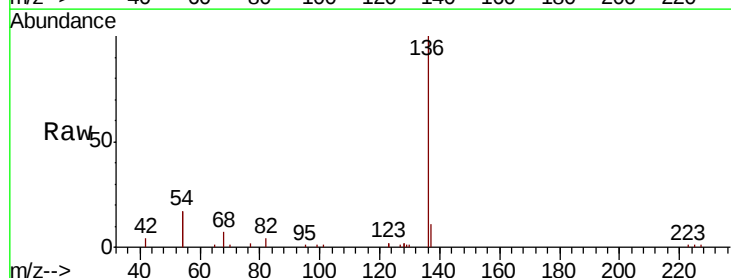
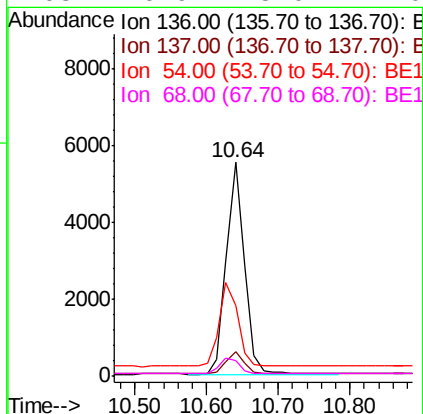
RT: 10.64 min Scan# 652

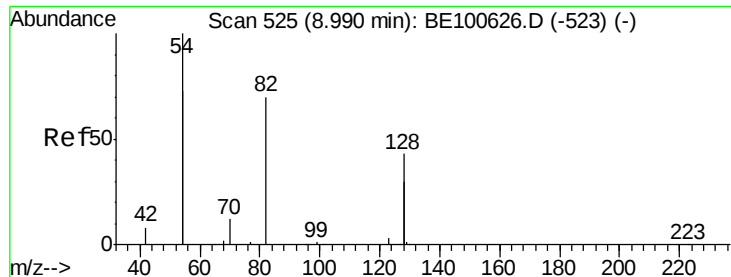
Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 9662  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.2   | 13.8  |
| 54       | 33.0  | 39.4  | 59.2# |
| 68       | 6.9   | 8.0   | 12.0# |





#8

Nitrobenzene-d5

Concen: 0.017 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA\_E

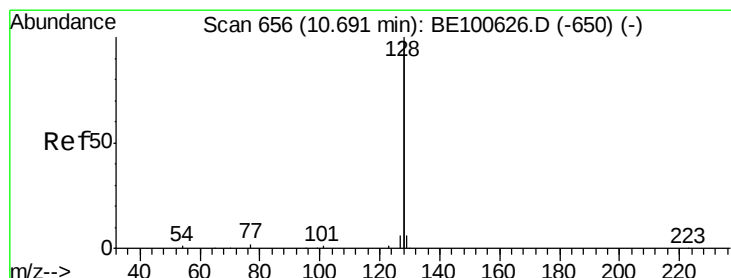
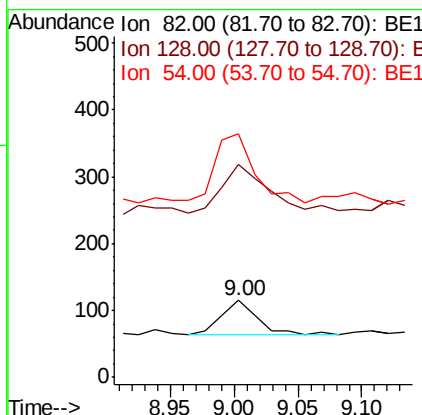
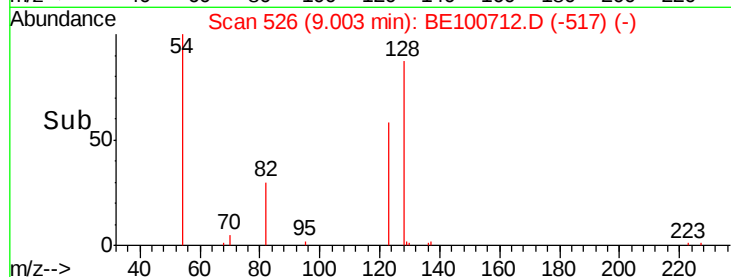
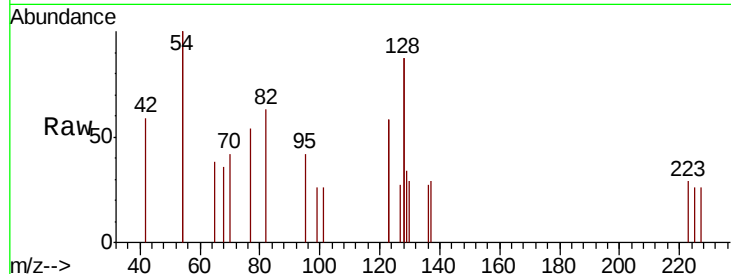
ClientSampled :

SO-1DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 100    |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 276.5 | 107.8 | 161.8# |
| 54       | 316.5 | 166.1 | 249.1# |

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#9

Naphthalene

Concen: 0.339 ng

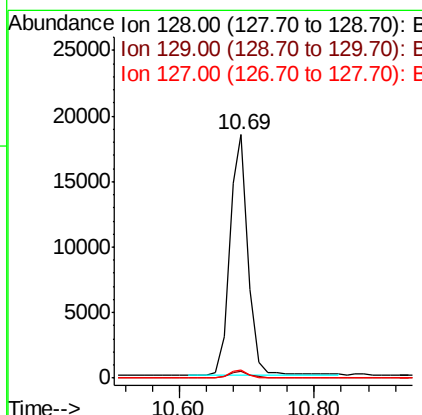
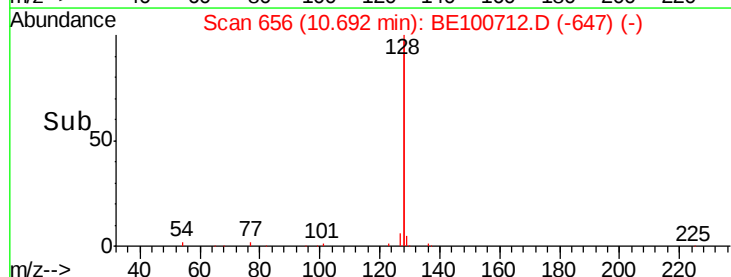
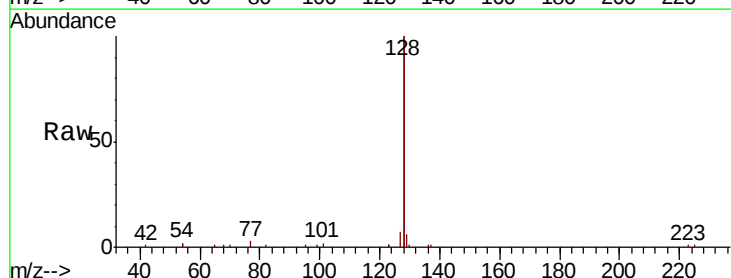
RT: 10.69 min Scan# 656

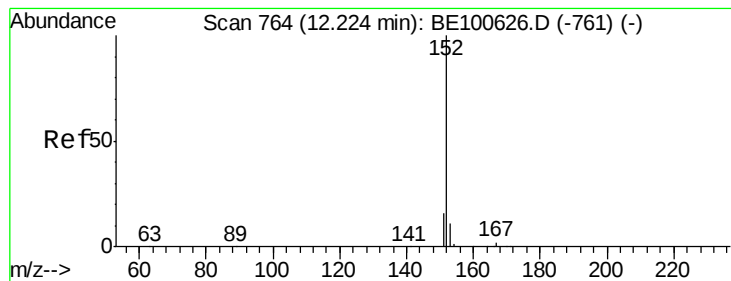
Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 34442 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 3.0   | 2.3   | 3.5   |
| 127      | 3.4   | 2.7   | 4.1   |





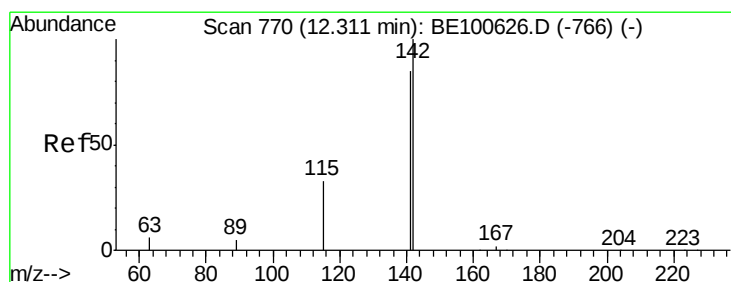
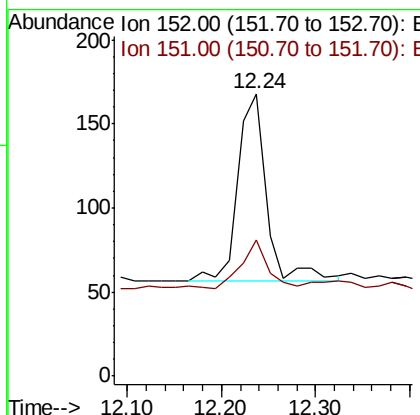
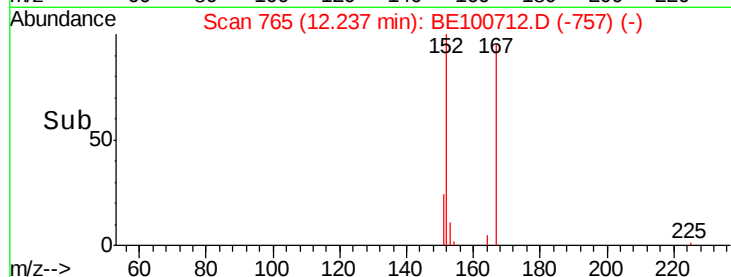
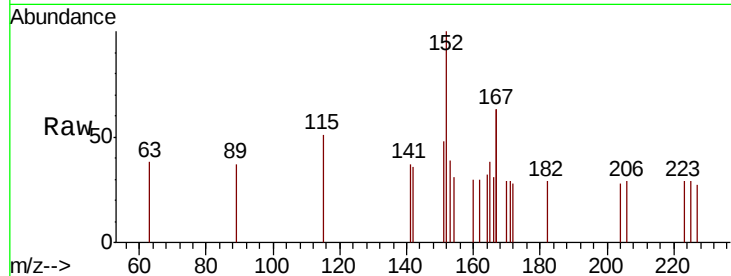
#11  
2-Methylnaphthalene-d10  
Concen: 0.015 ng  
RT: 12.24 min Scan# 765  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampled :  
SO-1DL

Tot Ion:152 Resp: 234  
Ion Ratio Lower Upper  
152 100  
151 21.8 14.7 22.1

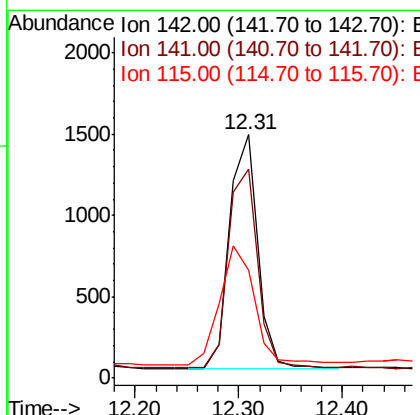
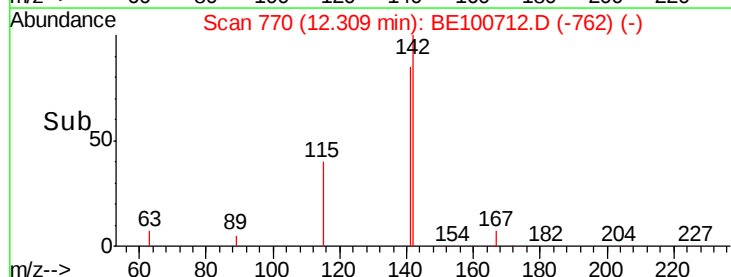
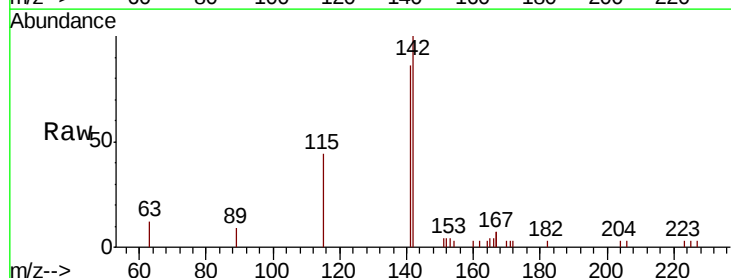
Manual Integrations  
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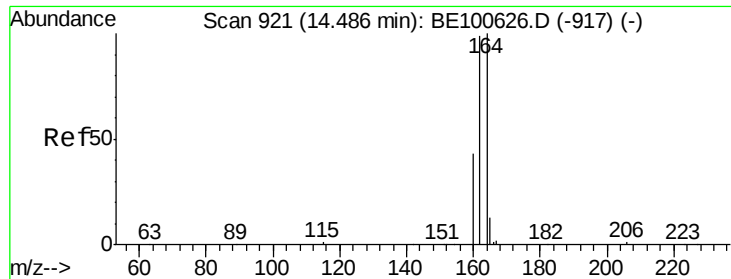
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#12  
2-Methylnaphthalene  
Concen: 0.159 ng  
RT: 12.31 min Scan# 770  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Tgt Ion:142 Resp: 2747  
Ion Ratio Lower Upper  
142 100  
141 86.1 70.1 105.1  
115 44.3 28.3 42.5#





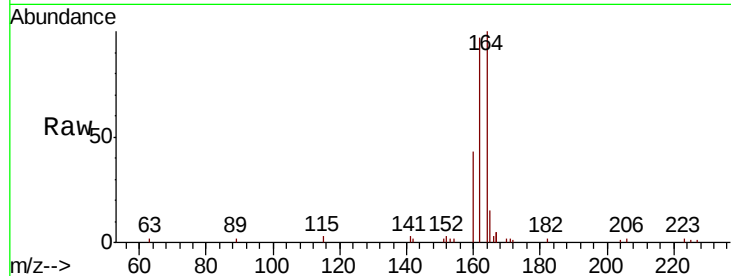
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.48 min Scan# 921  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampleID :  
SO-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.1  | 82.0  | 123.0 |
| 160     | 43.5  | 37.5  | 56.3  |

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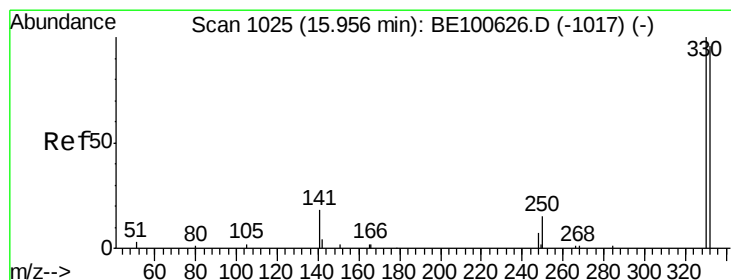
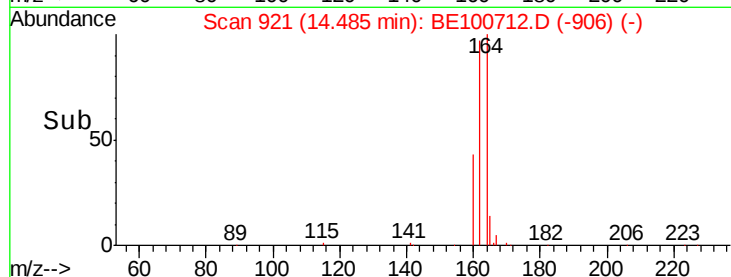
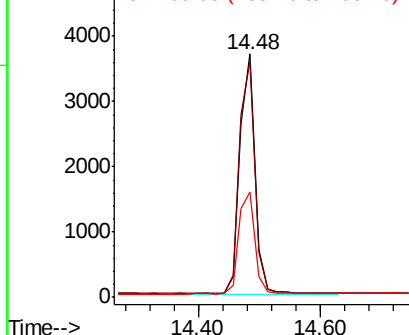


Abundance

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: 0.006 ng  
RT: 15.93 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

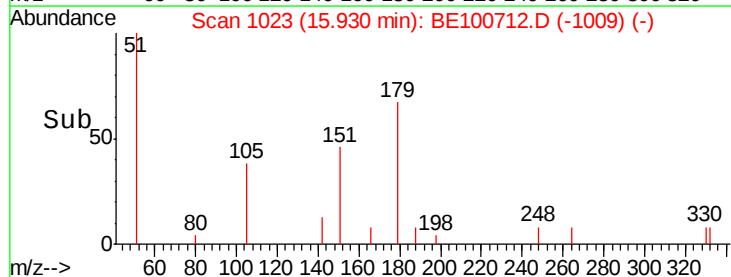
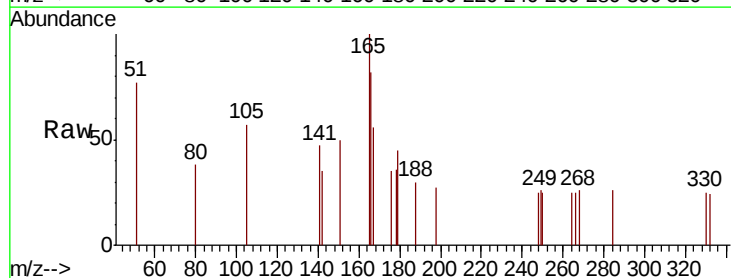
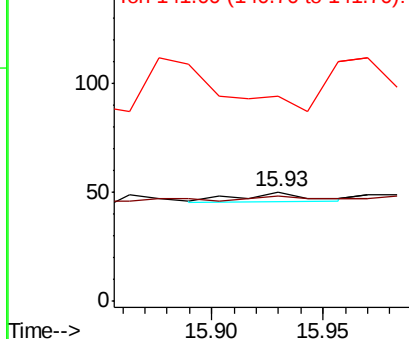
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 40.0  | 77.9  | 116.9# |
| 141     | 0.0   | 33.0  | 49.6#  |

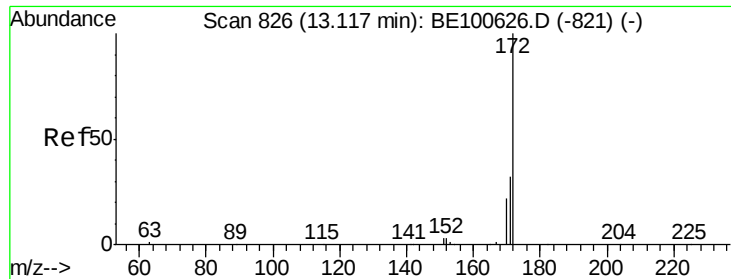
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





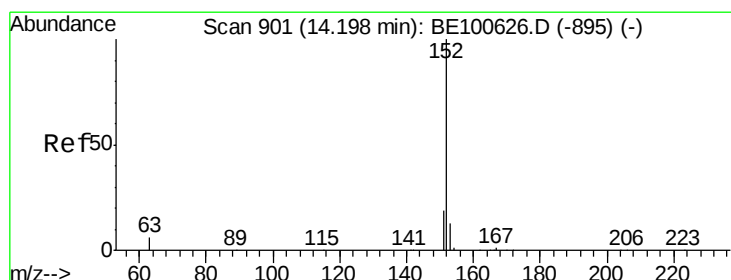
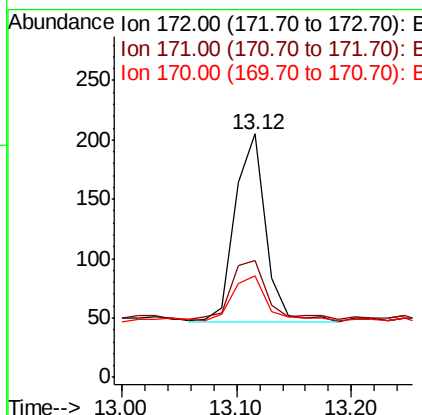
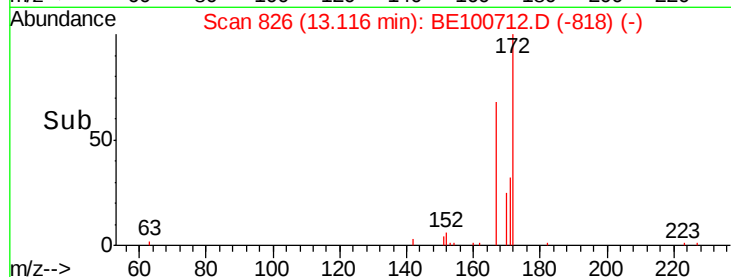
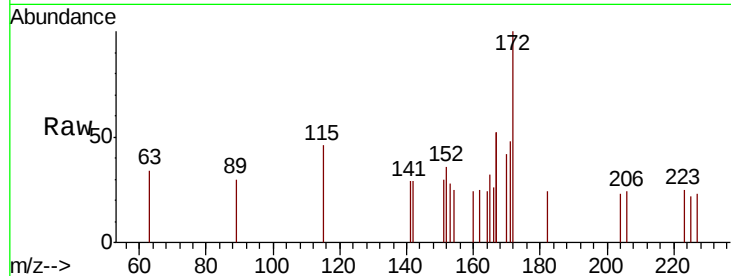
#15  
2-Fluorobiphenyl  
Concen: 0.012 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampled :  
SO-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 48.3  | 26.5  | 39.7# |
| 170     | 42.0  | 19.0  | 28.4# |

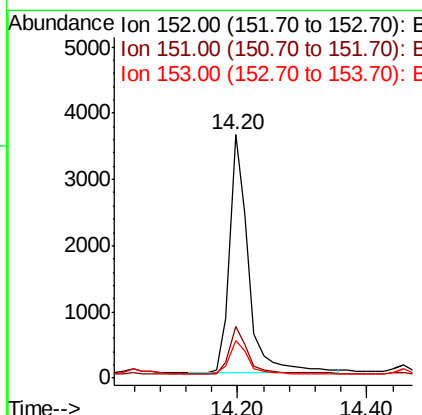
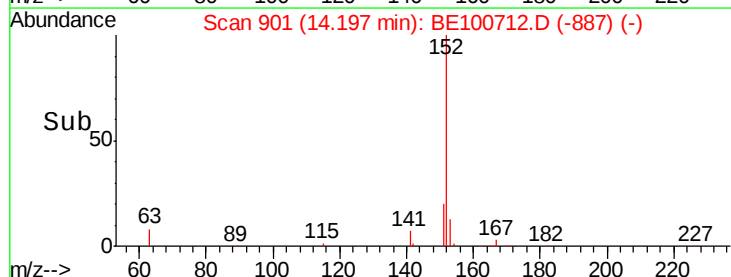
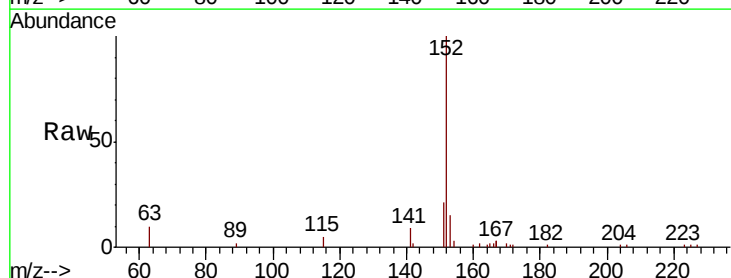
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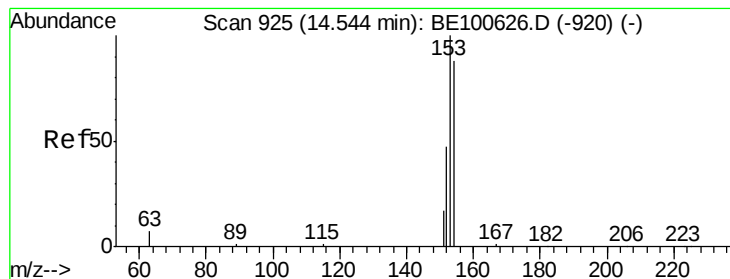
mohammad  
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#16  
Acenaphthylene  
Concen: 0.260 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 15.2  | 22.8  |
| 153     | 14.3  | 10.3  | 15.5  |





#17

Acenaphthene

Concen: 0.324 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA\_E

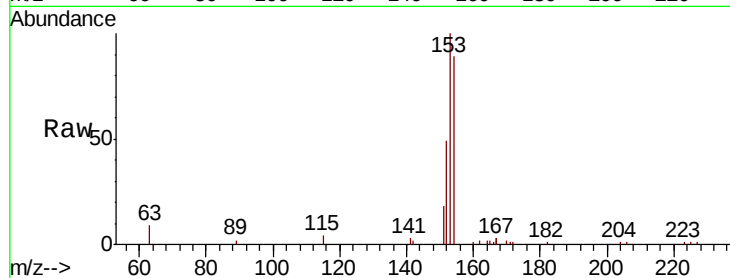
ClientSampled :

SO-1DL

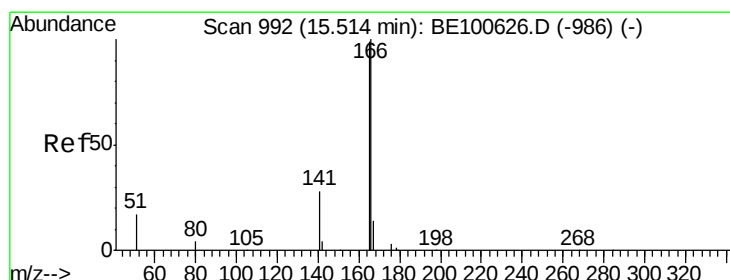
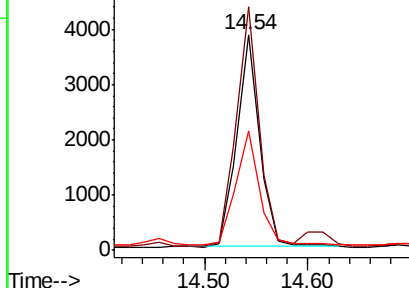
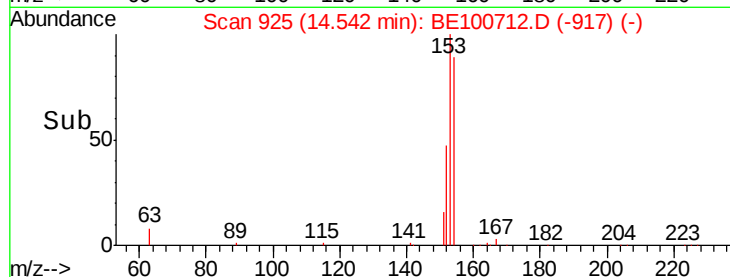
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 5819  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 114.3 | 89.4  | 134.2 |
| 152       | 56.6  | 44.1  | 66.1  |

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



#18

Fluorene

Concen: 0.248 ng

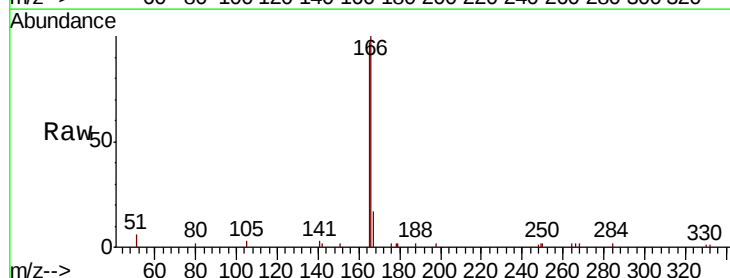
RT: 15.51 min Scan# 992

Delta R.T. 0.01 min

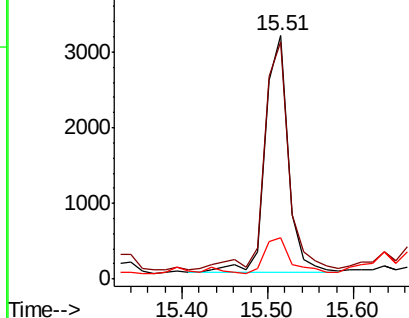
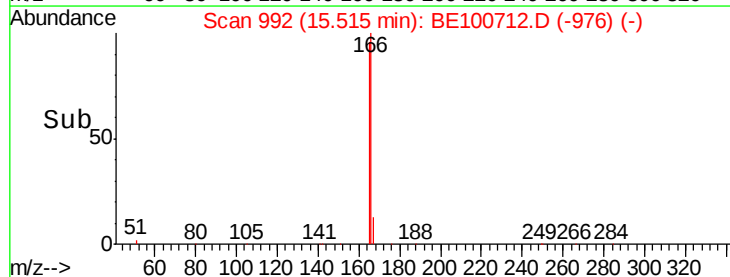
Lab File: BE100712.D

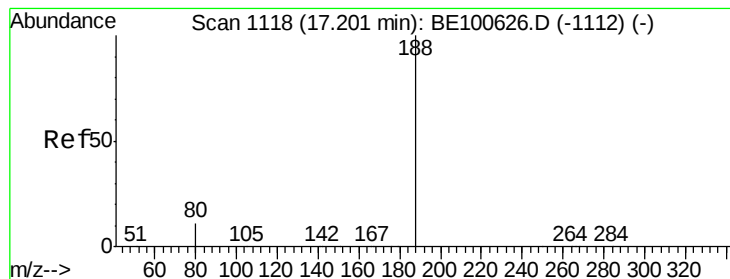
Acq: 8 Nov 2019 11:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 5902  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 100.3 | 78.6  | 117.8 |
| 167       | 17.3  | 10.9  | 16.3# |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA\_E

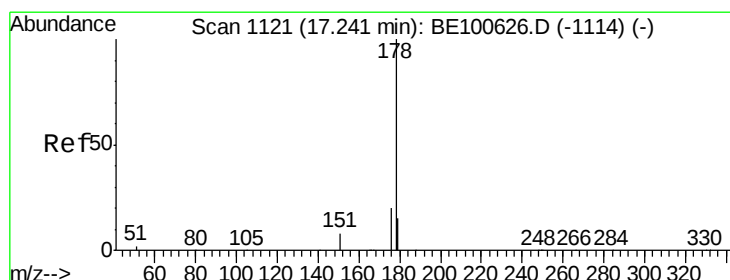
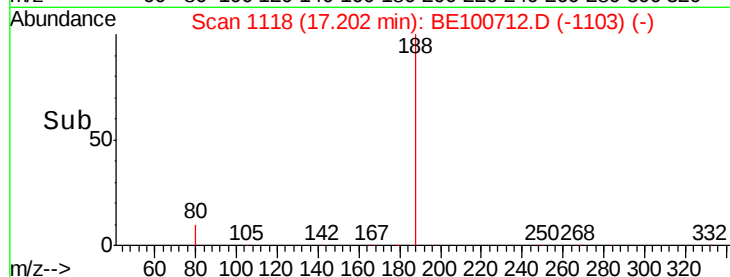
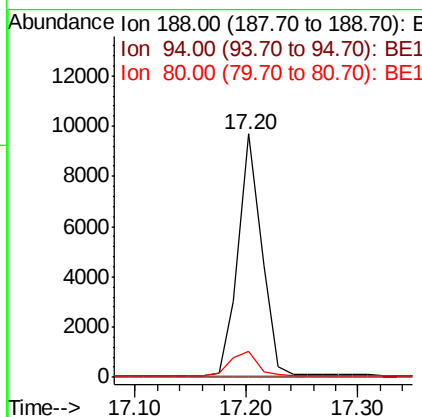
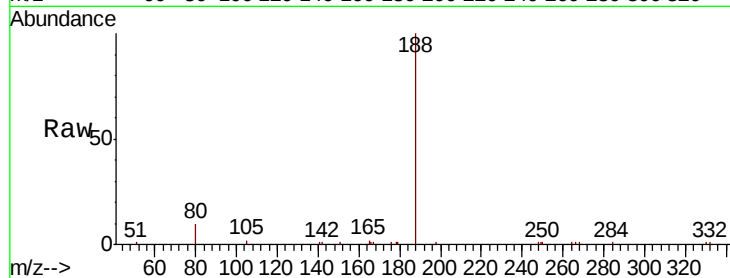
ClientSampled :

SO-1DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 14099 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 10.5  | 5.4   | 8.0#  |

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#23

Phenanthrene

Concen: 3.052 ng

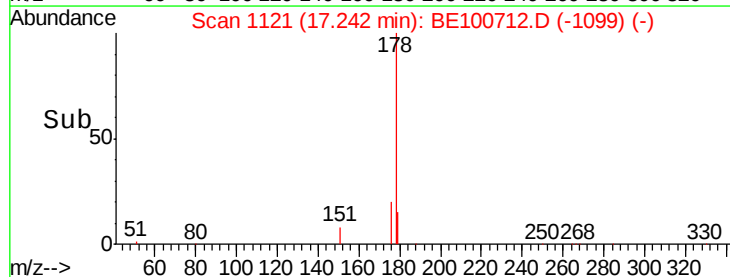
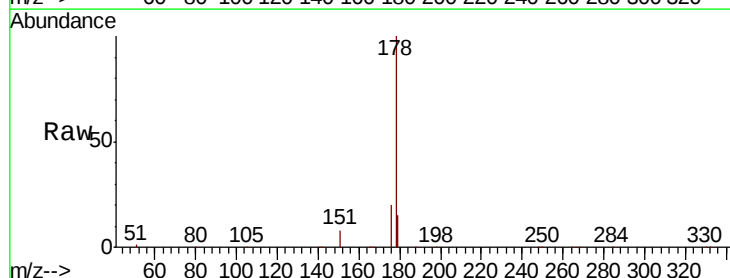
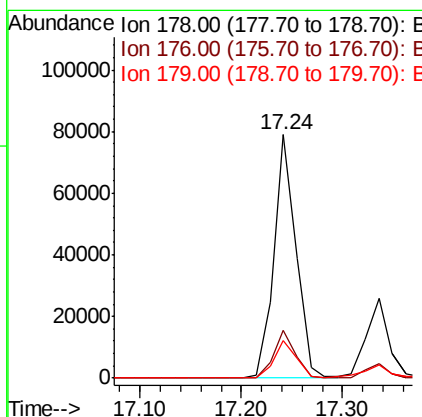
RT: 17.24 min Scan# 1121

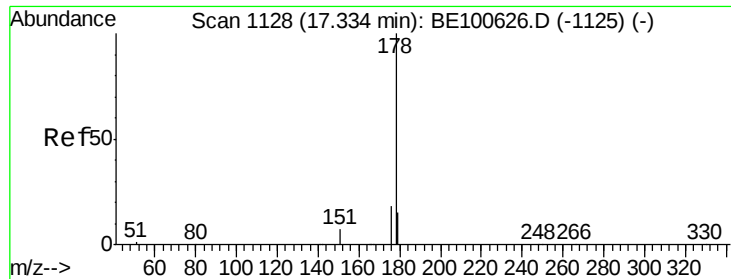
Delta R.T. 0.00 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 118348 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.4  | 15.2  | 22.8   |
| 179       | 15.5  | 12.1  | 18.1   |





#24

Anthracene

Concen: 1.058 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

Instrument :

BNA\_E

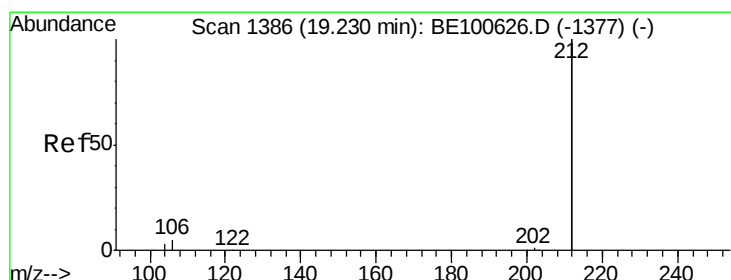
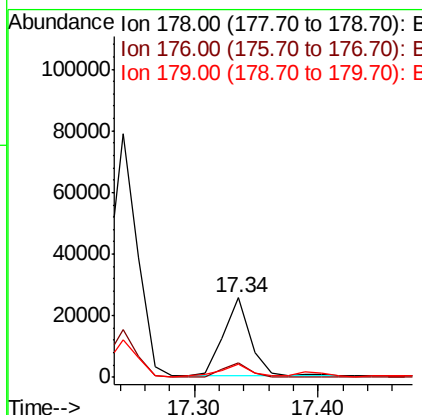
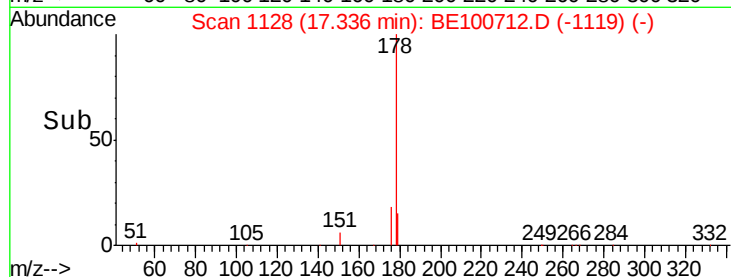
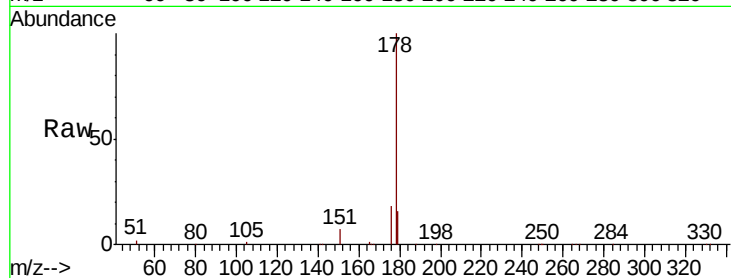
ClientSampled :

SO-1DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 38063 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.1  | 15.0  | 22.4  |
| 179       | 16.7  | 12.5  | 18.7  |

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#25

Fluoranthene-d10

Concen: 0.013 ng

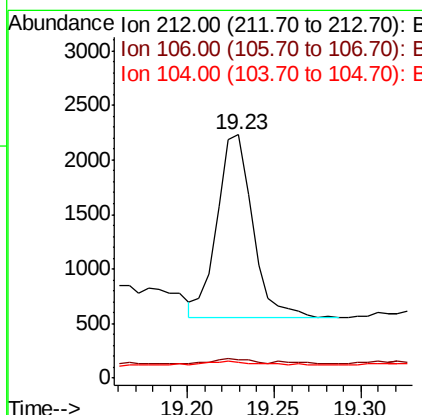
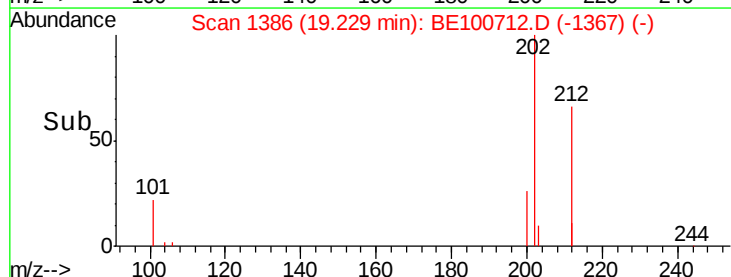
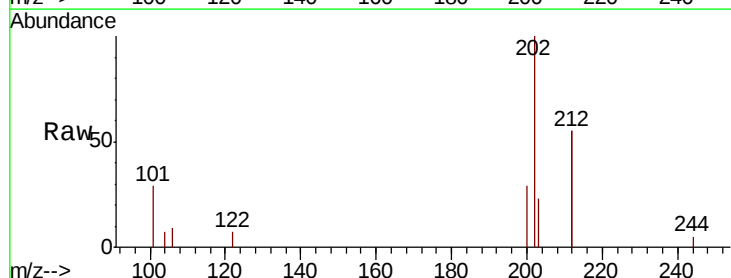
RT: 19.23 min Scan# 1386

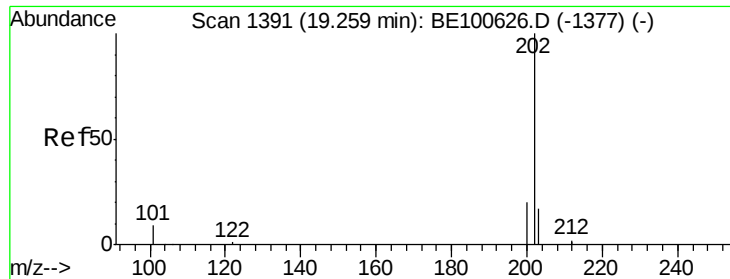
Delta R.T. 0.01 min

Lab File: BE100712.D

Acq: 8 Nov 2019 11:25

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 2389 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 2.8   | 2.3   | 3.5  |
| 104       | 5.0   | 1.3   | 1.9# |





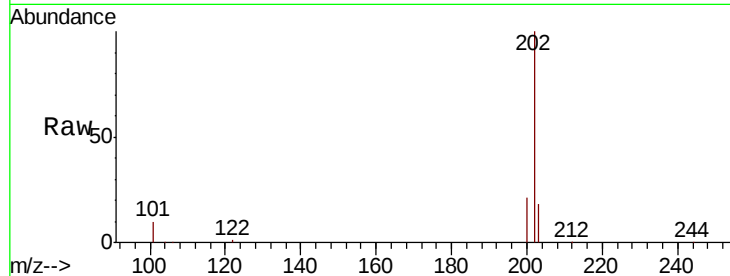
#26  
Fluoranthene  
Concen: 5.343 ng  
RT: 19.26 min Scan# 1391  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampled :  
SO-1DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 270451 |       |       |
| 101     | 10.6  |        | 8.5   | 12.7  |
| 203     | 17.5  |        | 13.8  | 20.8  |

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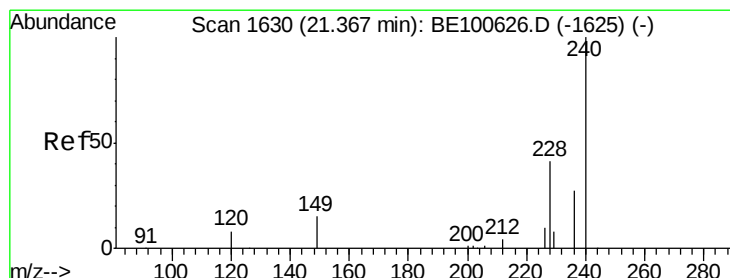
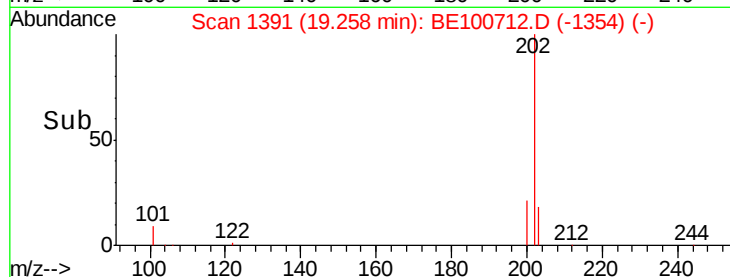
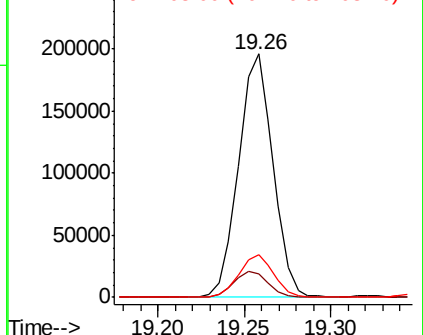


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

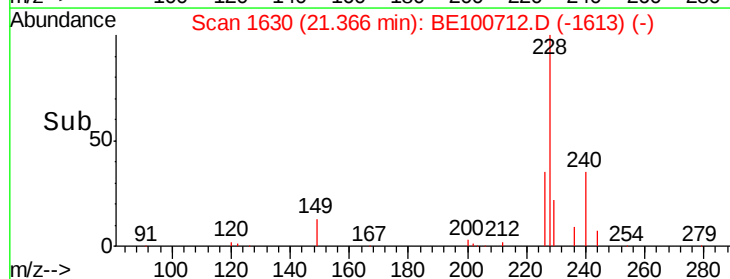
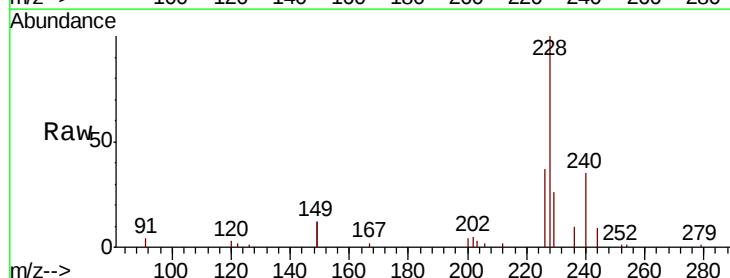
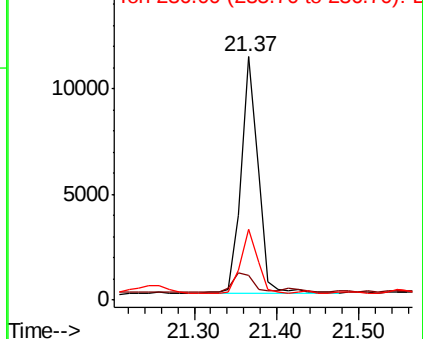
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 16099 |       |       |
| 120     | 10.0  |       | 7.6   | 11.4  |
| 236     | 29.0  |       | 22.1  | 33.1  |

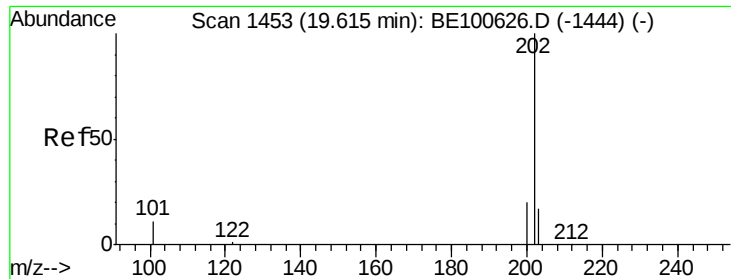
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





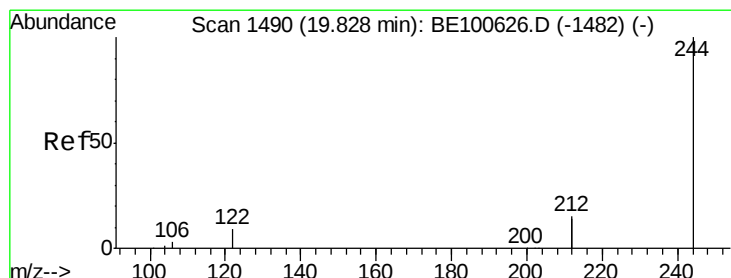
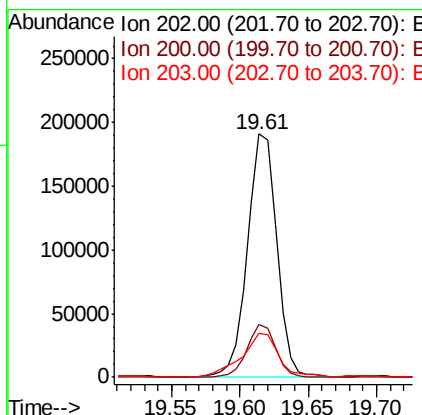
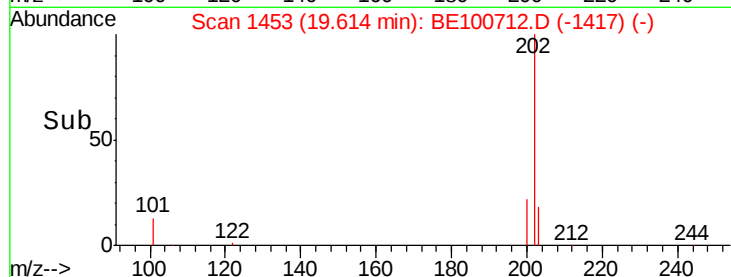
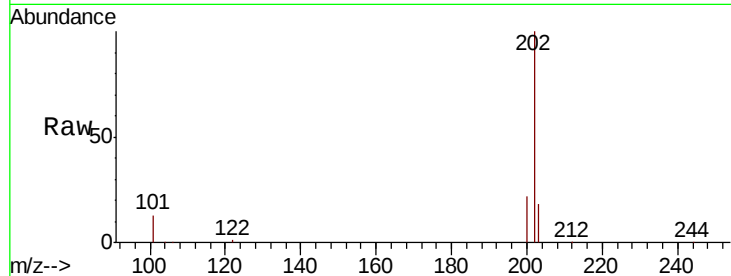
#28  
Pvrene  
Concen: 6.248 ng  
RT: 19.61 min Scan# 1453  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampled :  
SO-1DL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.3  | 16.7       | 25.1  |
| 203     | 22.6  | 14.0       | 21.0  |

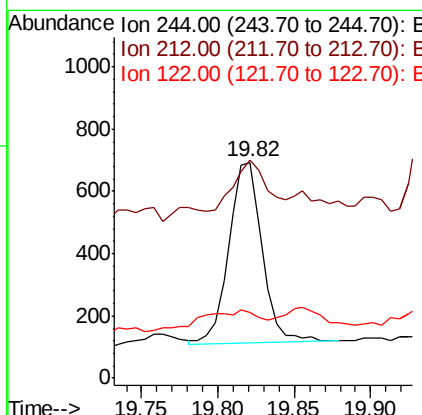
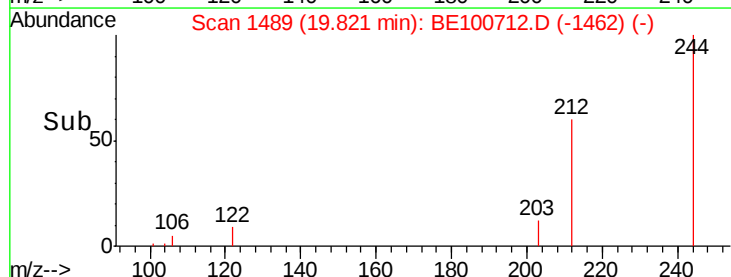
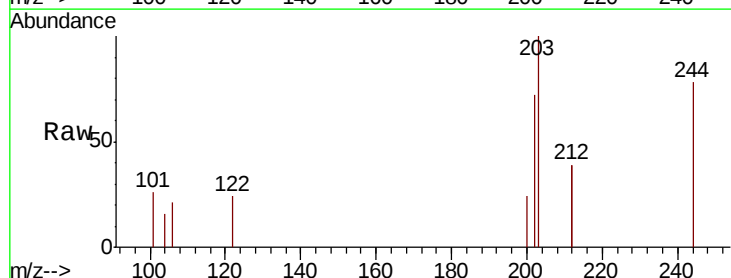
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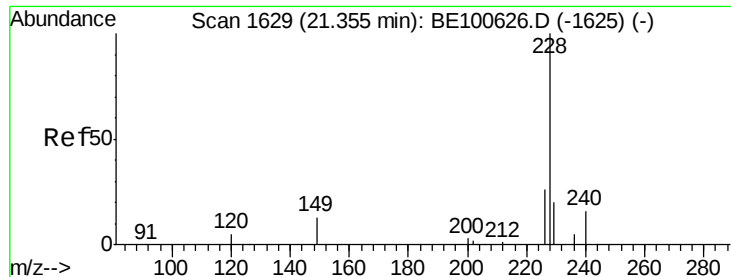
mohammad  
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#29  
Terphenyl-d14  
Concen: 0.025 ng  
RT: 19.82 min Scan# 1489  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 100.9 | 23.7       | 35.5  |
| 122     | 30.7  | 7.9        | 11.9  |





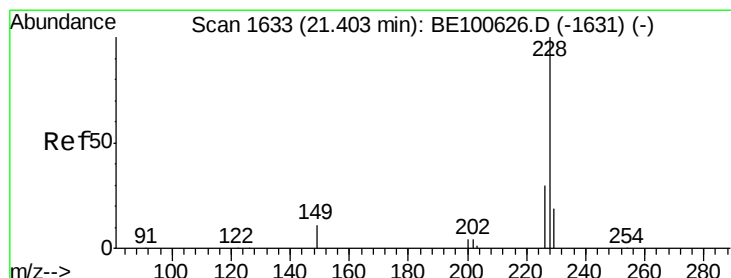
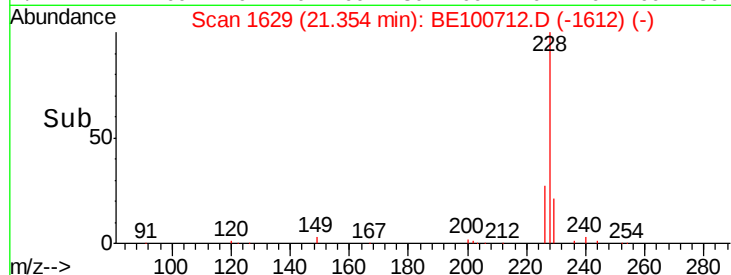
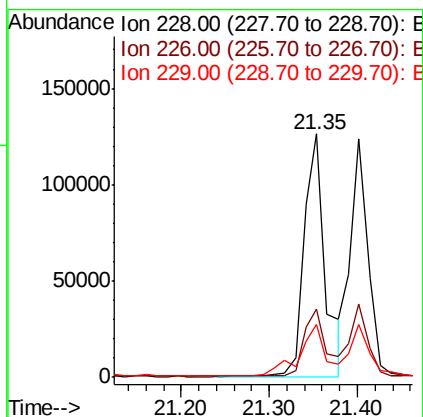
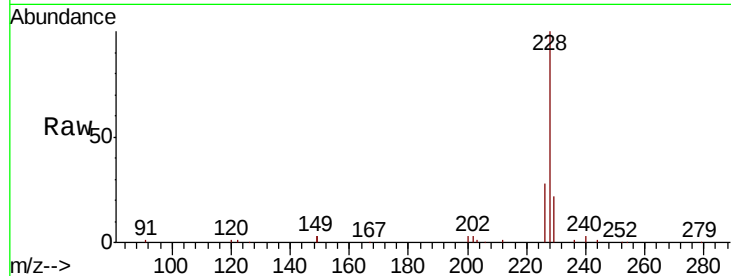
#30  
Benzo(a)anthracene  
Concen: 4.031 ng  
RT: 21.35 min Scan# 1629  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampleId :  
SO-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.9  | 21.4  | 32.0  |
| 229     | 21.7  | 16.0  | 24.0  |

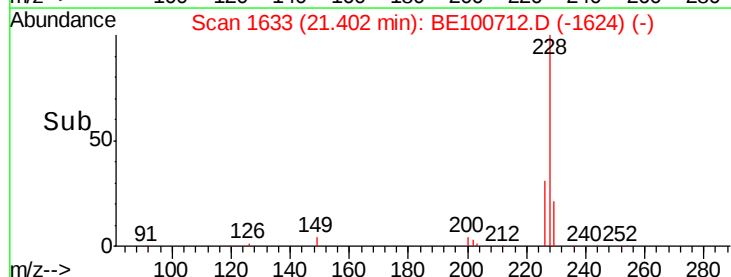
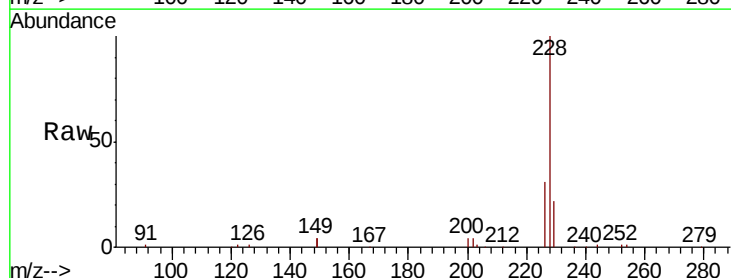
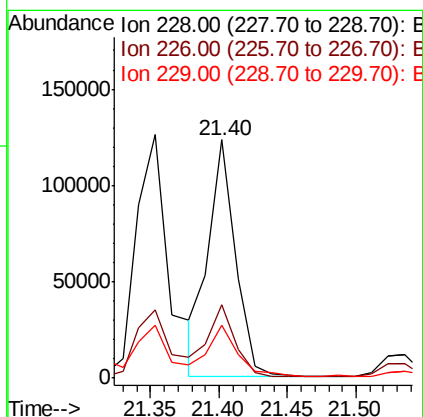
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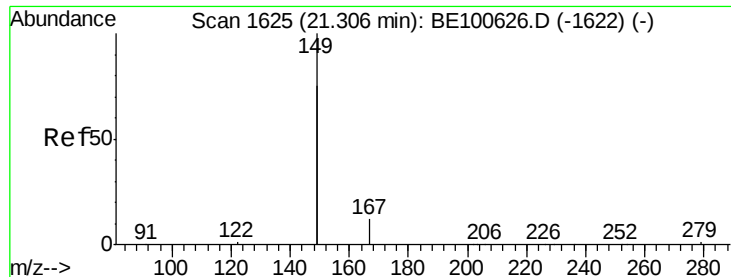
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#31  
Chrysene  
Concen: 3.214 ng  
RT: 21.40 min Scan# 1633  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 24.6  | 37.0  |
| 229     | 22.2  | 15.8  | 23.8  |





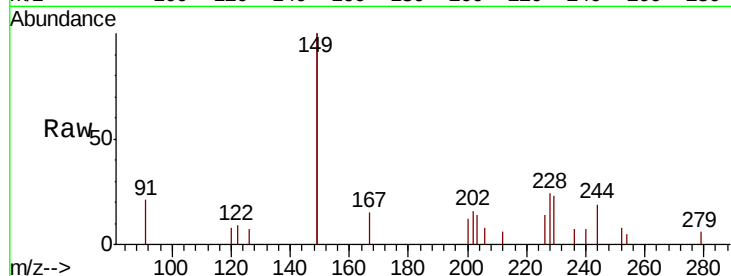
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.050 ng  
 RT: 21.28 min Scan# 1623  
 Delta R.T. -0.01 min  
 Lab File: BE100712.D  
 Acq: 8 Nov 2019 11:25

Instrument :  
 BNA\_E  
 ClientSampled :  
 SO-1DL

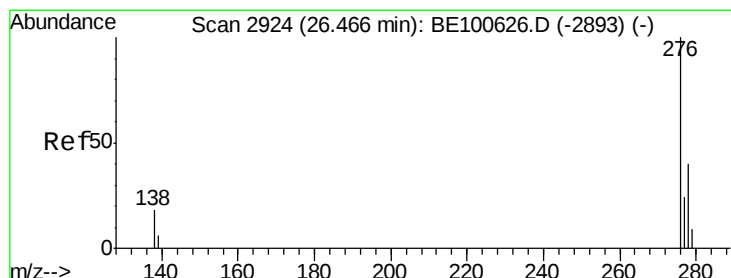
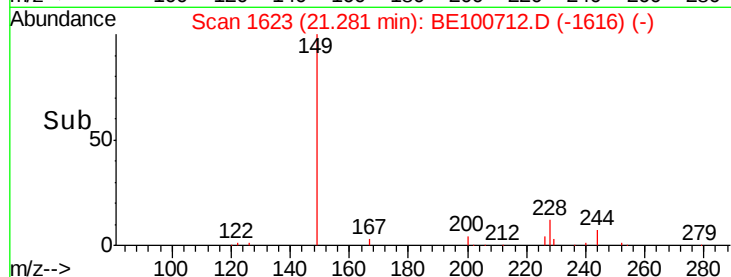
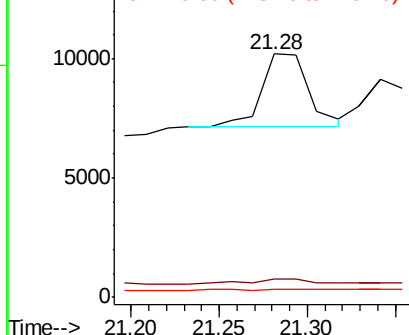
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 9.2   | 5.5   | 8.3#  |
| 279     | 2.5   | 0.9   | 1.3#  |

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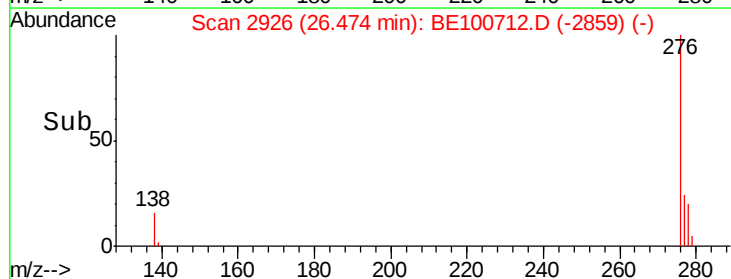
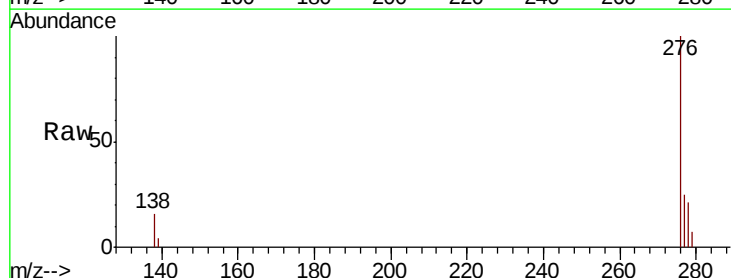
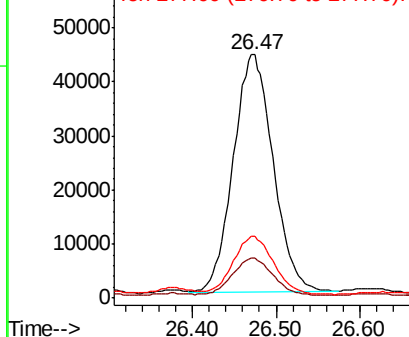
Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

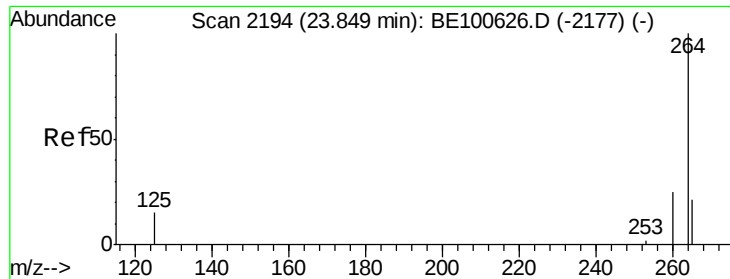


#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.255 ng  
 RT: 26.47 min Scan# 2926  
 Delta R.T. 0.04 min  
 Lab File: BE100712.D  
 Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.7  | 15.3  | 22.9  |
| 277     | 24.7  | 19.4  | 29.2  |

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





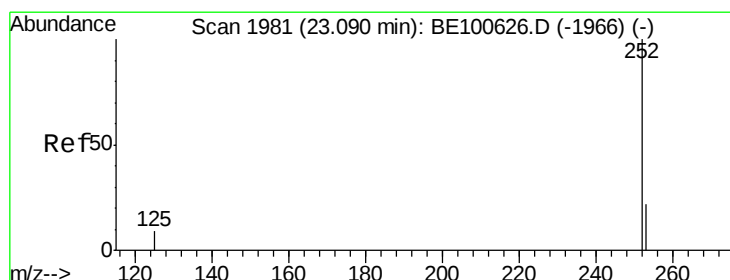
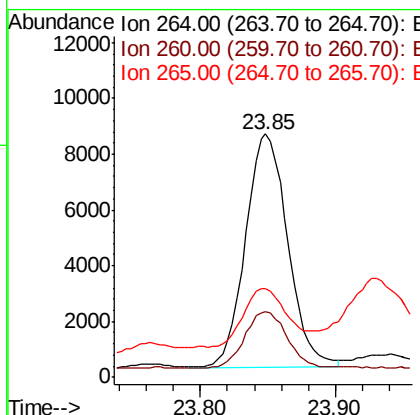
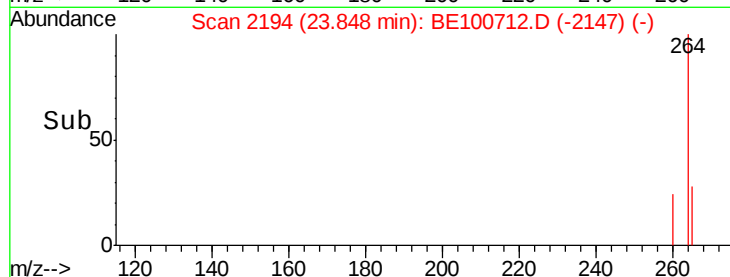
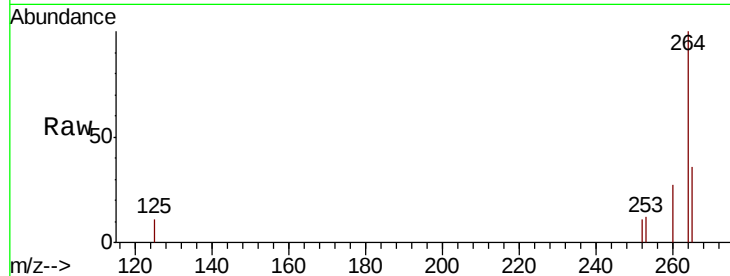
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.85 min Scan# 2194  
Delta R.T. 0.02 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampled :  
SO-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 27.2  | 19.4  | 29.2  |
| 265     | 36.3  | 21.7  | 32.5  |

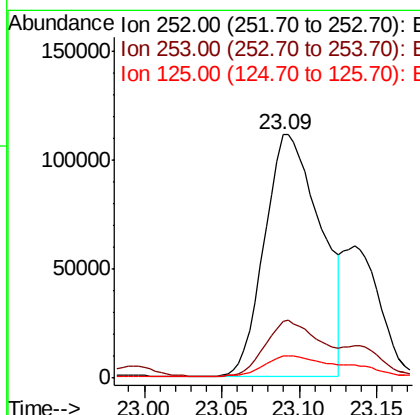
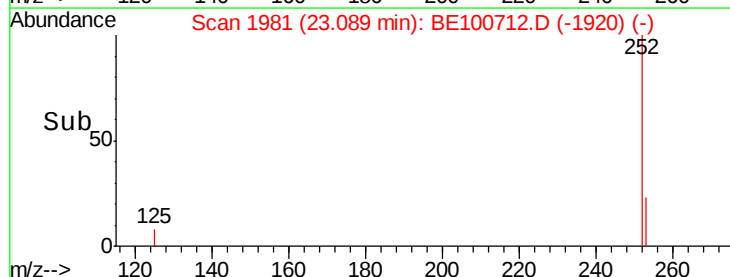
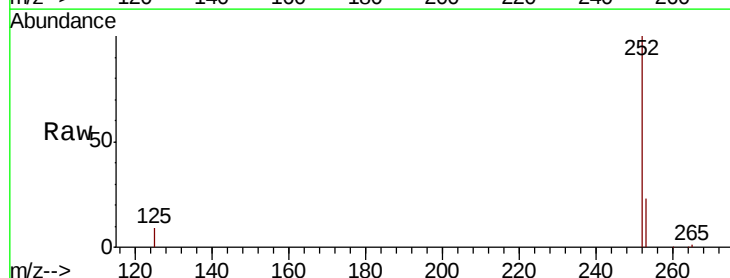
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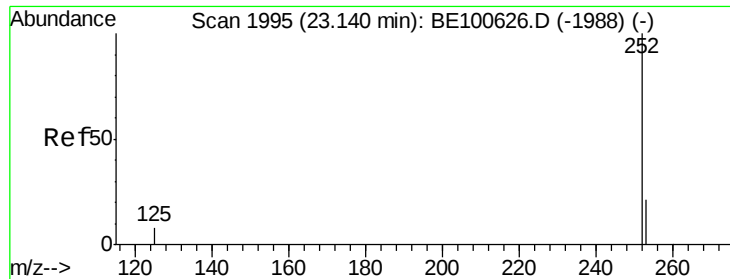
mohammad  
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#35  
Benzo(b)fluoranthene  
Concen: 5.253 ng  
RT: 23.09 min Scan# 1981  
Delta R.T. 0.02 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 18.4  | 27.6  |
| 125     | 8.9   | 7.6   | 11.4  |





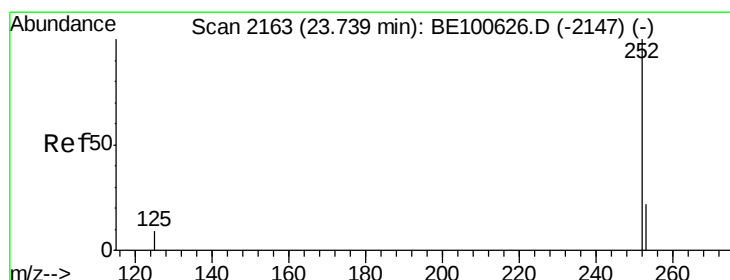
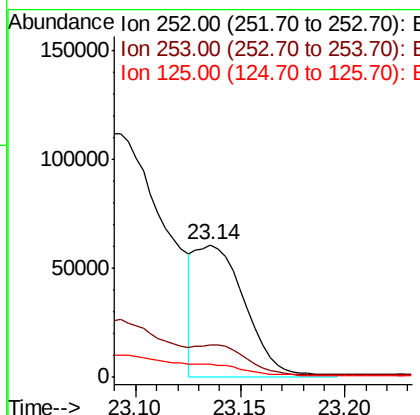
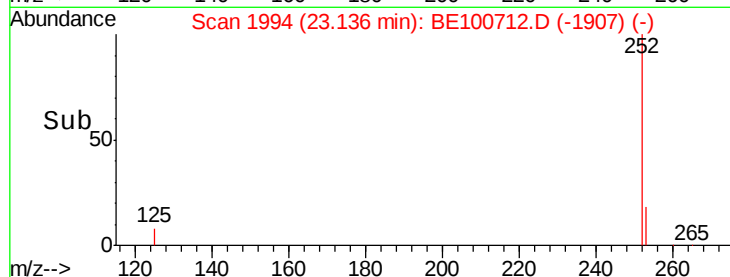
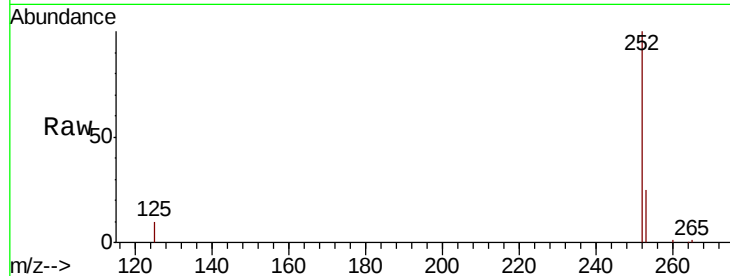
#36  
Benzo(k)fluoranthene  
Concen: 1.877 ng m  
RT: 23.14 min Scan# 1994  
Delta R.T. 0.01 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampleId :  
SO-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 18.4  | 27.6  |
| 125     | 9.5   | 11.6  | 17.4  |

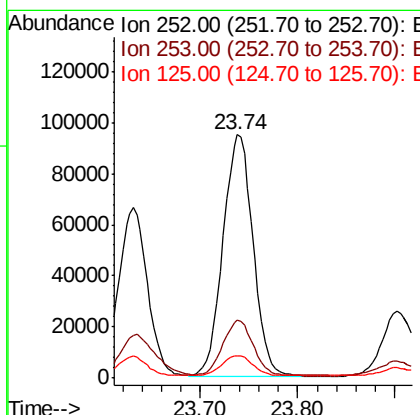
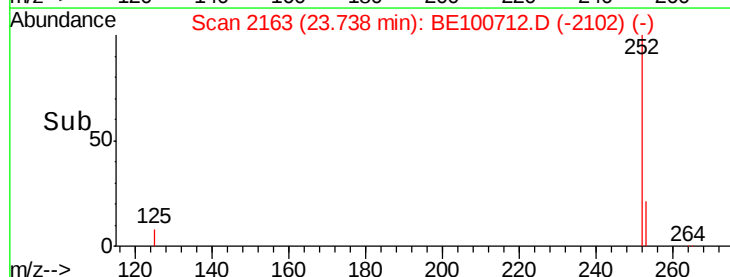
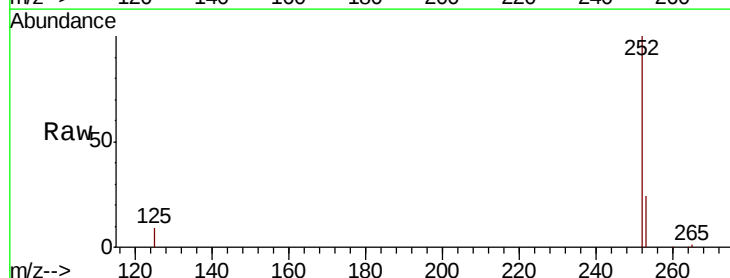
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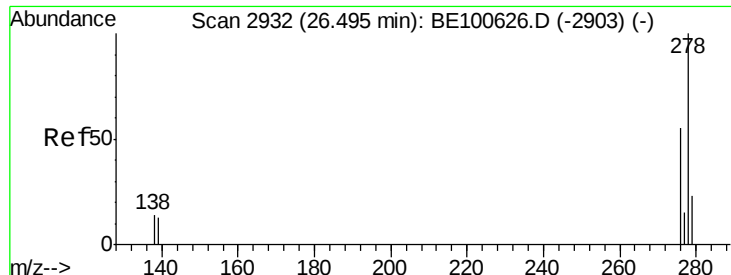
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#37  
Benzo(a)pyrene  
Concen: 4.067 ng  
RT: 23.74 min Scan# 2163  
Delta R.T. 0.02 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 18.4  | 27.6  |
| 125     | 9.3   | 8.2   | 12.4  |





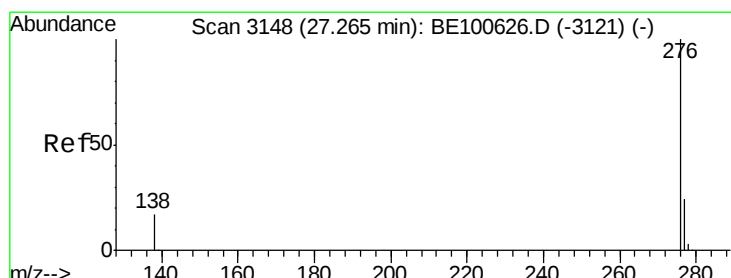
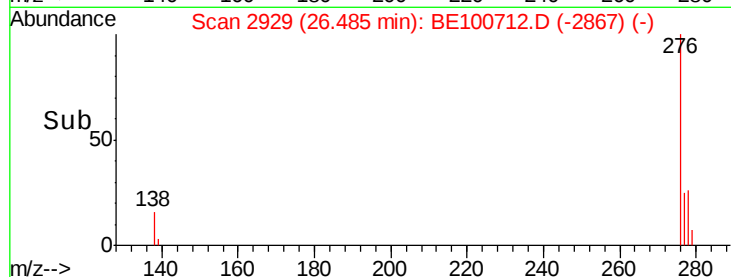
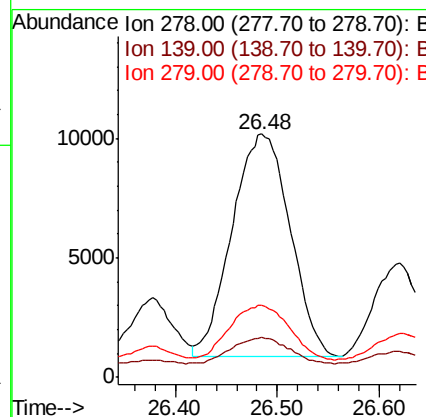
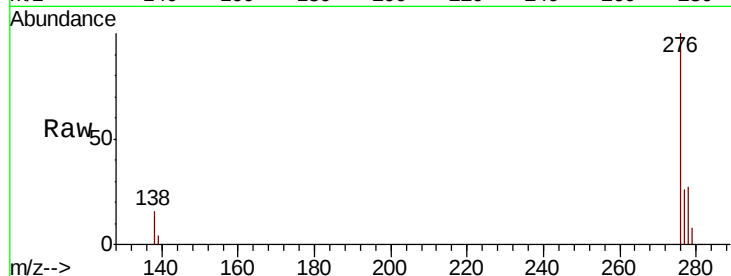
#38  
Dibenzo(a,h)anthracene  
Concen: 0.712 ng  
RT: 26.48 min Scan# 2929  
Delta R.T. 0.02 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

Instrument :  
BNA\_E  
ClientSampleId :  
SO-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.4  | 10.9  | 16.3# |
| 279     | 29.7  | 19.4  | 29.2# |

Manual Integrations  
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#39  
Benzo(g,h,i)perylene  
Concen: 2.771 ng  
RT: 27.28 min Scan# 3152  
Delta R.T. 0.05 min  
Lab File: BE100712.D  
Acq: 8 Nov 2019 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.9  | 19.4  | 29.0  |
| 138     | 16.9  | 13.6  | 20.4  |

