

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\  
 Data File : BE100250.D  
 Acq On : 29 Jun 2019 00:26  
 Operator : JU/SJ  
 Sample : K3445-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-008-SW112-061719

Manual Integrations  
 APPROVED

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 7/1/2019 3:07:27 PM

Quant Time: Jun 29 01:07:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 29 00:22:29 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 821      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 2997     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2356     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 7035     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.25 | 240  | 9770     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 11482    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.21  | 112 | 769   | 0.37 | ng | 0.00  |
| 5) Phenol-d6                | 6.82  | 99  | 933   | 0.34 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.81  | 82  | 966   | 0.32 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 2087  | 0.37 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 577   | 0.35 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 3062  | 0.33 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 35173 | 0.34 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 6400  | 0.32 | ng | 0.00  |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.49 | 128 | 7818   | 0.237 | ng | 100    |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 1671   | 0.288 | ng | 95     |
| 16) Acenaphthylene             | 14.04 | 152 | 4924   | 0.436 | ng | 100    |
| 17) Acenaphthene               | 14.38 | 154 | 773    | 0.121 | ng | 100    |
| 18) Fluorene                   | 15.35 | 166 | 1345   | 0.142 | ng | # 83   |
| 23) Phenanthrene               | 17.09 | 178 | 35576  | 2.086 | ng | 99     |
| 24) Anthracene                 | 17.19 | 178 | 7788   | 0.507 | ng | # 95   |
| 26) Fluoranthene               | 19.13 | 202 | 92615  | 3.410 | ng | 99     |
| 28) Pyrene                     | 19.49 | 202 | 100859 | 3.899 | ng | # 95   |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 70063m | 2.181 | ng |        |
| 31) Chrysene                   | 21.28 | 228 | 87880  | 2.724 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 24747  | 0.487 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 57429  | 1.346 | ng | # 97   |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 97802  | 3.142 | ng | # 97   |
| 36) Benzo(k)fluoranthene       | 22.97 | 252 | 29849m | 0.859 | ng |        |
| 37) Benzo(a)pyrene             | 23.56 | 252 | 66025m | 2.116 | ng |        |
| 38) Dibenzo(a,h)anthracene     | 26.23 | 278 | 14955  | 0.459 | ng | # 88   |
| 39) Benzo(a,h,i)perylene       | 27.02 | 276 | 62598  | 1.870 | ng | 98     |

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

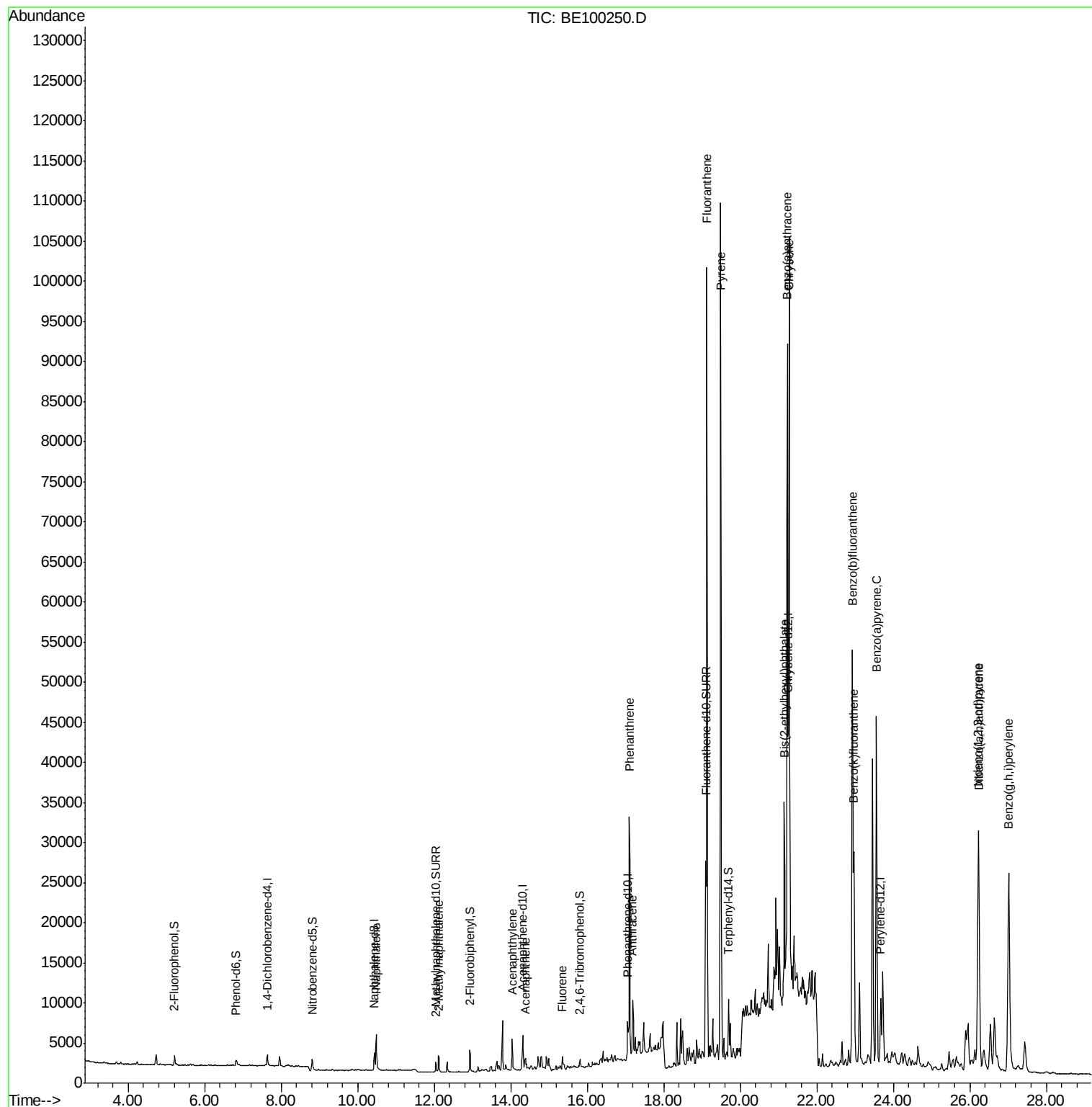
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\  
Data File : BE100250.D  
Acq On : 29 Jun 2019 00:26  
Operator : JU/SJ  
Sample : K3445-04  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

Manual Integrations  
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7/1/2019 3:07:27 PM

Quant Time: Jun 29 01:07:56 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 29 00:22:29 2019  
Response via : Initial Calibration





#1

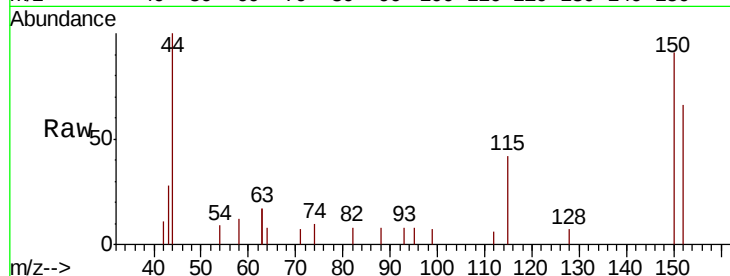
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.64 min Scan# 415  
Delta R.T. -0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 137.4 | 114.5 | 171.7 |
| 115     | 63.4  | 57.1  | 85.7  |

Manual Integrations  
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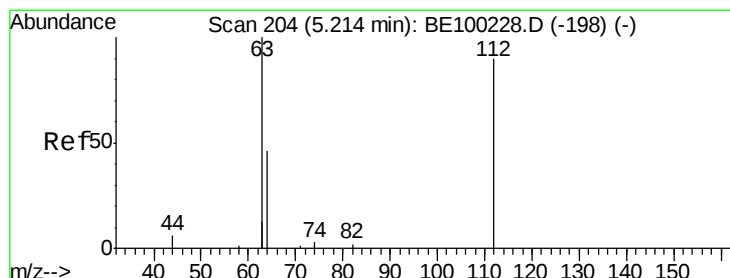
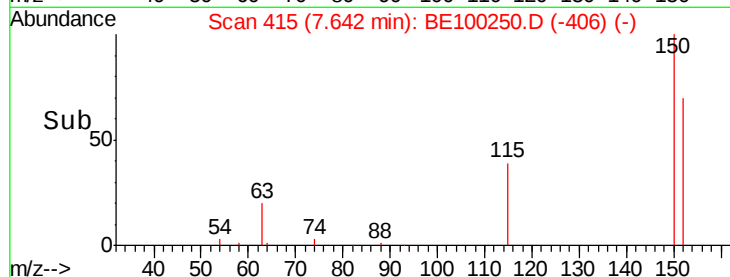
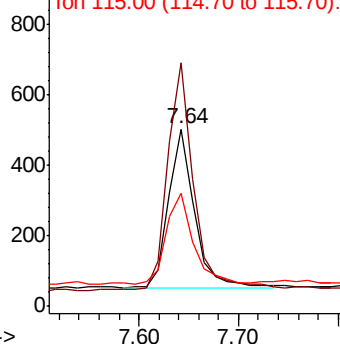


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

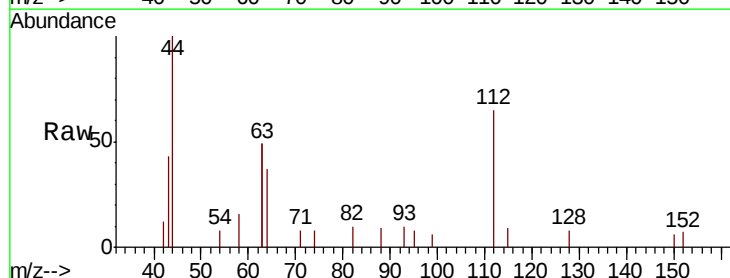
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol  
Concen: 0.367 ng  
RT: 5.21 min Scan# 204  
Delta R.T. -0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.1  | 39.4  | 59.0  |
| 63      | 124.8 | 104.5 | 156.7 |

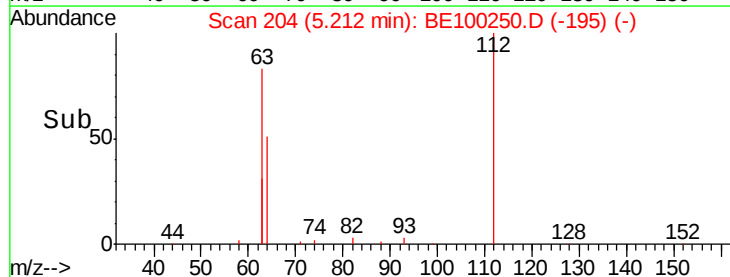
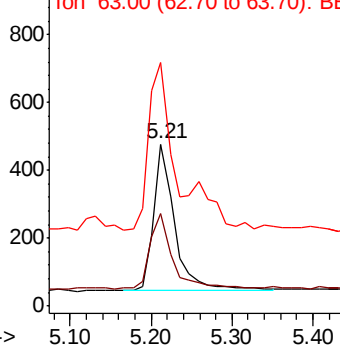


Abundance

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: 0.339 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

Instrument :

BNA\_E

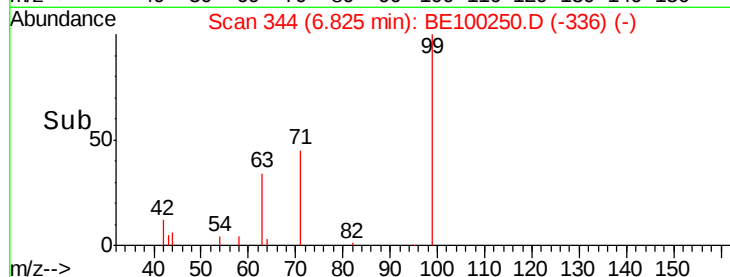
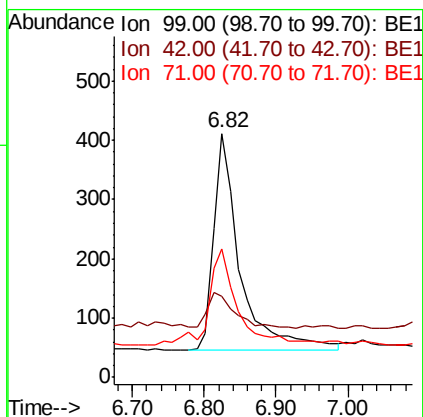
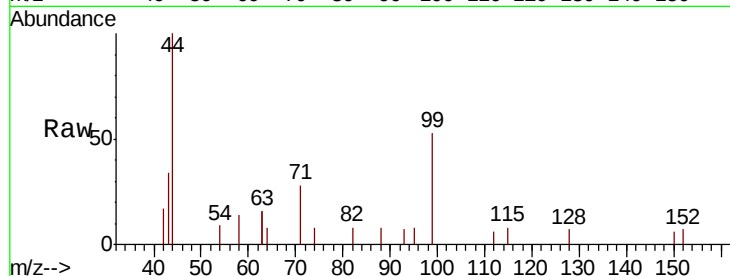
ClientSampleId :

EXT-008-SW112-061719

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 933   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 16.0  | 11.2  | 16.8  |
| 71       | 46.2  | 37.2  | 55.8  |

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#7

Naphthalene-d8

Concen: 0.400 ng

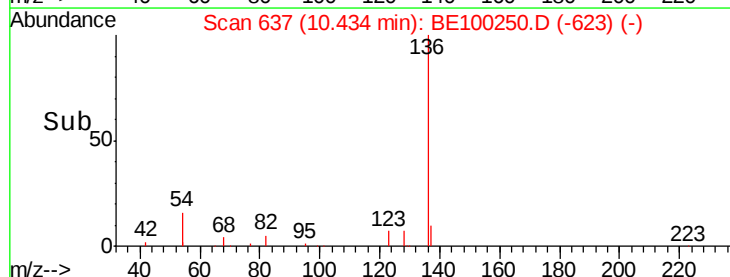
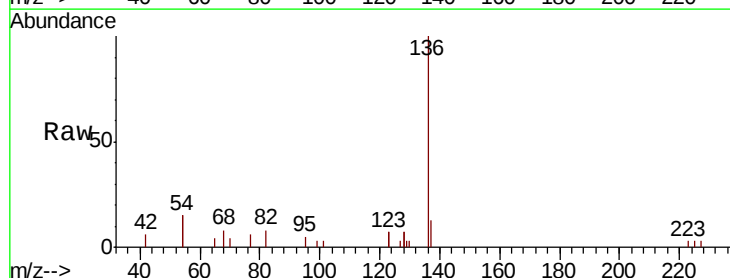
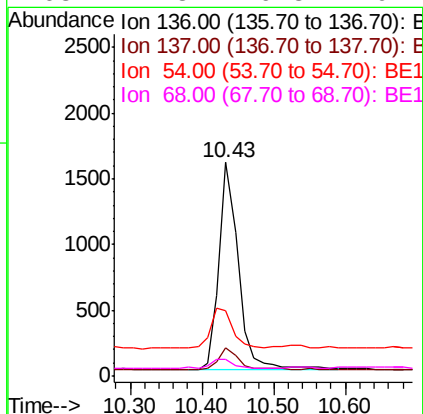
RT: 10.43 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 2997  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.0  | 11.8  | 17.8  |
| 54       | 30.3  | 27.7  | 41.5  |
| 68       | 7.8   | 6.8   | 10.2  |





#8

Nitrobenzene-d5

Concen: 0.324 ng

RT: 8.81 min Scan# 512

Delta R.T. -0.01 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

Instrument :

BNA\_E

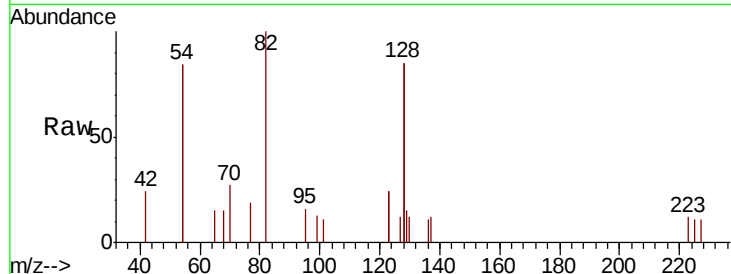
ClientSampleId :

EXT-008-SW112-061719

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 966   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 169.3 | 140.9 | 211.3 |
| 54       | 168.4 | 146.2 | 219.2 |

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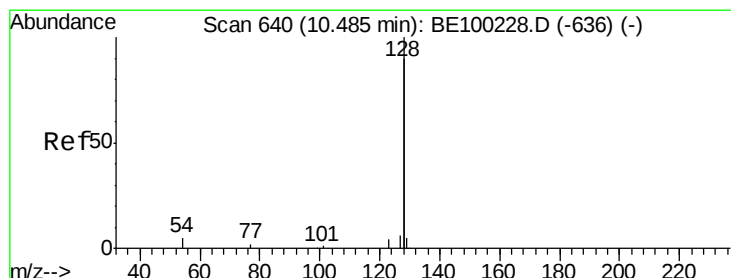
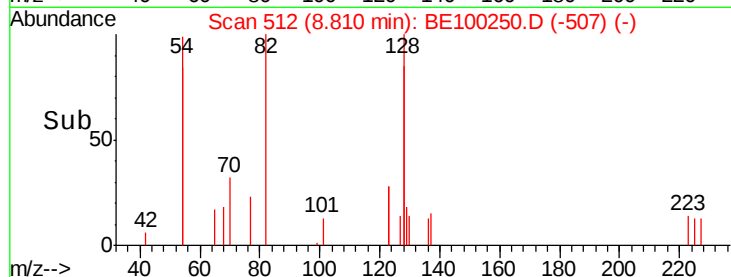
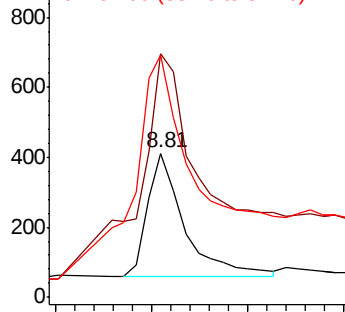


Abundance

Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.237 ng

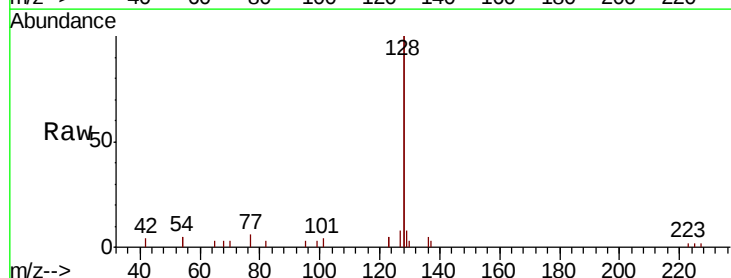
RT: 10.49 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 7818  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 3.8   | 3.0   | 4.6   |
| 127      | 4.2   | 3.5   | 5.3   |

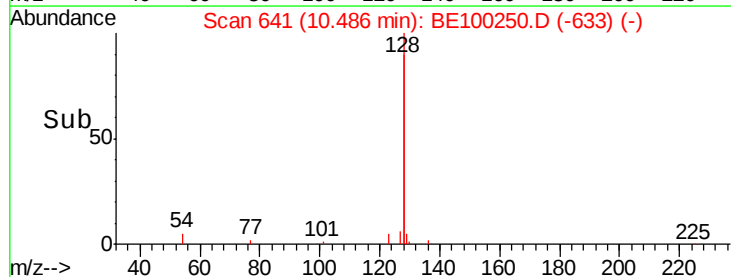
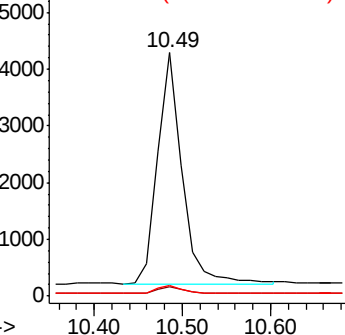


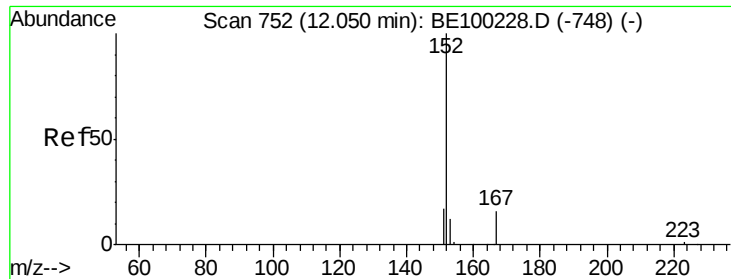
Abundance

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





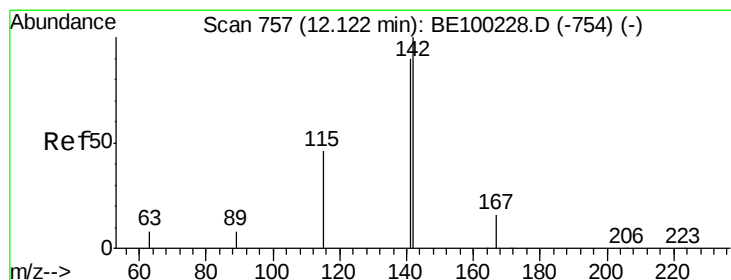
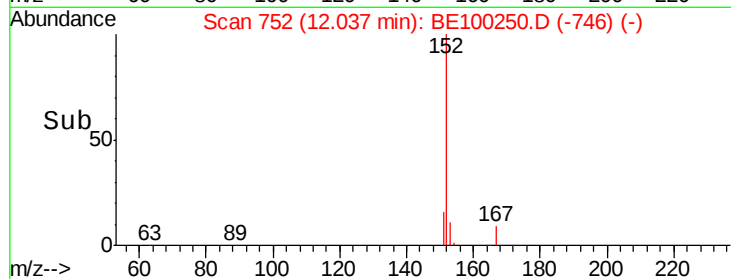
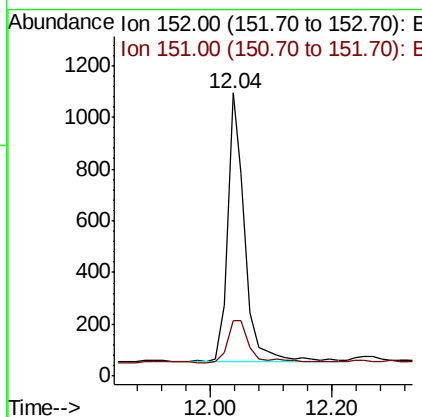
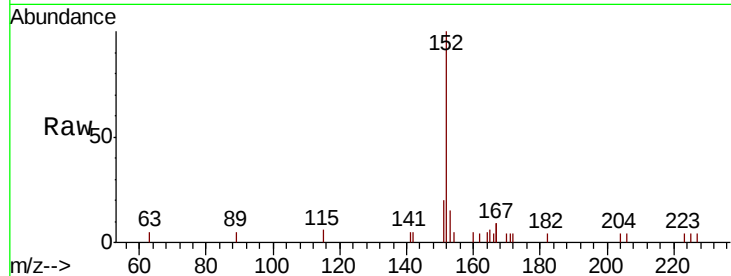
#11  
2-Methylnaphthalene-d10  
Concen: 0.370 ng  
RT: 12.04 min Scan# 752  
Delta R.T. -0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

Tot Ion:152 Resp: 2087  
Ion Ratio Lower Upper  
152 100  
151 20.7 15.1 22.7

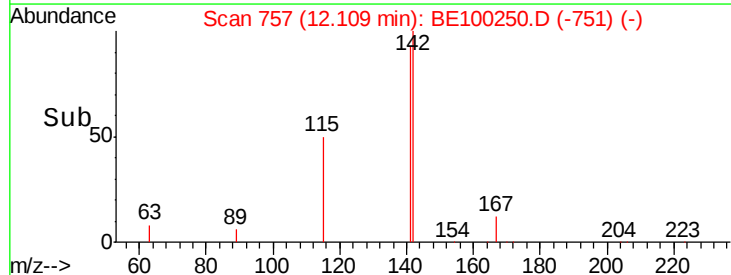
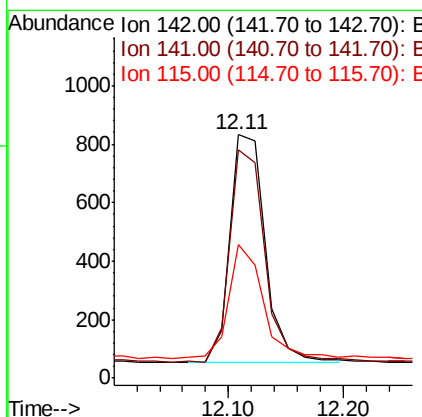
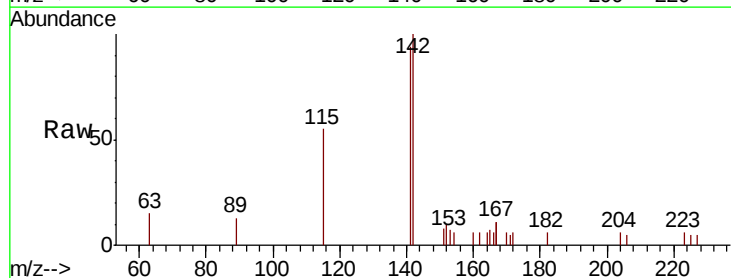
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#12  
2-Methylnaphthalene  
Concen: 0.288 ng  
RT: 12.11 min Scan# 757  
Delta R.T. -0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Tgt Ion:142 Resp: 1671  
Ion Ratio Lower Upper  
142 100  
141 93.9 72.4 108.6  
115 55.0 40.4 60.6





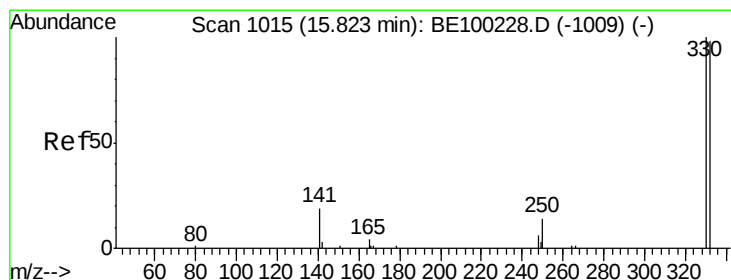
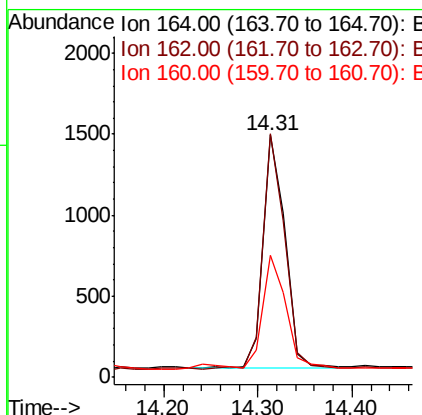
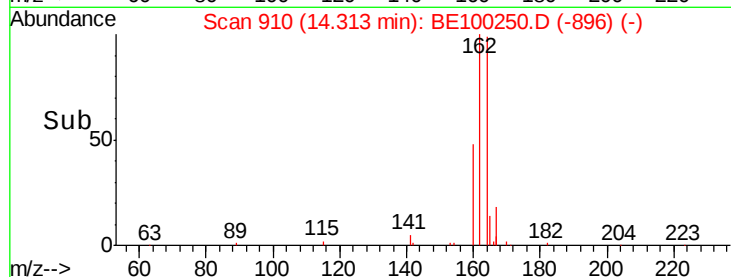
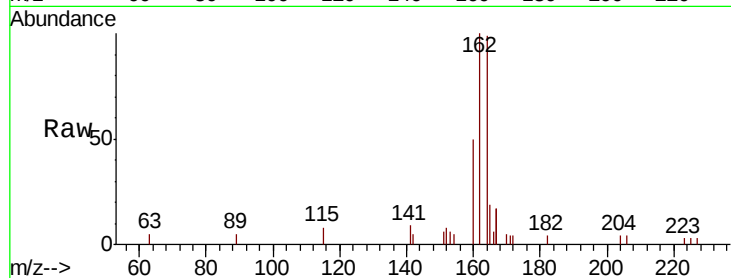
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.31 min Scan# 910  
Delta R.T. 0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.7 | 83.4  | 125.0 |
| 160     | 50.5  | 45.0  | 67.6  |

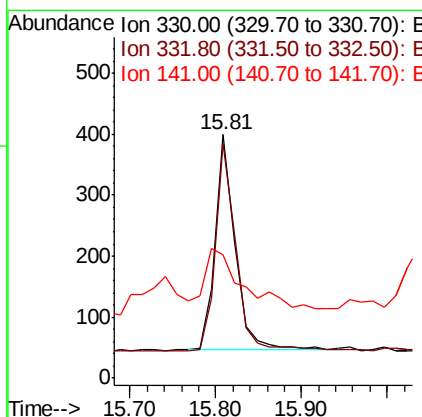
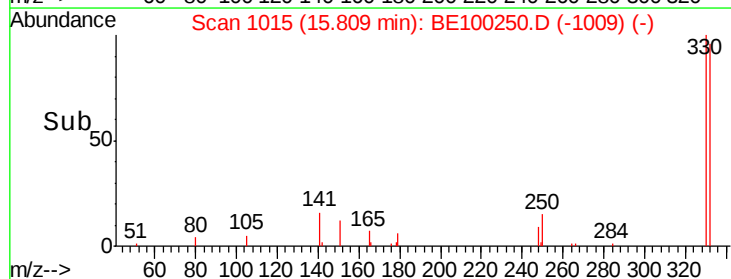
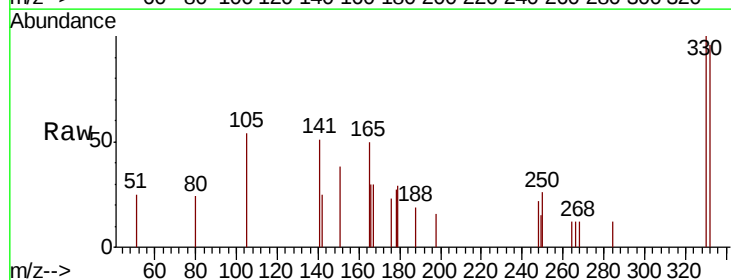
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#14  
2,4,6-Tribromophenol  
Concen: 0.350 ng  
RT: 15.81 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.4 |
| 141     | 49.6  | 22.0  | 33.0# |





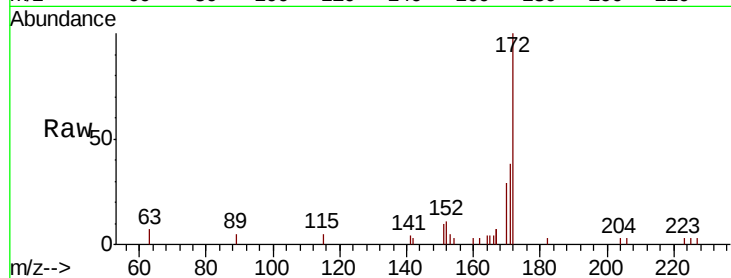
#15  
2-Fluorobiphenyl  
Concen: 0.334 ng  
RT: 12.93 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 31.9  | 47.9  |
| 170     | 28.7  | 22.2  | 33.2  |

Manual Integrations  
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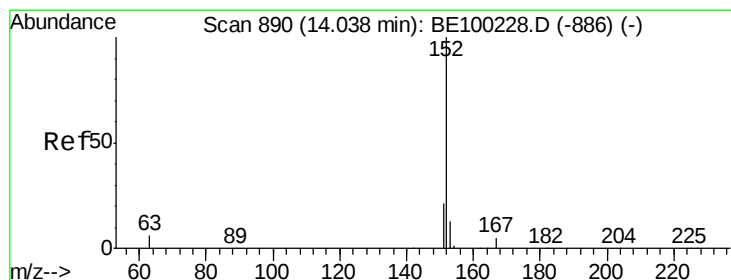
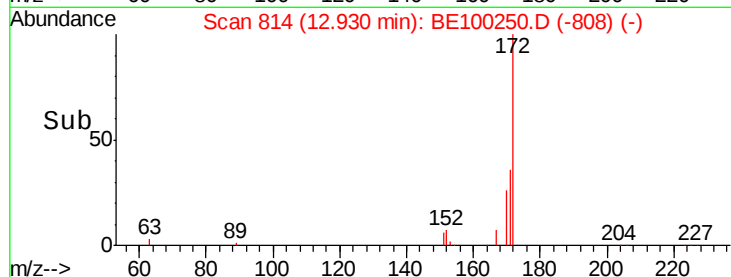
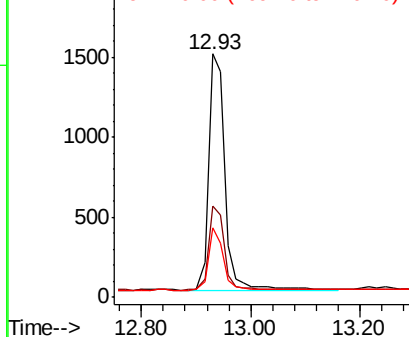


Abundance

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: 0.436 ng  
RT: 14.04 min Scan# 891  
Delta R.T. 0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

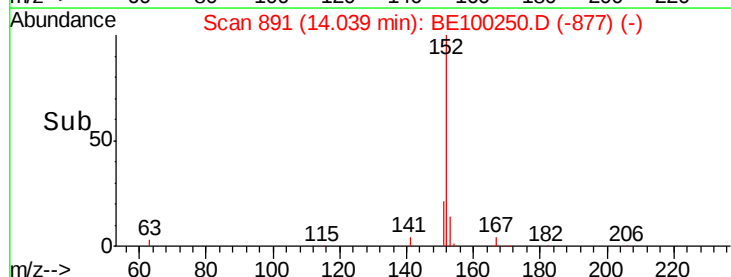
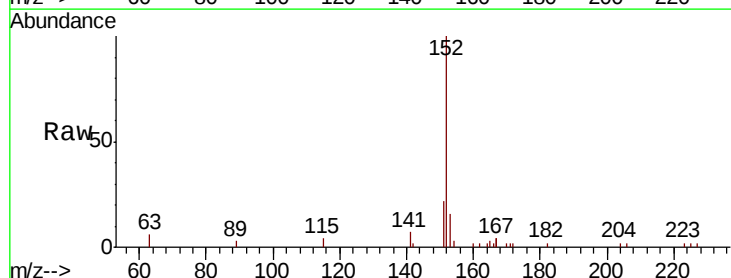
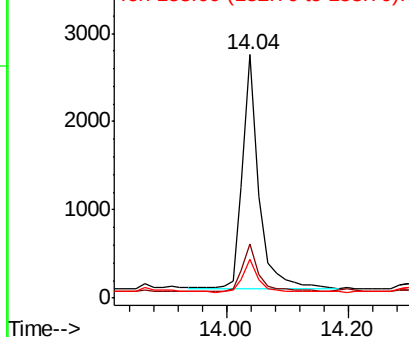
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.6  | 16.6  | 25.0  |
| 153     | 13.2  | 10.5  | 15.7  |

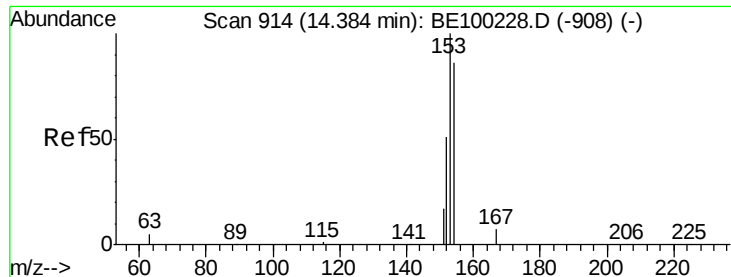
Abundance

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





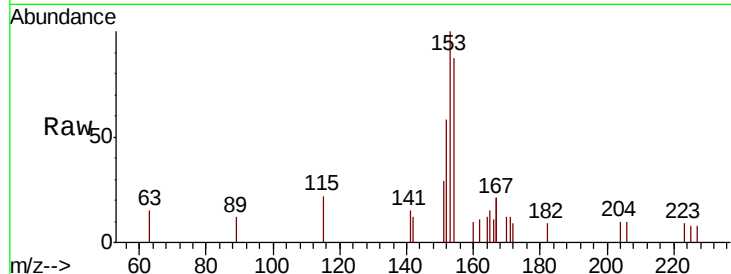
#17  
Acenaphthene  
Concen: 0.121 ng  
RT: 14.38 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 116.7 | 93.4  | 140.2 |
| 152     | 62.1  | 49.4  | 74.2  |

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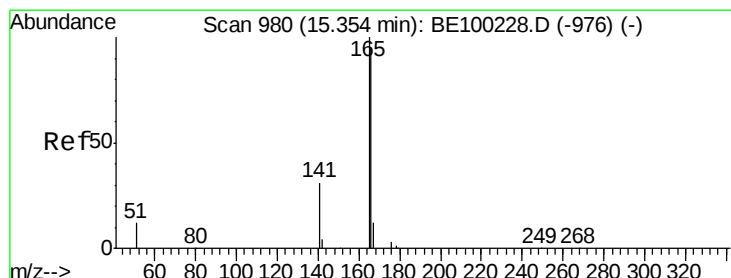
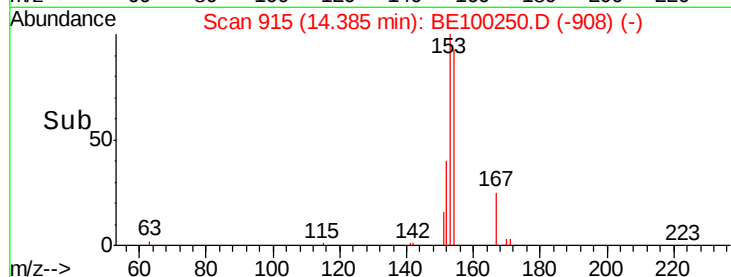
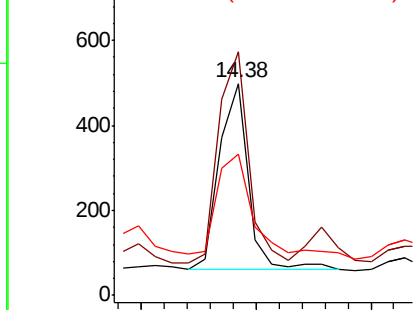


Abundance

Ion 154.00 (153.70 to 154.70): E

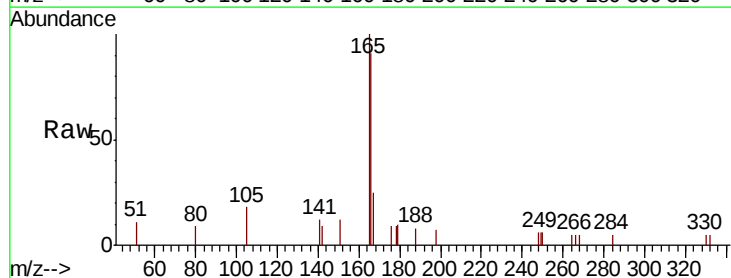
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18  
Fluorene  
Concen: 0.142 ng  
RT: 15.35 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 115.4 | 81.1  | 121.7 |
| 167     | 30.2  | 10.7  | 16.1# |

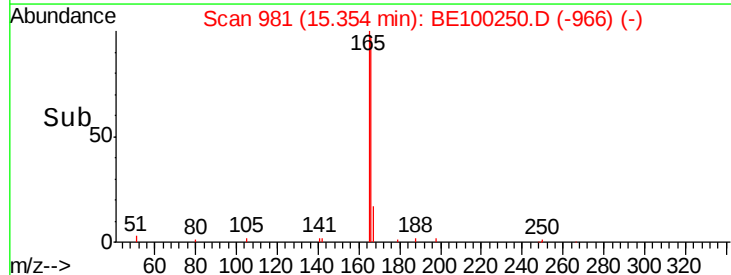
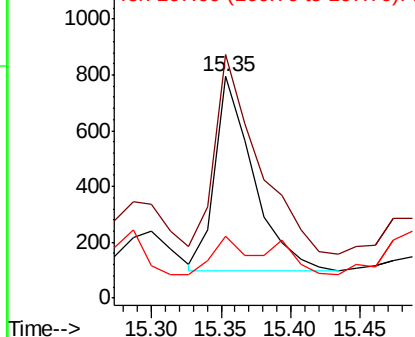


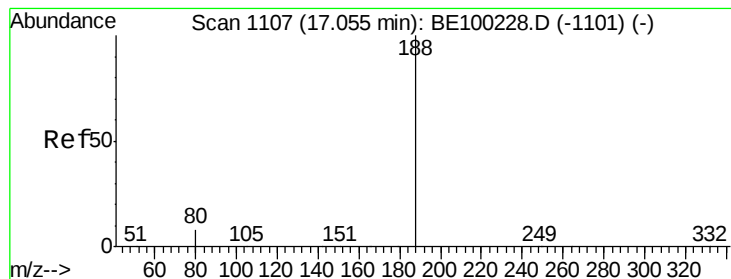
Abundance

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: 17.05 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

Instrument :

BNA\_E

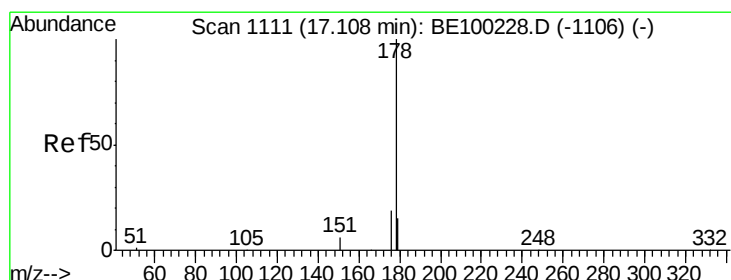
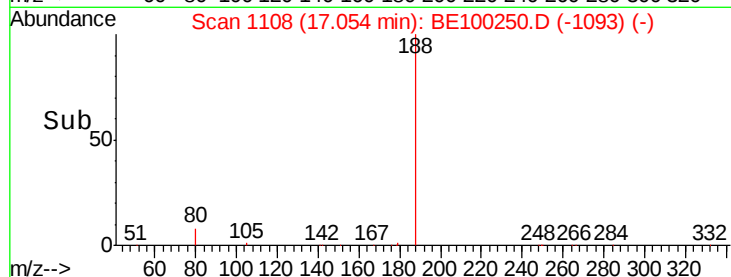
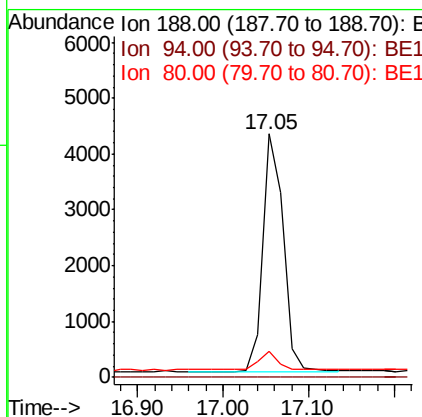
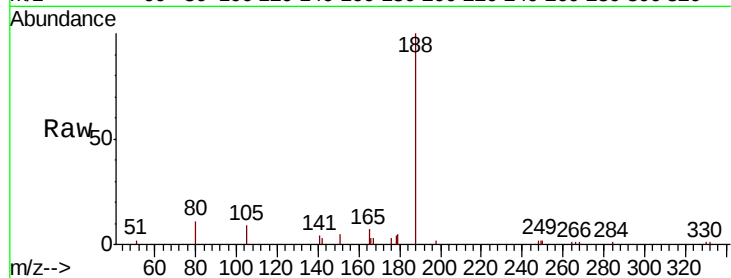
ClientSampleId :

EXT-008-SW112-061719

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 188   | Resp: | 7035 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 10.7  | 7.6   | 11.4 |

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#23

Phenanthrene

Concen: 2.086 ng

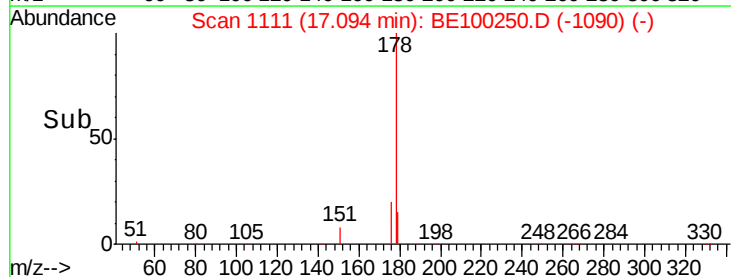
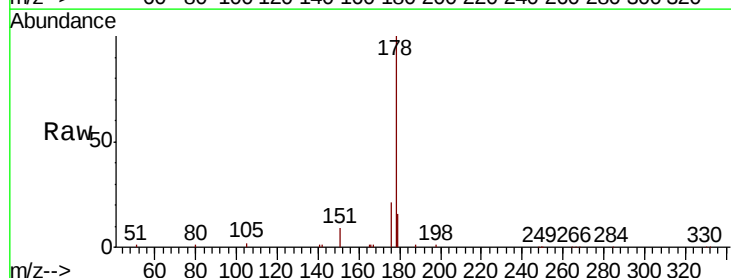
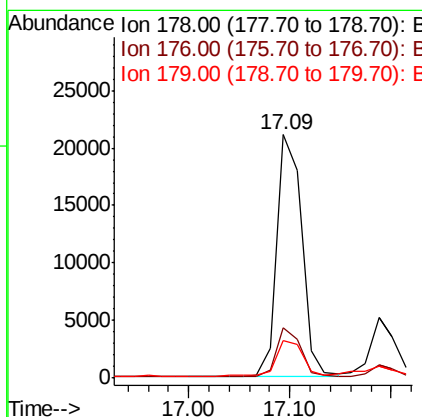
RT: 17.09 min Scan# 1111

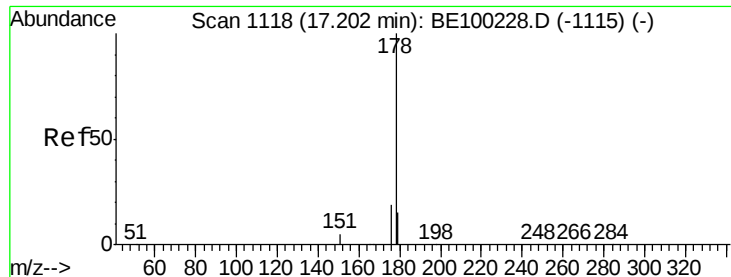
Delta R.T. -0.01 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 35576 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.5  | 15.9  | 23.9  |
| 179       | 15.7  | 12.2  | 18.2  |





#24

Anthracene

Concen: 0.507 ng

RT: 17.19 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

Instrument :

BNA\_E

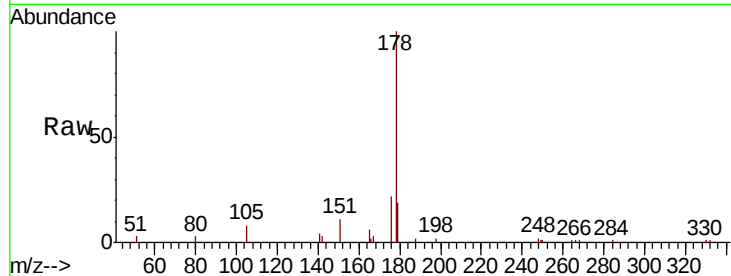
ClientSampleId :

EXT-008-SW112-061719

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 7788  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.3  | 15.3  | 22.9  |
| 179       | 19.5  | 12.2  | 18.2# |

Manual Integrations  
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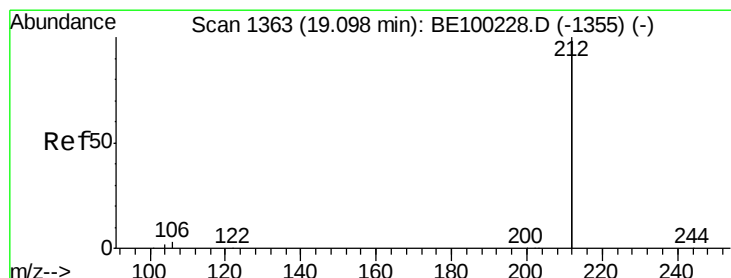
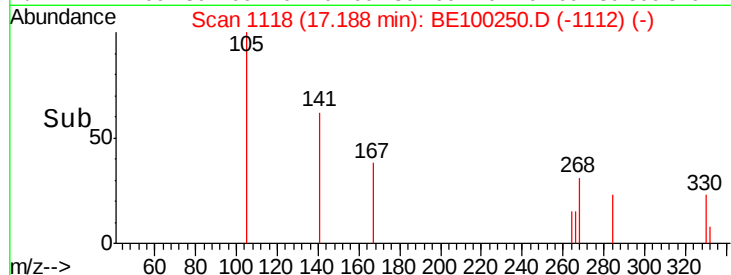
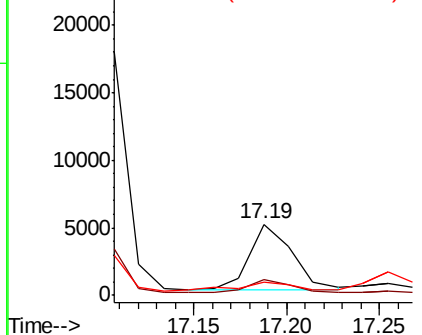


Abundance

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



#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.10 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

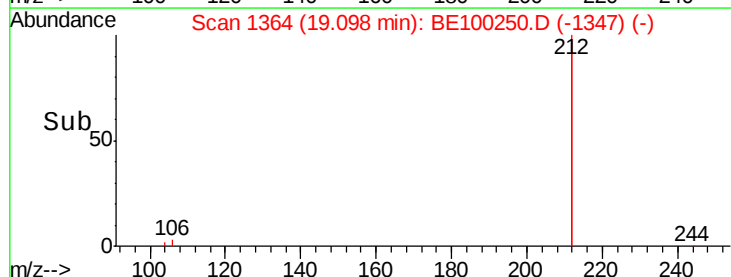
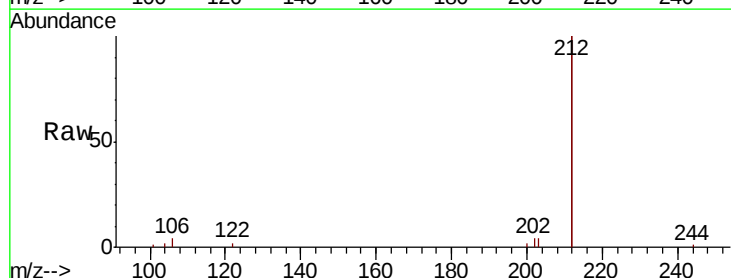
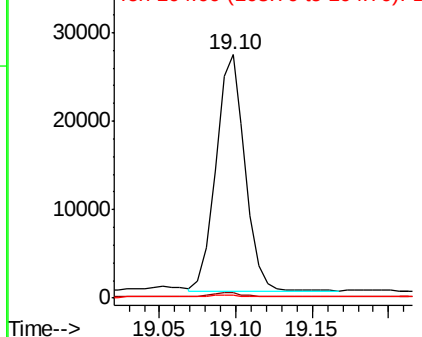
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 35173 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 1.7   | 1.3   | 1.9   |
| 104       | 1.0   | 0.8   | 1.2   |

Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





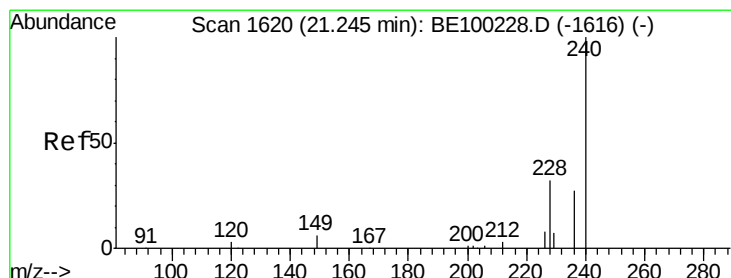
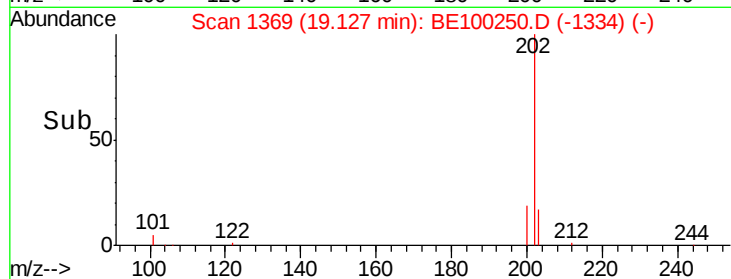
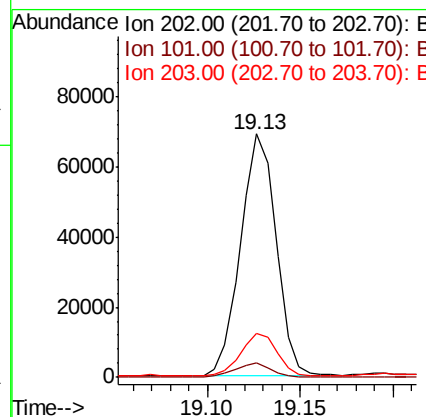
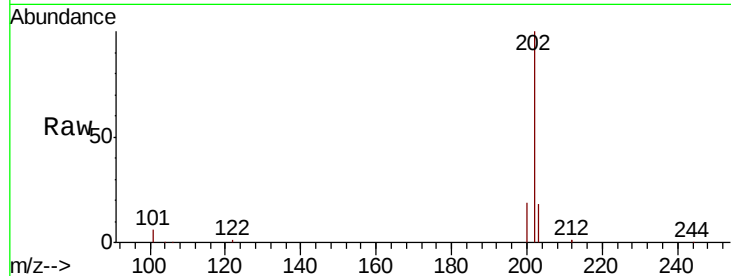
#26  
 Fluoranthene  
 Concen: 3.410 ng  
 RT: 19.13 min Scan# 1369  
 Delta R.T. 0.00 min  
 Lab File: BE100250.D  
 Acq: 29 Jun 2019 00:26

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 5.6   | 4.6   | 7.0   |
| 203     | 17.8  | 13.7  | 20.5  |

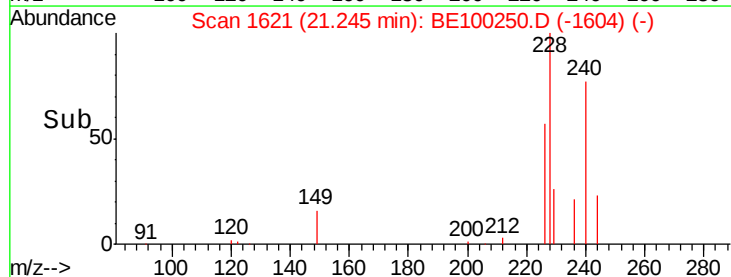
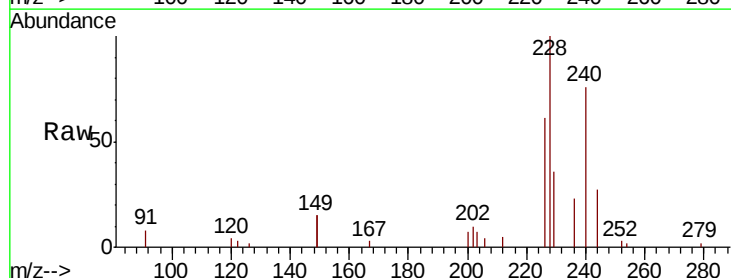
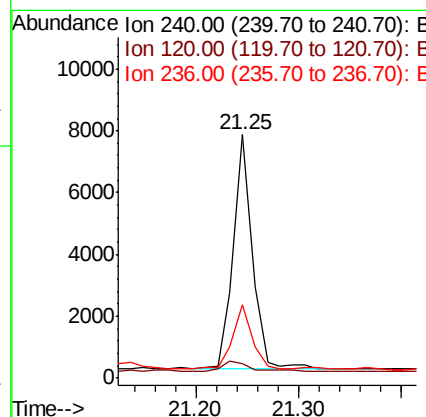
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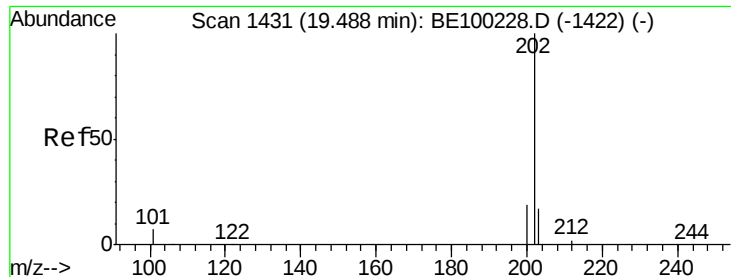
mohammad  
 7/1/2019 3:07:27 PM



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.25 min Scan# 1621  
 Delta R.T. 0.00 min  
 Lab File: BE100250.D  
 Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.7   | 3.3   | 4.9#  |
| 236     | 29.9  | 22.6  | 34.0  |





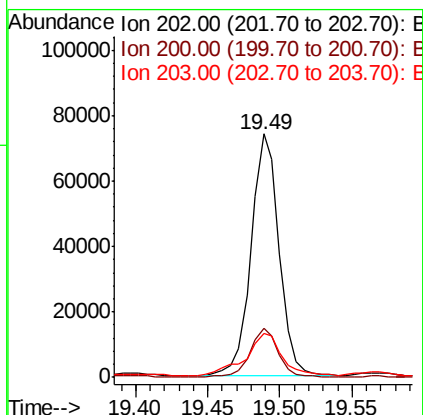
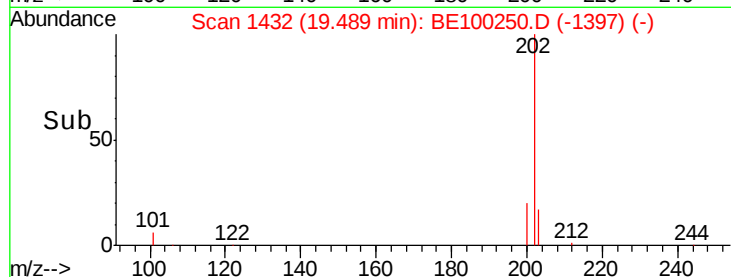
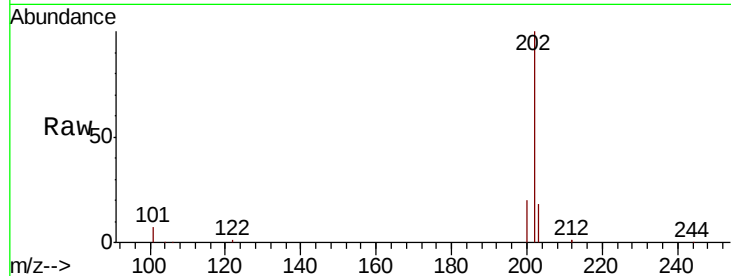
#28  
Pvrene  
Concen: 3.899 ng  
RT: 19.49 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 19.7  | 15.6       | 23.4  |
| 203     | 22.3  | 14.0       | 21.0# |

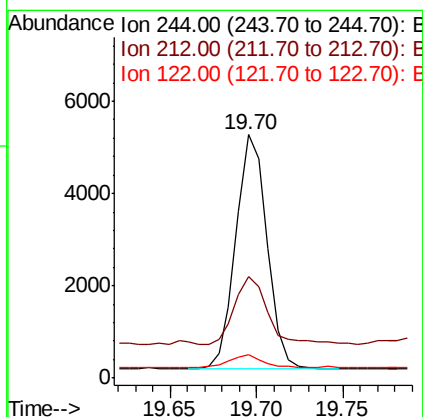
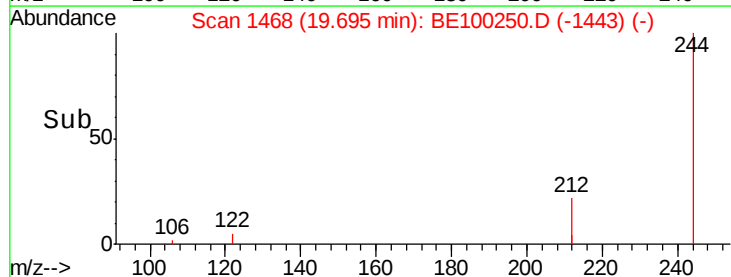
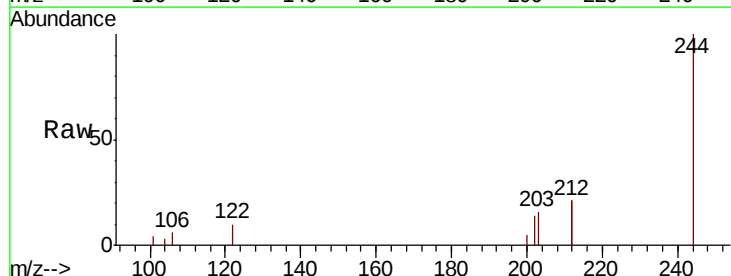
Manual Integrations  
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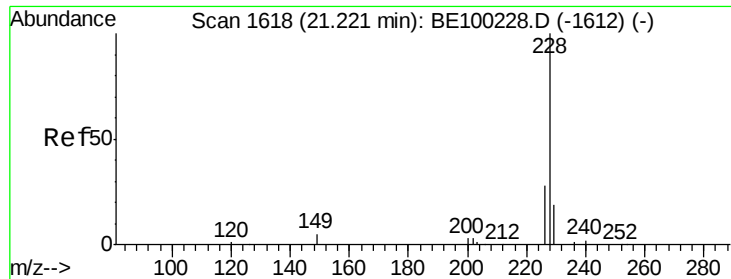
mohammad  
7/1/2019 3:07:27 PM



#29  
Terphenyl-d14  
Concen: 0.316 ng  
RT: 19.70 min Scan# 1468  
Delta R.T. -0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 41.9  | 27.3       | 40.9# |
| 122     | 9.5   | 4.7        | 7.1#  |





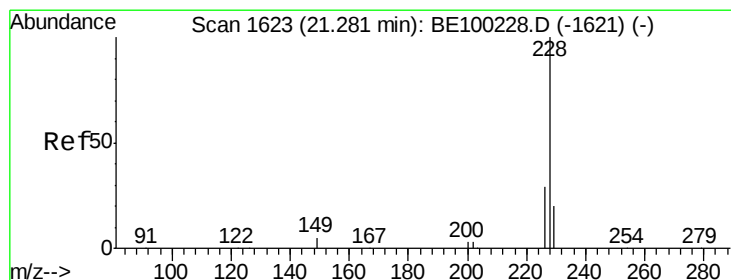
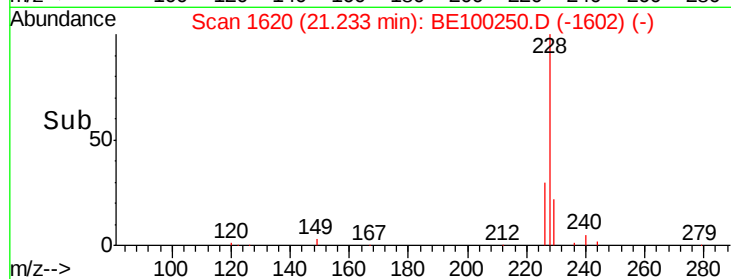
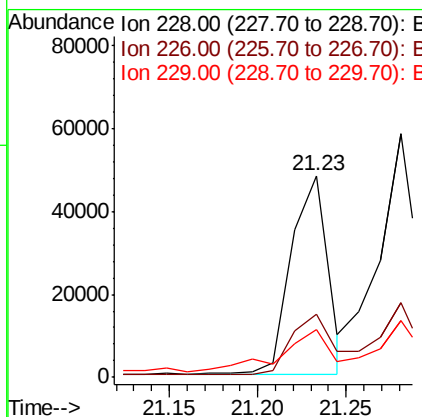
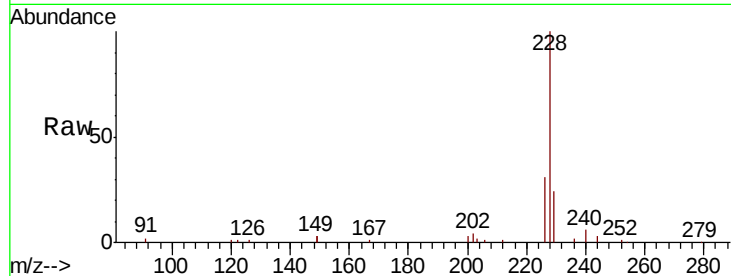
#30  
Benzo(a)anthracene  
Concen: 2.181 ng m  
RT: 21.23 min Scan# 1620  
Delta R.T. 0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 23.2  | 34.8  |
| 229     | 24.0  | 15.7  | 23.5  |

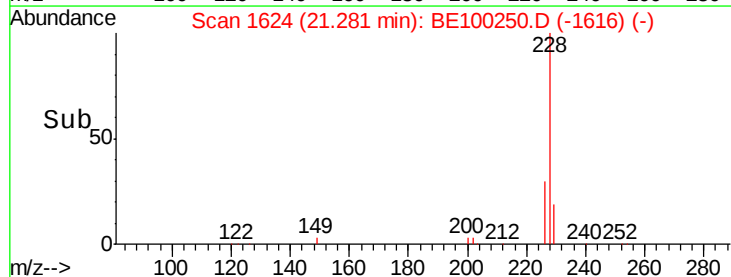
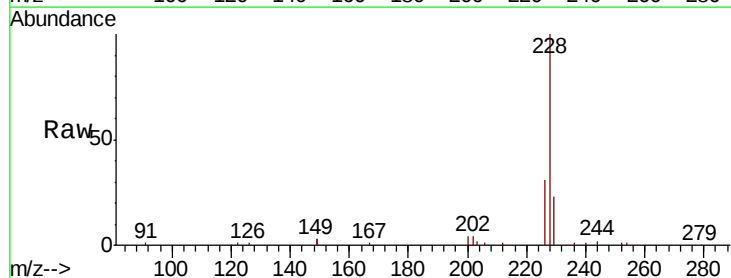
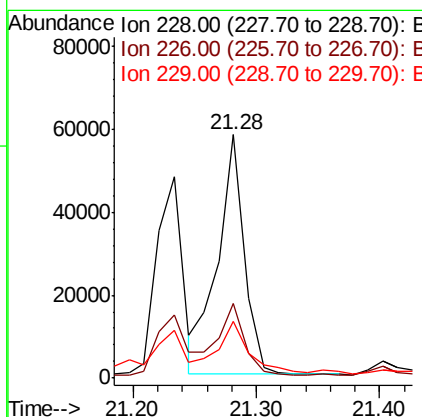
Manual Integrations  
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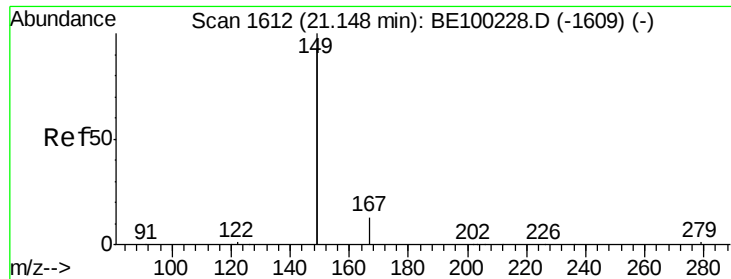
mohammad  
7/1/2019 3:07:27 PM



#31  
Chrysene  
Concen: 2.724 ng  
RT: 21.28 min Scan# 1624  
Delta R.T. 0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 23.9  | 35.9  |
| 229     | 23.2  | 16.5  | 24.7  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.487 ng

RT: 21.15 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

Instrument :

BNA\_E

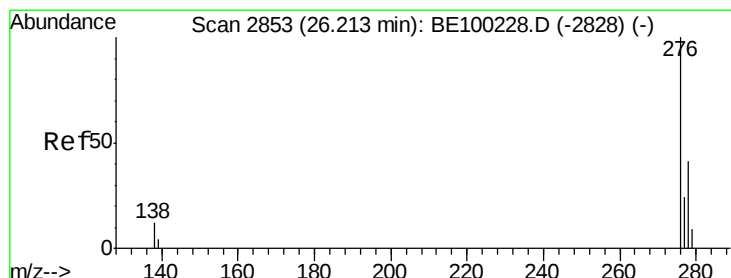
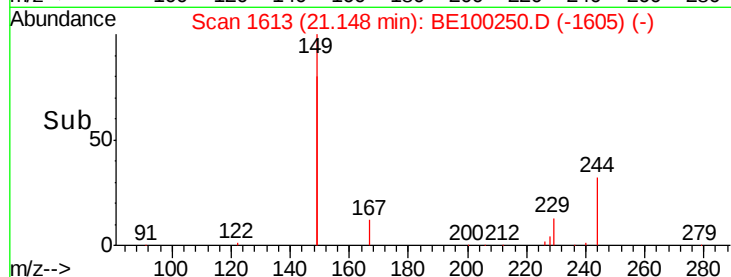
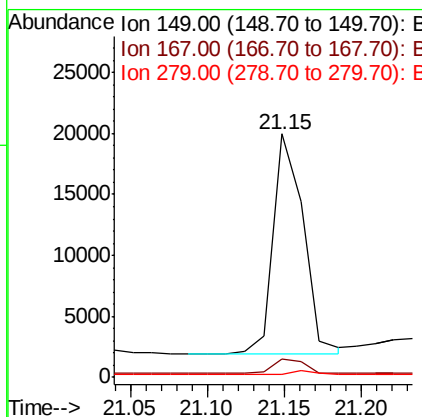
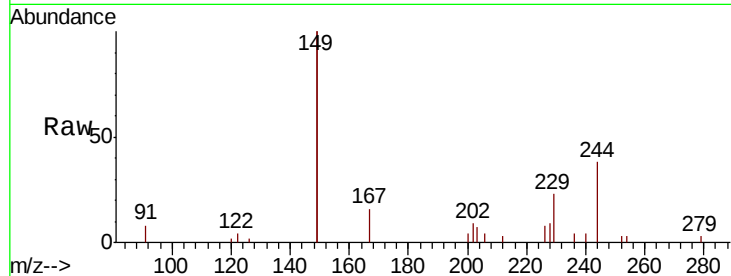
ClientSampleId :

EXT-008-SW112-061719

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 24747 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.4   | 5.8   | 8.8   |
| 279       | 1.6   | 1.1   | 1.7   |

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.346 ng

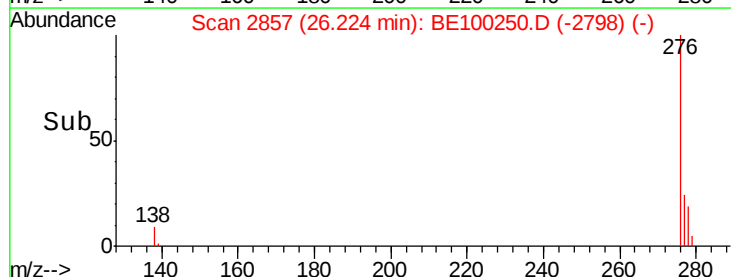
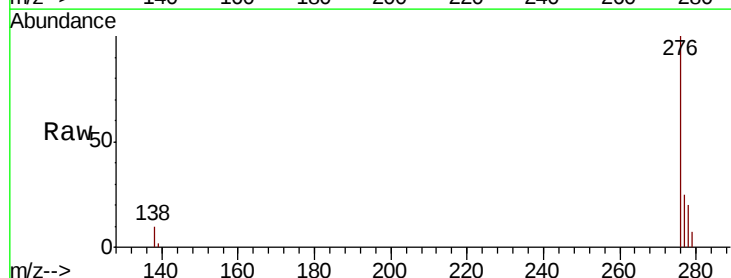
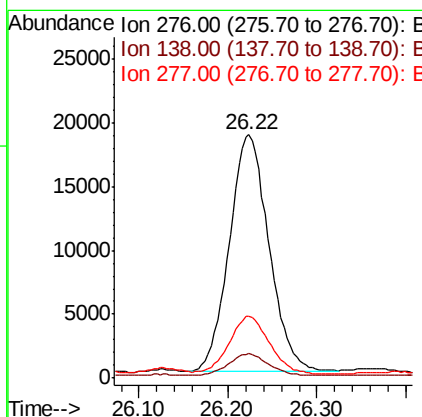
RT: 26.22 min Scan# 2857

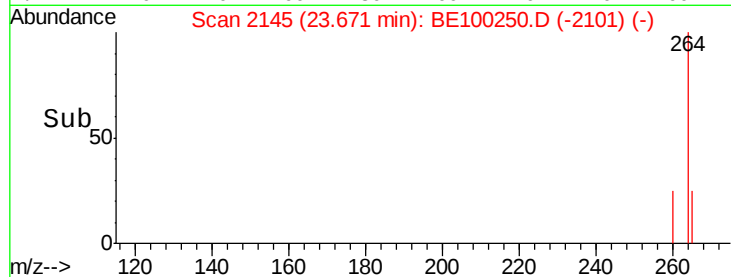
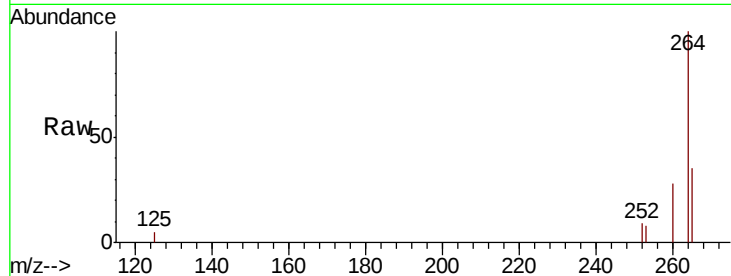
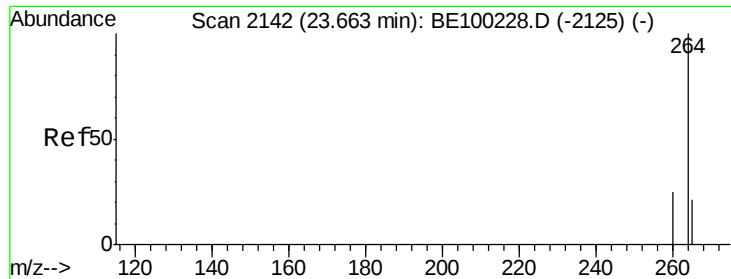
Delta R.T. 0.01 min

Lab File: BE100250.D

Acq: 29 Jun 2019 00:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 57429 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 9.4   | 9.4   | 14.0# |
| 277       | 24.7  | 19.2  | 28.8  |





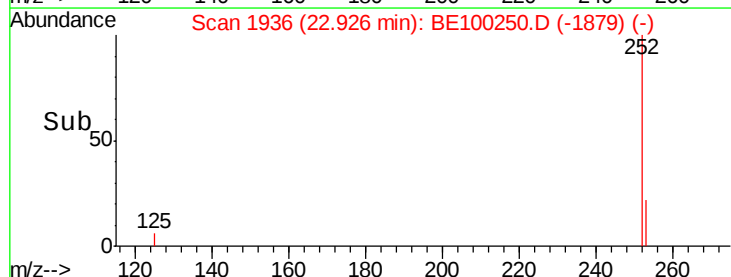
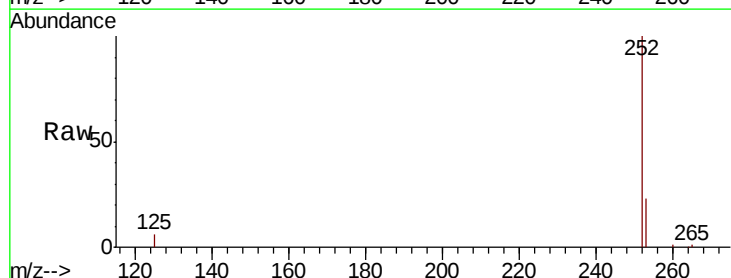
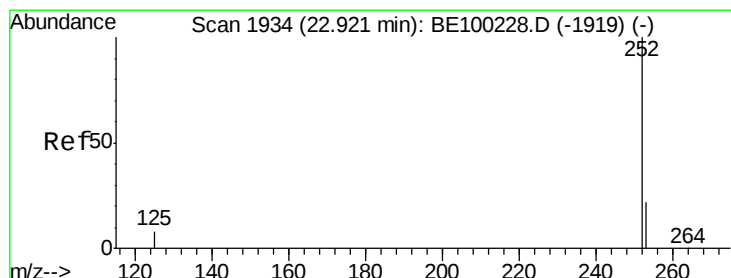
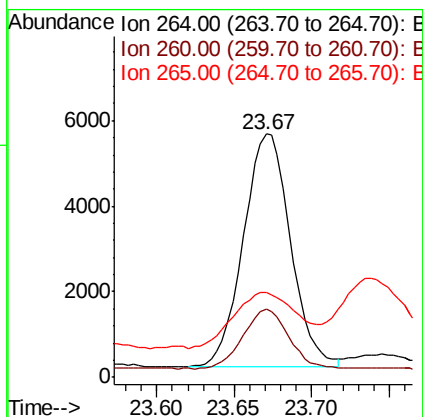
#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.67 min Scan# 2145  
 Delta R.T. 0.01 min  
 Lab File: BE100250.D  
 Acq: 29 Jun 2019 00:26

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 28.2  | 20.8  | 31.2  |
| 265     | 34.7  | 21.8  | 32.6  |

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-008-SW112-061719

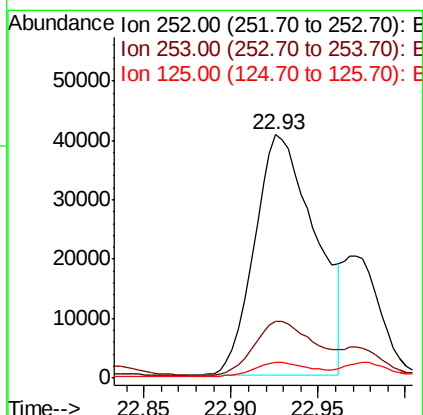
Manual Integrations  
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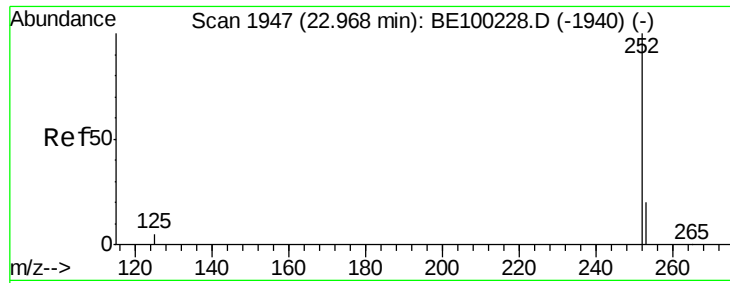
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#35  
 Benzo(b)fluoranthene  
 Concen: 3.142 ng  
 RT: 22.93 min Scan# 1936  
 Delta R.T. 0.00 min  
 Lab File: BE100250.D  
 Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 19.2  | 28.8  |
| 125     | 6.2   | 7.4   | 11.0  |





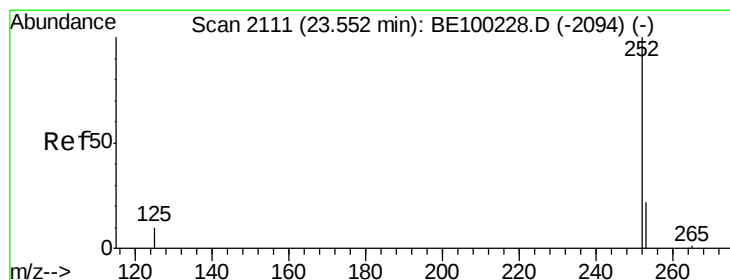
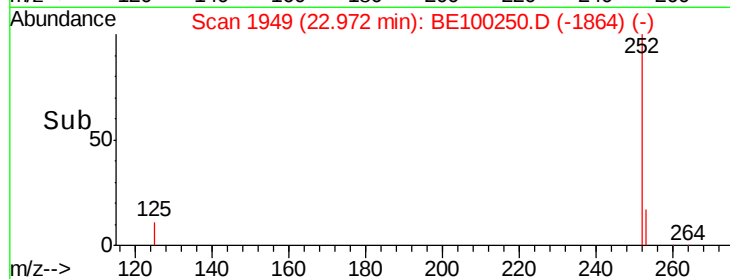
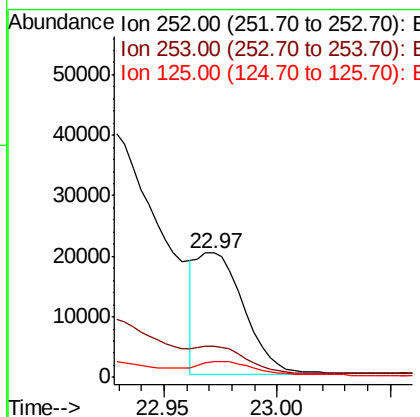
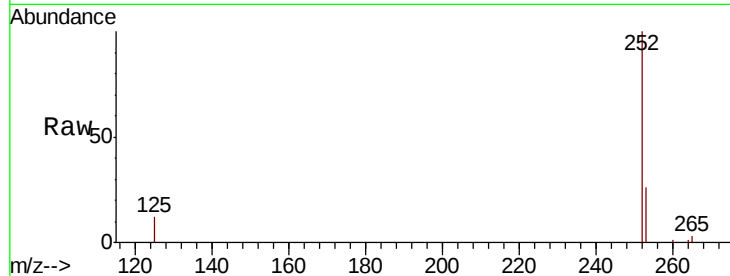
#36  
Benzo(k)fluoranthene  
Concen: 0.859 ng m  
RT: 22.97 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.5  | 17.9  | 26.9  |
| 125     | 12.4  | 5.0   | 7.4   |

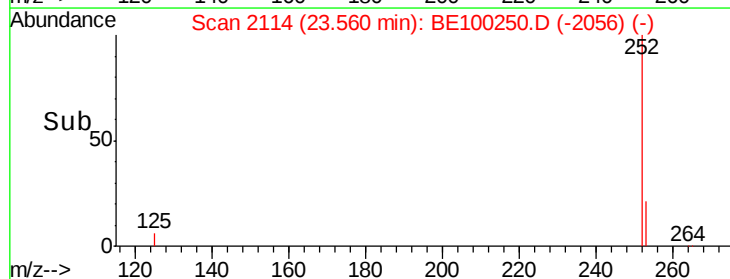
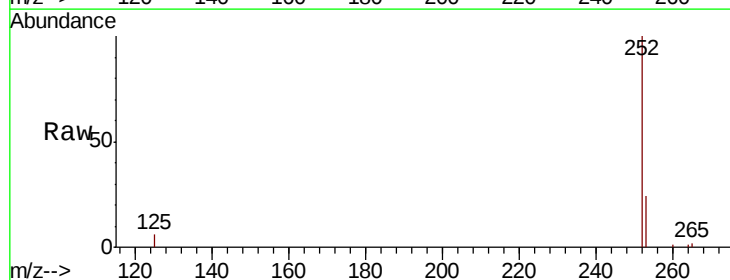
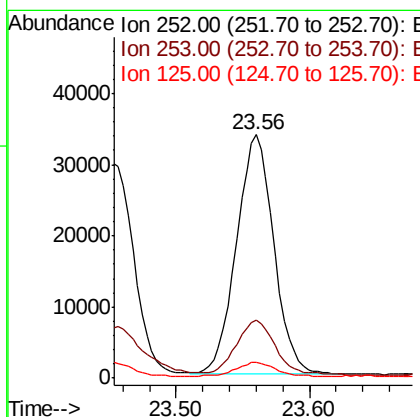
Manual Integrations  
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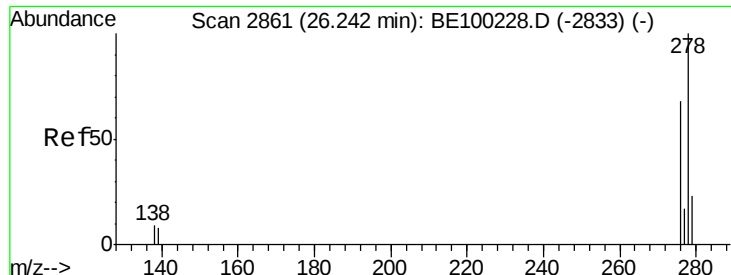
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#37  
Benzo(a)pyrene  
Concen: 2.116 ng m  
RT: 23.56 min Scan# 2114  
Delta R.T. 0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 19.6  | 29.4  |
| 125     | 6.4   | 9.0   | 13.6  |





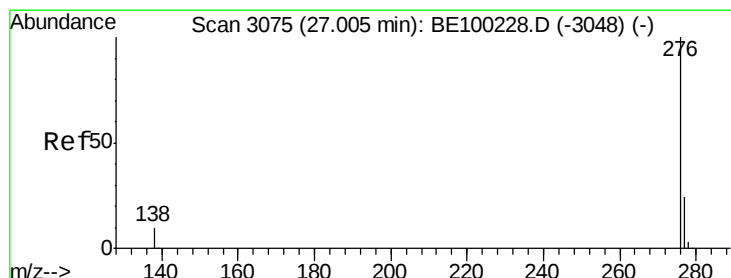
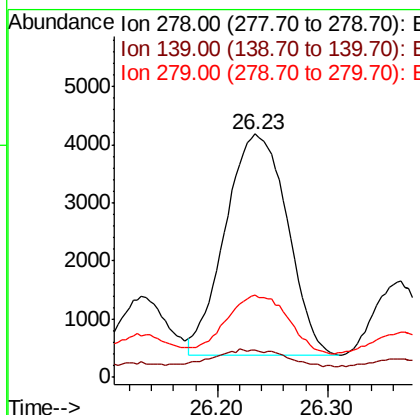
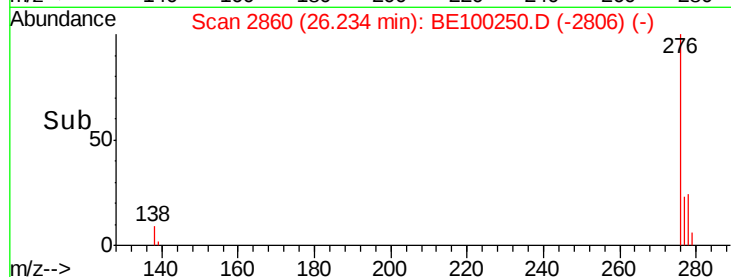
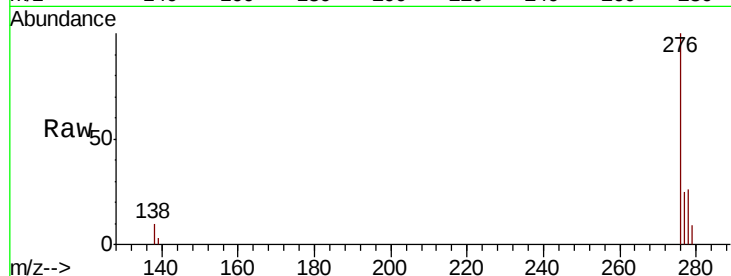
#38  
Dibenzo(a,h)anthracene  
Concen: 0.459 ng  
RT: 26.23 min Scan# 2860  
Delta R.T. -0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW112-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.1  | 8.2   | 12.2  |
| 279     | 33.6  | 20.3  | 30.5# |

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#39  
Benzo(g,h,i)perylene  
Concen: 1.870 ng  
RT: 27.02 min Scan# 3079  
Delta R.T. 0.01 min  
Lab File: BE100250.D  
Acq: 29 Jun 2019 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.9  | 20.2  | 30.2  |
| 138     | 9.8   | 9.0   | 13.6  |

