

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\  
 Data File : BE100382.D  
 Acq On : 5 Jul 2019 15:32  
 Operator : JU/SJ  
 Sample : K3558-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-032-SW174-062519

Manual Integrations  
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 7/8/2019 2:13:43 PM

Quant Time: Jul 06 00:37:12 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 674      | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.42 | 136  | 2313     | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.30 | 164  | 1735     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.04 | 188  | 5553     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.23 | 240  | 7372     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.65 | 264  | 8664     | 0.40 | ng    | -0.01    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.20  | 112 | 456   | 0.27 | ng | -0.01 |
| 5) Phenol-d6                | 6.81  | 99  | 625   | 0.28 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.80  | 82  | 448   | 0.19 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.02 | 152 | 1014  | 0.23 | ng | -0.03 |
| 14) 2,4,6-Tribromophenol    | 15.80 | 330 | 351   | 0.29 | ng | -0.03 |
| 15) 2-Fluorobiphenyl        | 12.92 | 172 | 1550  | 0.23 | ng | -0.03 |
| 25) Fluoranthene-d10        | 19.08 | 212 | 15546 | 0.19 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.68 | 244 | 3069  | 0.20 | ng | -0.02 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.47 | 128 | 1858   | 0.073 | ng | # 89   |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 309    | 0.069 | ng | # 90   |
| 16) Acenaphthylene             | 14.02 | 152 | 1339   | 0.161 | ng | 97     |
| 17) Acenaphthene               | 14.37 | 154 | 274    | 0.058 | ng | # 88   |
| 18) Fluorene                   | 15.34 | 166 | 637    | 0.091 | ng | # 91   |
| 23) Phenanthrene               | 17.08 | 178 | 25066  | 1.862 | ng | 100    |
| 24) Anthracene                 | 17.17 | 178 | 1979   | 0.163 | ng | # 91   |
| 26) Fluoranthene               | 19.11 | 202 | 44722  | 2.086 | ng | 99     |
| 28) Pyrene                     | 19.47 | 202 | 65632  | 3.363 | ng | 96     |
| 30) Benzo(a)anthracene         | 21.21 | 228 | 29607  | 1.221 | ng | 95     |
| 31) Chrysene                   | 21.27 | 228 | 39797  | 1.635 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 51048  | 1.432 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.20 | 276 | 17971  | 0.558 | ng | # 97   |
| 35) Benzo(b)fluoranthene       | 22.91 | 252 | 33699  | 1.435 | ng | # 98   |
| 36) Benzo(k)fluoranthene       | 22.95 | 252 | 12519m | 0.477 | ng |        |
| 37) Benzo(a)pyrene             | 23.54 | 252 | 25944  | 1.102 | ng | # 97   |
| 38) Dibenzo(a,h)anthracene     | 26.20 | 278 | 4790   | 0.195 | ng | # 77   |
| 39) Benzo(a,h,i)perylene       | 26.98 | 276 | 22017  | 0.872 | ng | 99     |

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

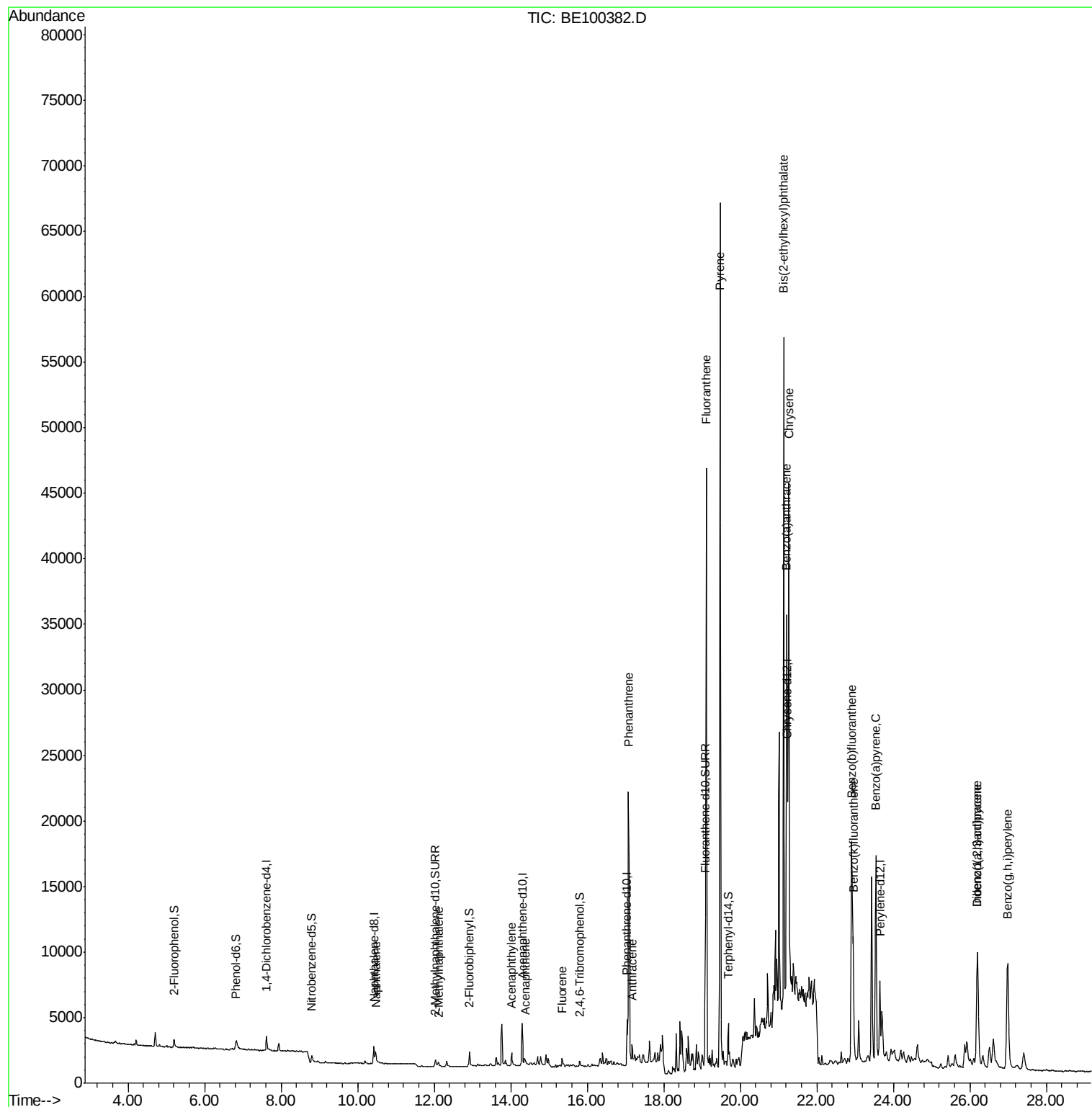
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\  
Data File : BE100382.D  
Acq On : 5 Jul 2019 15:32  
Operator : JU/SJ  
Sample : K3558-11  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

Manual Integrations  
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Quant Time: Jul 06 00:37:12 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 14:06:53 2019  
Response via : Initial Calibration





#1

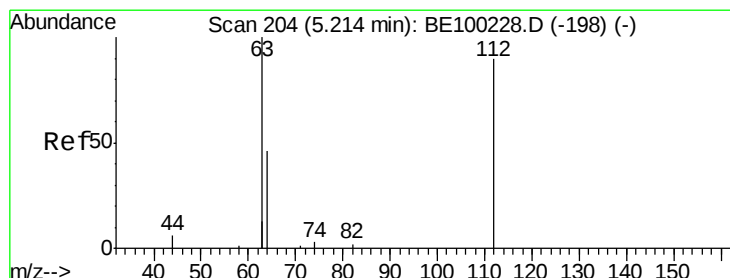
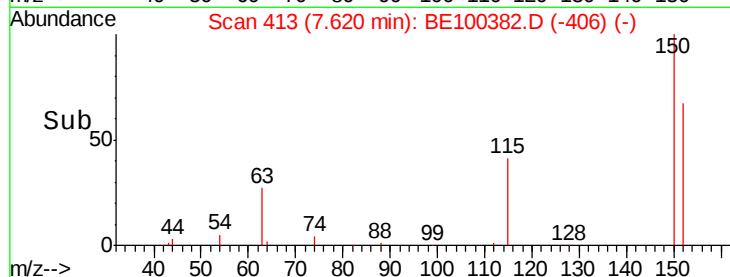
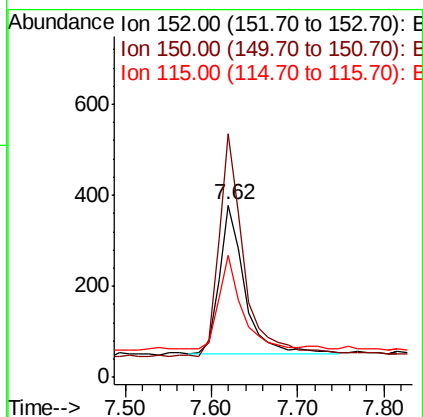
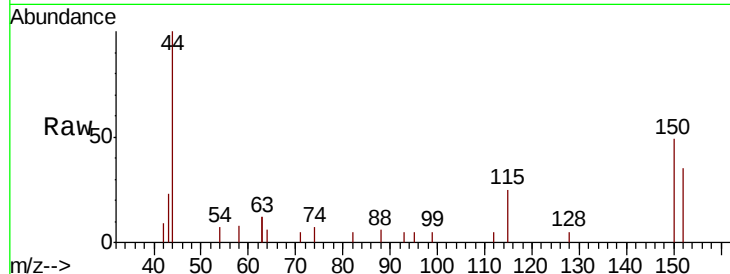
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.62 min Scan# 413  
Delta R.T. -0.02 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 141.5 | 114.5 | 171.7 |
| 115     | 70.6  | 57.1  | 85.7  |

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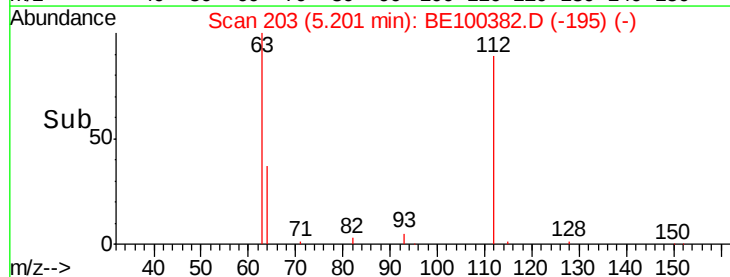
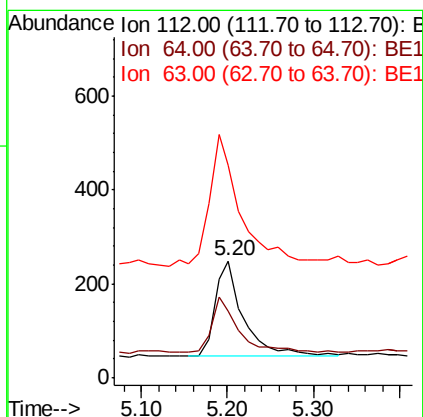
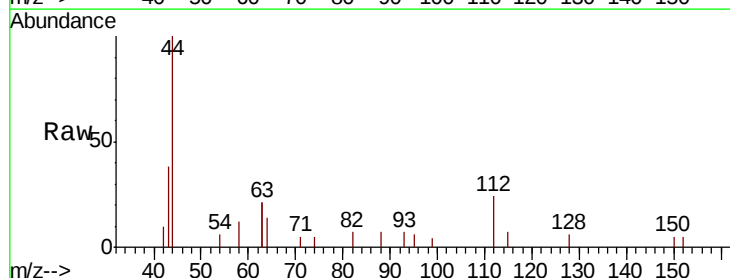
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#4

2-Fluorophenol  
Concen: 0.265 ng  
RT: 5.20 min Scan# 203  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.6  | 39.4  | 59.0  |
| 63      | 157.7 | 104.5 | 156.7 |





#5

Phenol-d6

Concen: 0.276 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

Instrument :

BNA\_E

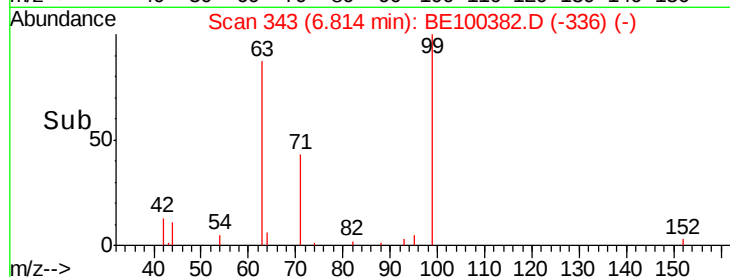
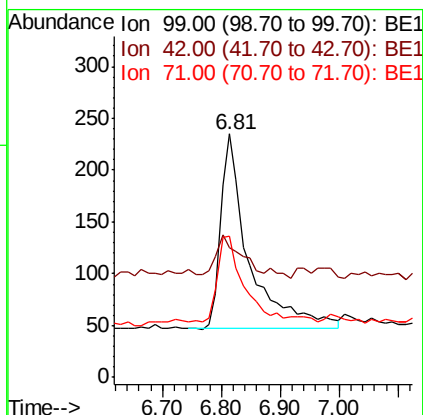
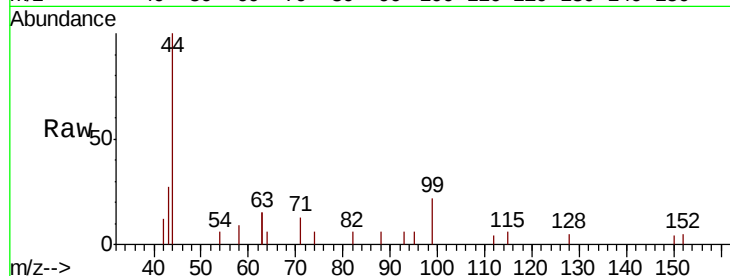
ClientSampleId :

EXT-032-SW174-062519

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 625   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 16.3  | 11.2  | 16.8  |
| 71       | 40.5  | 37.2  | 55.8  |

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#7

Naphthalene-d8

Concen: 0.400 ng

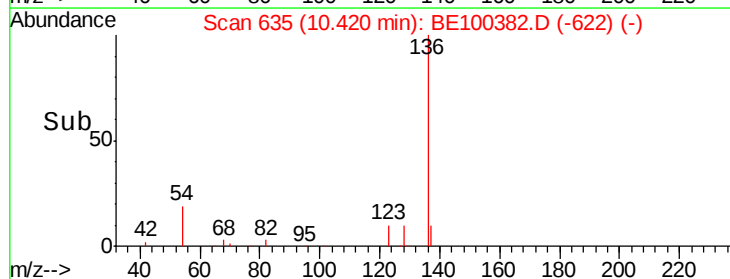
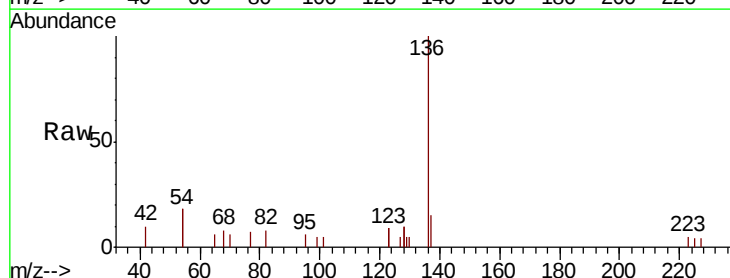
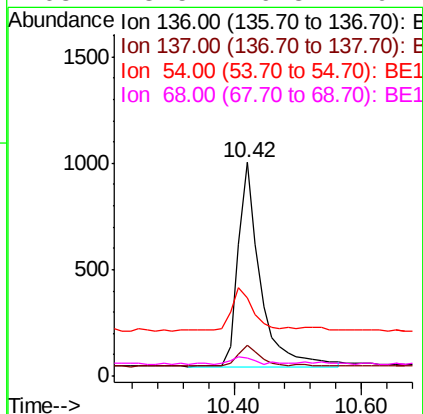
RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 2313  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 14.6  | 11.8  | 17.8  |
| 54       | 36.9  | 27.7  | 41.5  |
| 68       | 8.5   | 6.8   | 10.2  |





#8

Nitrobenzene-d5

Concen: 0.195 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

Instrument :

BNA\_E

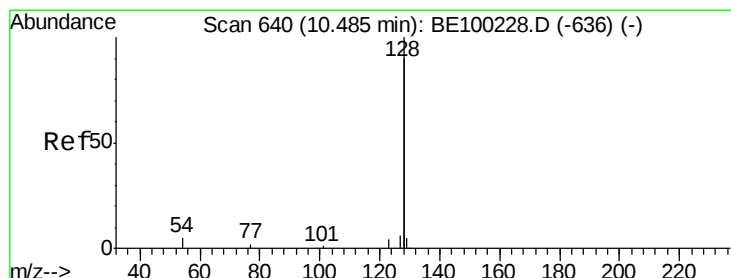
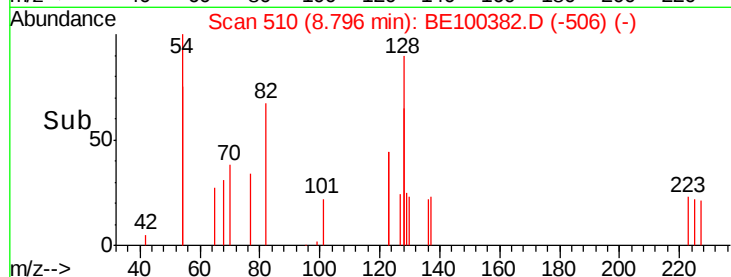
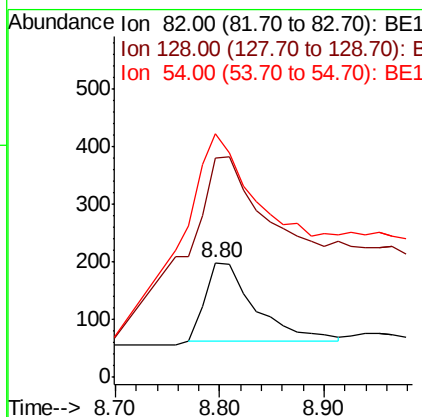
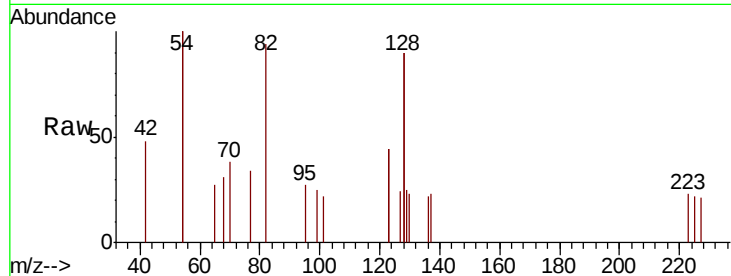
ClientSampleId :

EXT-032-SW174-062519

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 448   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 191.0 | 140.9 | 211.3 |
| 54       | 212.1 | 146.2 | 219.2 |

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#9

Naphthalene

Concen: 0.073 ng

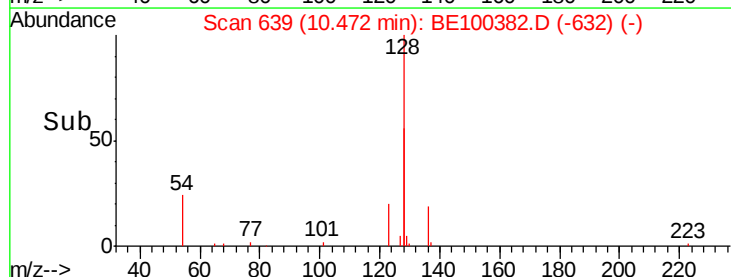
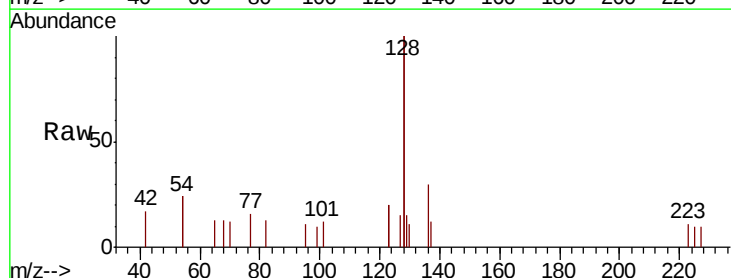
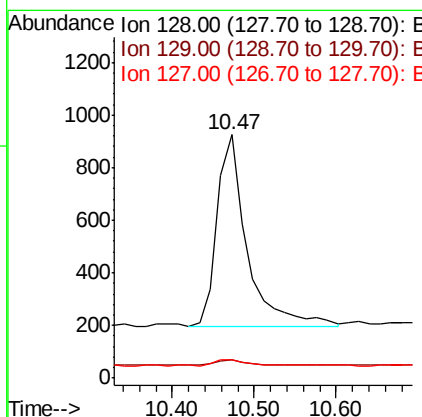
RT: 10.47 min Scan# 639

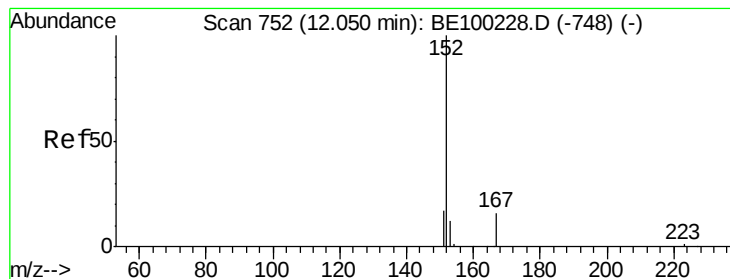
Delta R.T. -0.01 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1858  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 7.7   | 3.0   | 4.6#  |
| 127      | 7.7   | 3.5   | 5.3#  |





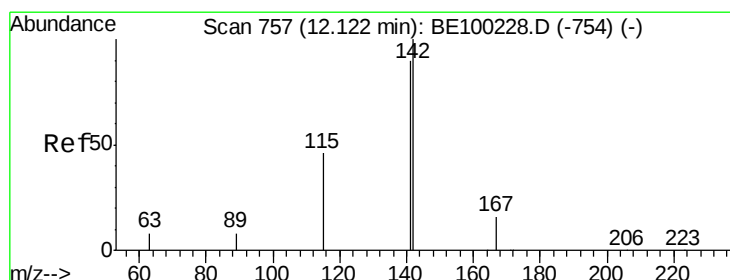
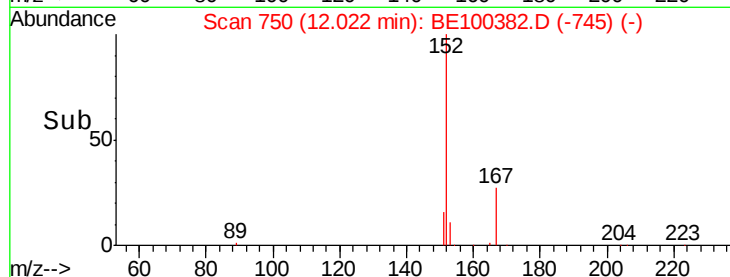
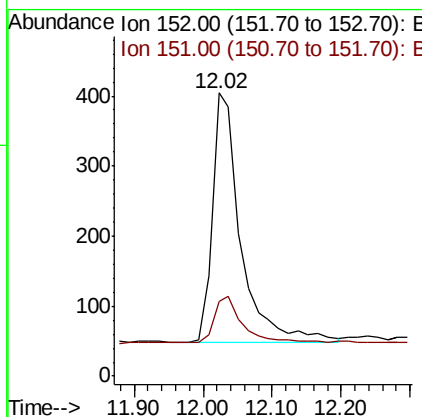
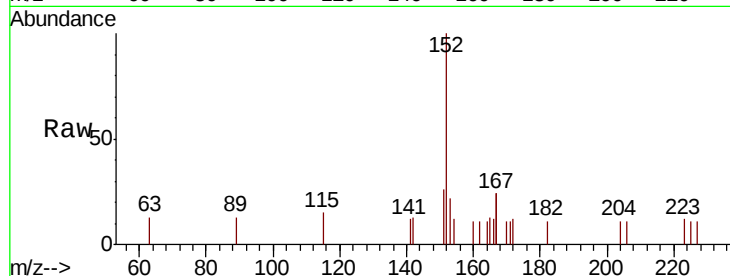
#11  
2-Methylnaphthalene-d10  
Concen: 0.233 ng  
RT: 12.02 min Scan# 750  
Delta R.T. -0.03 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.2  | 15.1  | 22.7  |

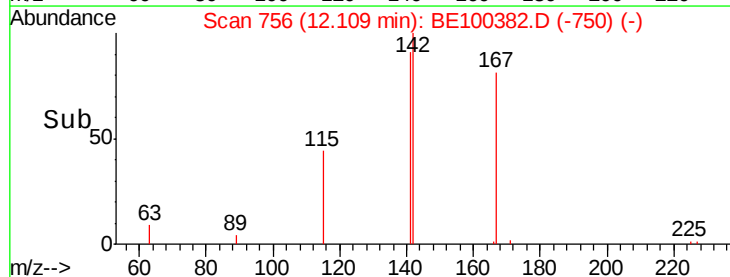
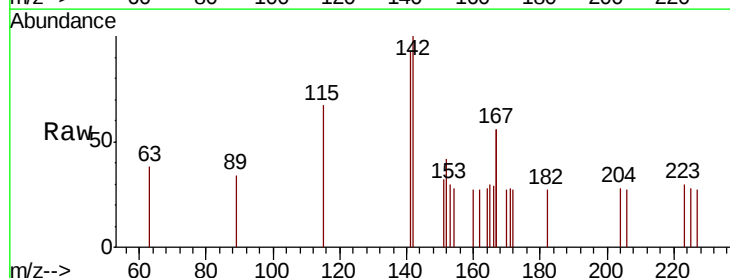
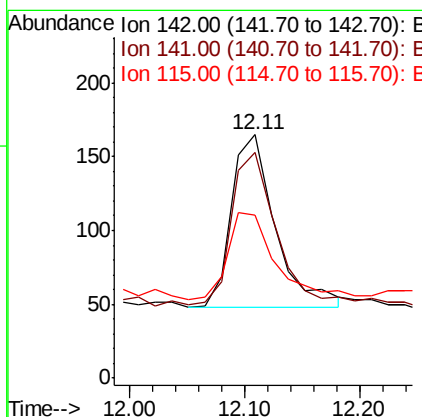
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#12  
2-Methylnaphthalene  
Concen: 0.069 ng  
RT: 12.11 min Scan# 756  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.7  | 72.4  | 108.6 |
| 115     | 66.7  | 40.4  | 60.6  |





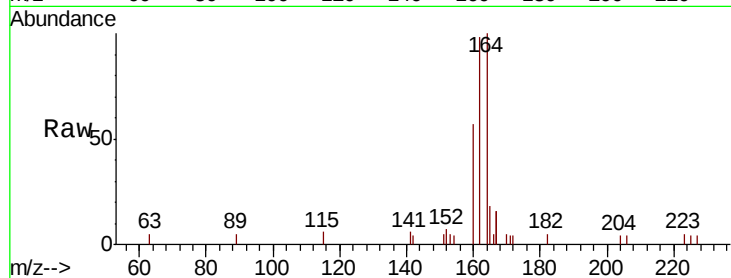
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 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.30 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BE100382.D  
 Acq: 5 Jul 2019 15:32

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.8  | 83.4  | 125.0 |
| 160     | 56.6  | 45.0  | 67.6  |

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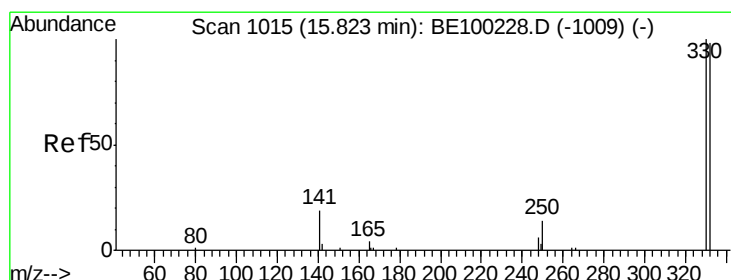
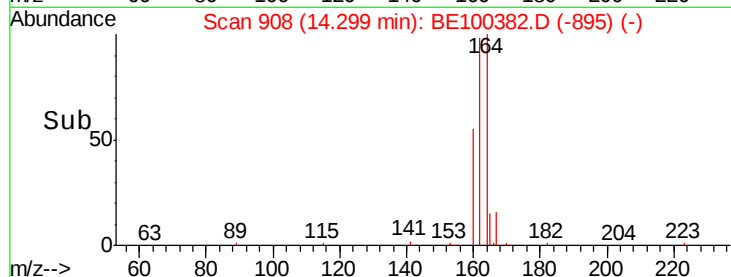
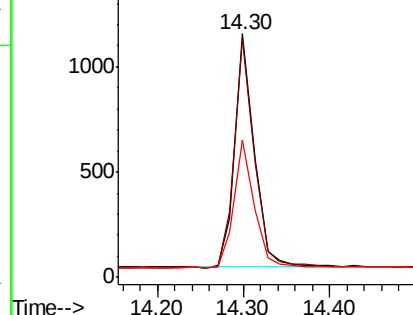


Abundance

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: 0.289 ng  
 RT: 15.80 min Scan# 1013  
 Delta R.T. -0.03 min  
 Lab File: BE100382.D  
 Acq: 5 Jul 2019 15:32

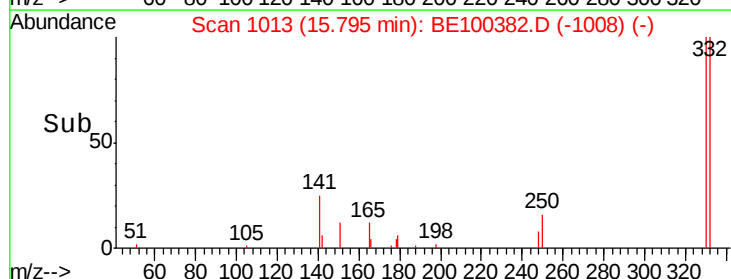
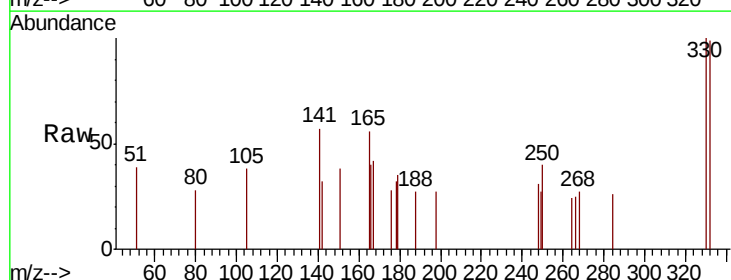
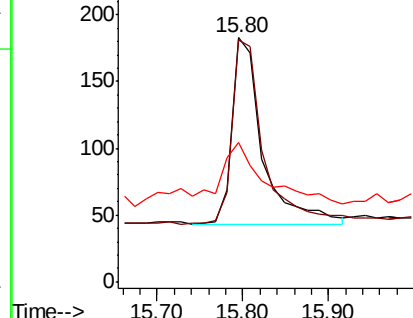
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 102.3 | 77.0  | 115.4 |
| 141     | 46.2  | 22.0  | 33.0# |

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





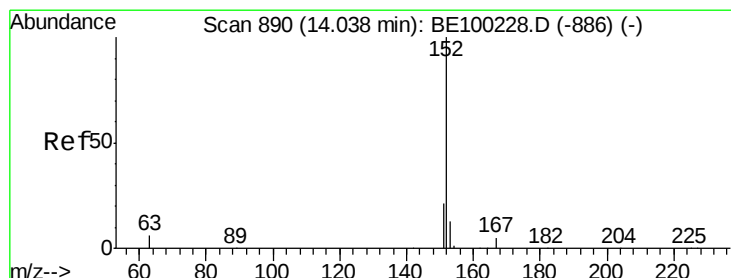
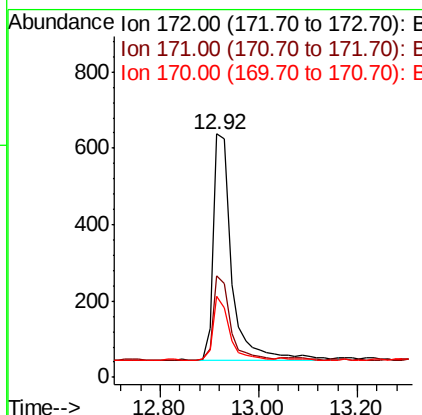
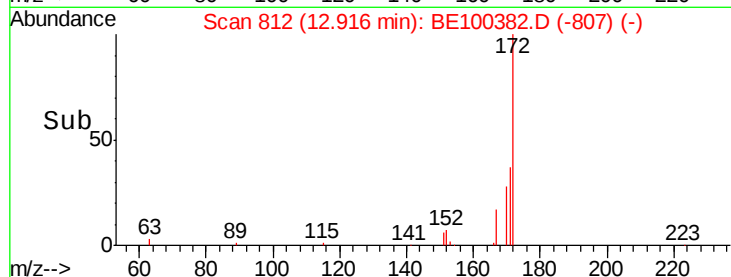
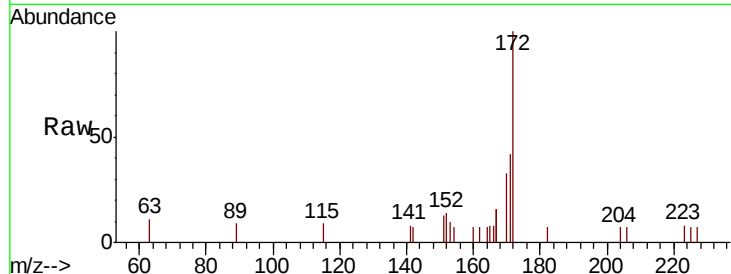
#15  
2-Fluorobiphenyl  
Concen: 0.229 ng  
RT: 12.92 min Scan# 812  
Delta R.T. -0.03 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 41.5  | 31.9  | 47.9  |
| 170     | 33.2  | 22.2  | 33.2  |

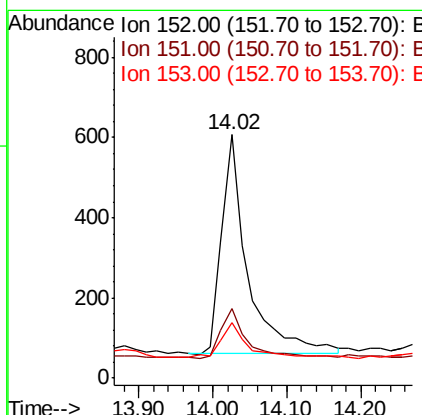
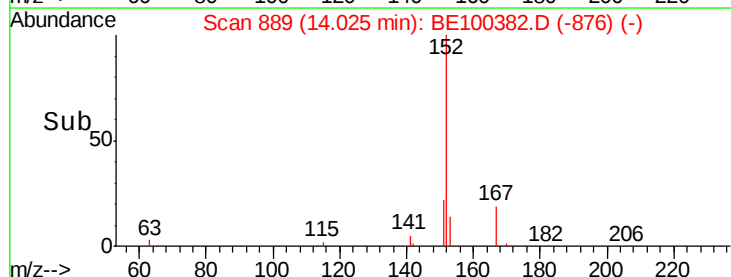
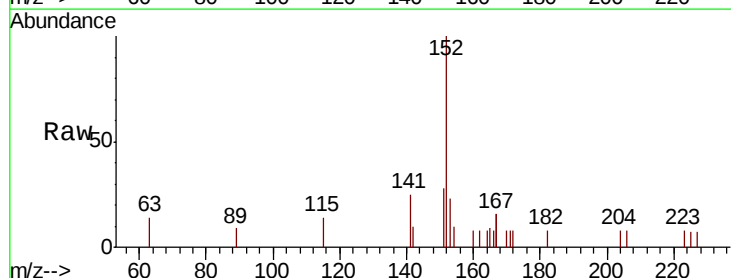
Manual Integrations  
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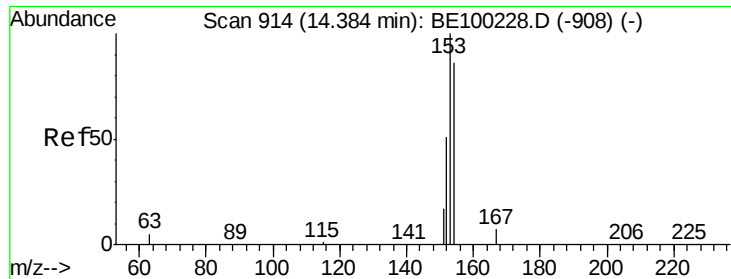
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#16  
Acenaphthylene  
Concen: 0.161 ng  
RT: 14.02 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.1  | 16.6  | 25.0  |
| 153     | 14.9  | 10.5  | 15.7  |





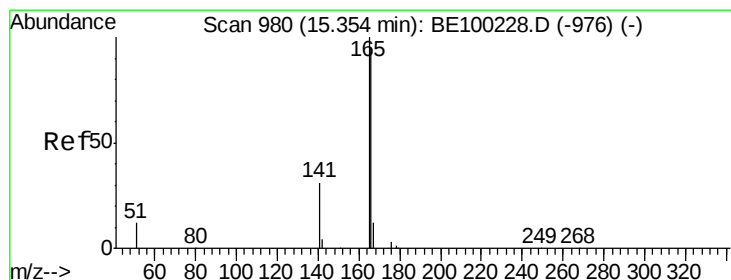
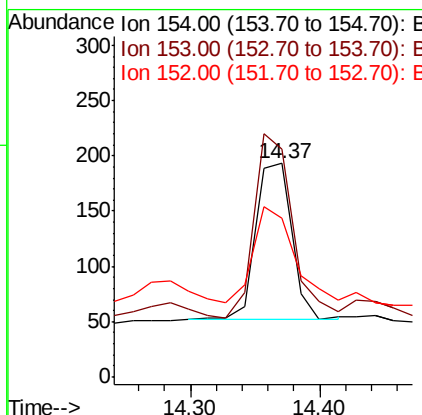
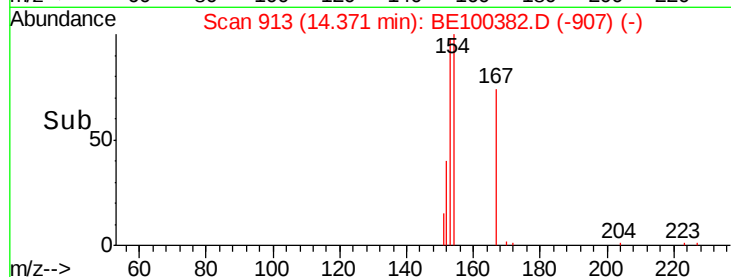
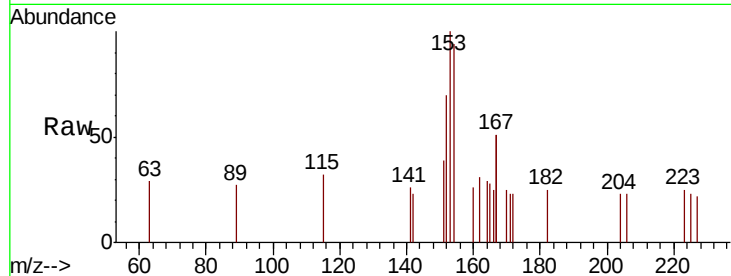
#17  
Acenaphthene  
Concen: 0.058 ng  
RT: 14.37 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 125.5 | 93.4  | 140.2 |
| 152     | 77.0  | 49.4  | 74.2# |

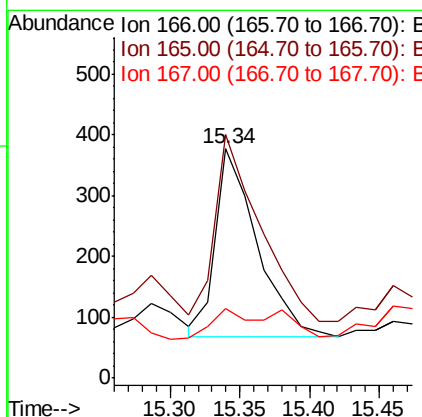
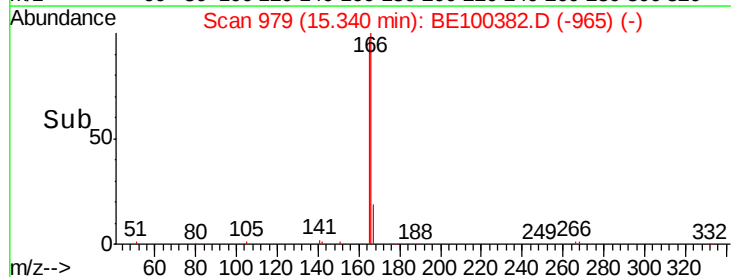
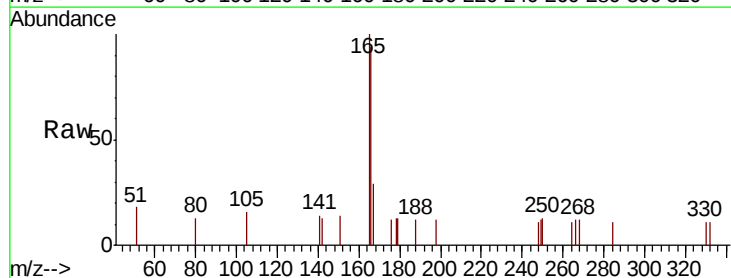
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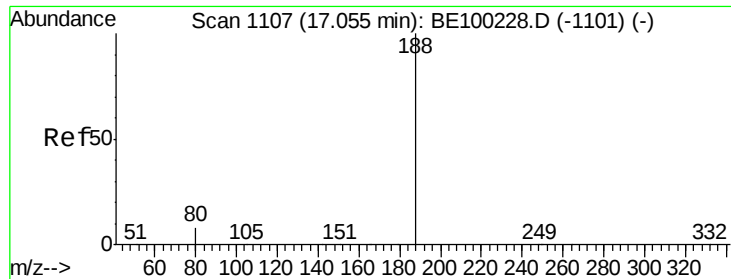
mohammad  
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#18  
Fluorene  
Concen: 0.091 ng  
RT: 15.34 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 107.4 | 81.1  | 121.7 |
| 167     | 26.8  | 10.7  | 16.1# |





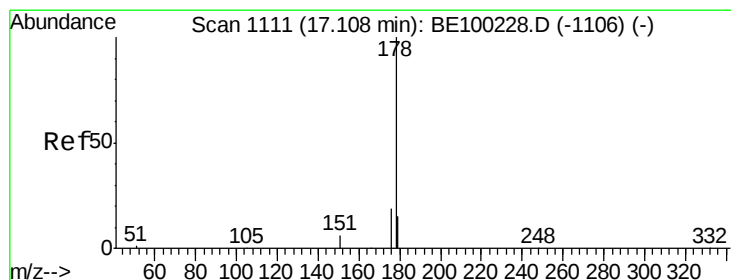
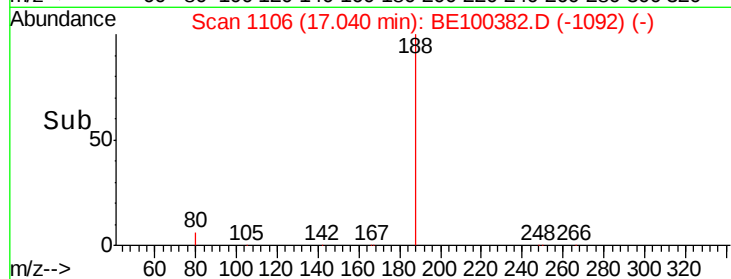
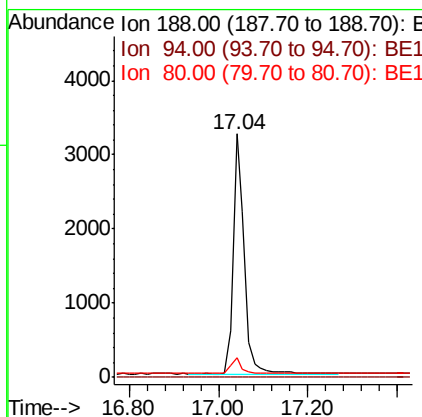
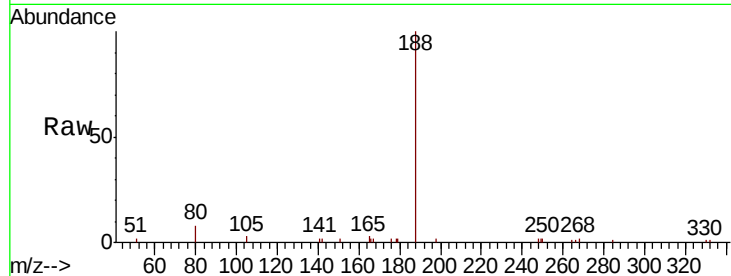
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.04 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 188   | Resp: | 5553 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 7.9   | 7.6   | 11.4 |

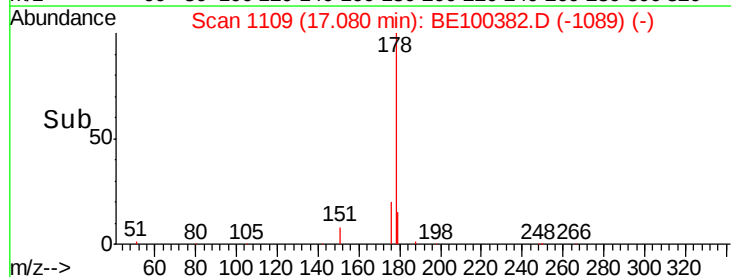
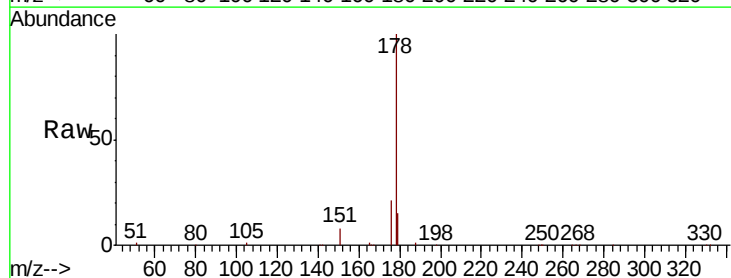
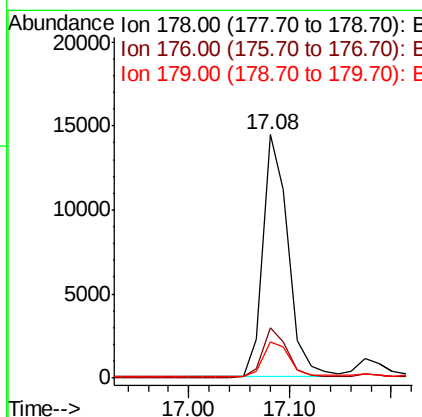
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#23  
Phenanthrene  
Concen: 1.862 ng  
RT: 17.08 min Scan# 1109  
Delta R.T. -0.03 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 25066 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.9  | 15.9  | 23.9  |
| 179       | 15.6  | 12.2  | 18.2  |





#24

Anthracene

Concen: 0.163 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

Instrument :

BNA\_E

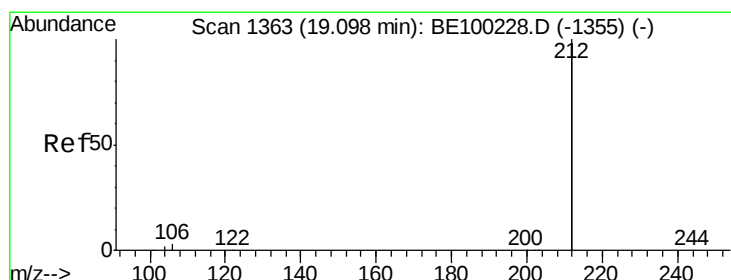
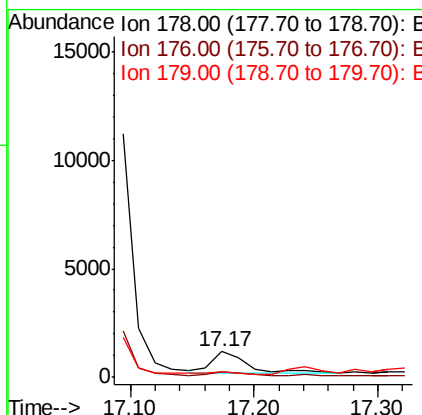
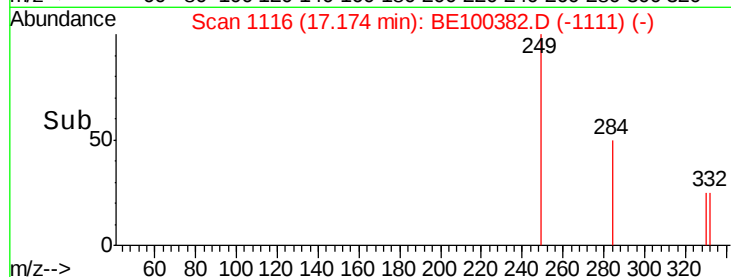
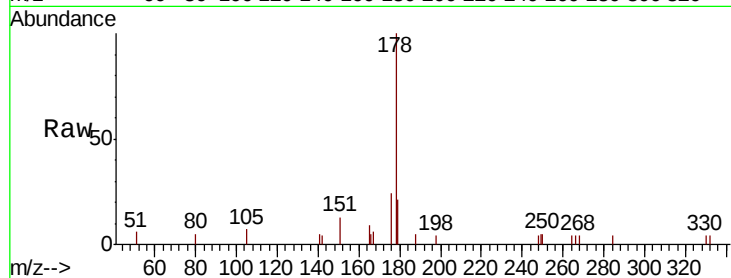
ClientSampleId :

EXT-032-SW174-062519

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 1979  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 13.7  | 15.3  | 22.9# |
| 179      | 12.6  | 12.2  | 18.2  |

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#25

Fluoranthene-d10

Concen: 0.193 ng

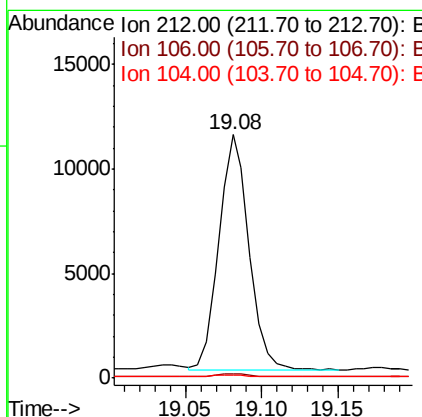
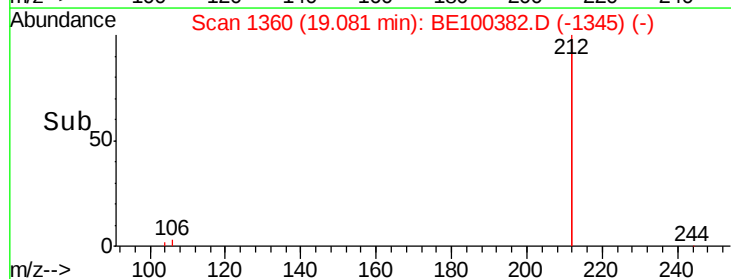
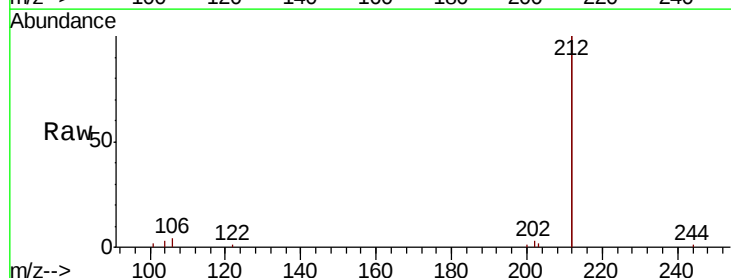
RT: 19.08 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 15546 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 1.6   | 1.3   | 1.9   |
| 104      | 1.0   | 0.8   | 1.2   |





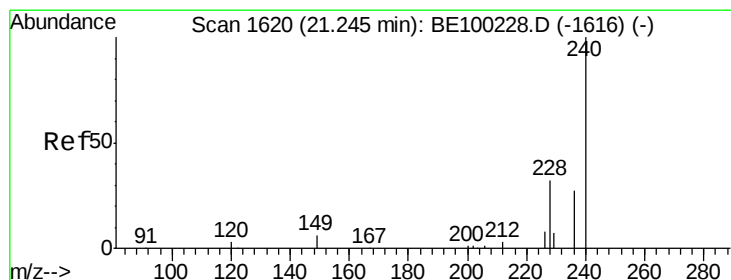
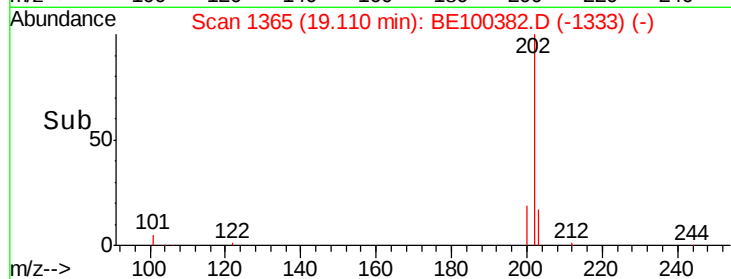
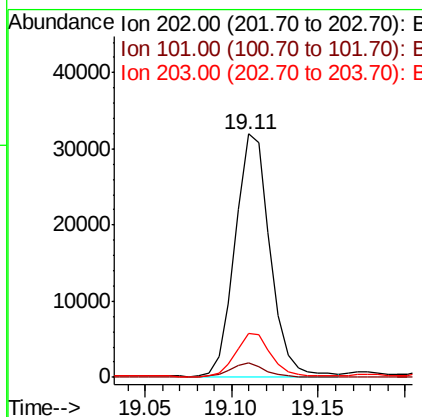
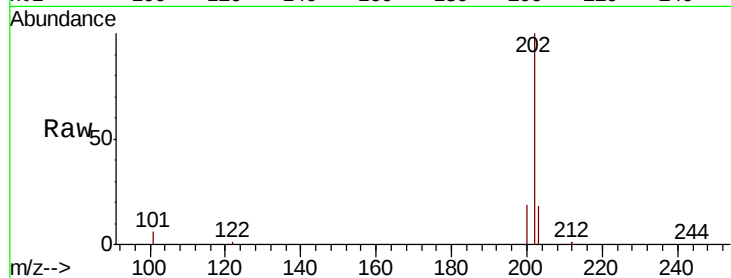
#26  
 Fluoranthene  
 Concen: 2.086 ng  
 RT: 19.11 min Scan# 1365  
 Delta R.T. -0.02 min  
 Lab File: BE100382.D  
 Acq: 5 Jul 2019 15:32

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 5.4   | 4.6   | 7.0   |
| 203     | 17.7  | 13.7  | 20.5  |

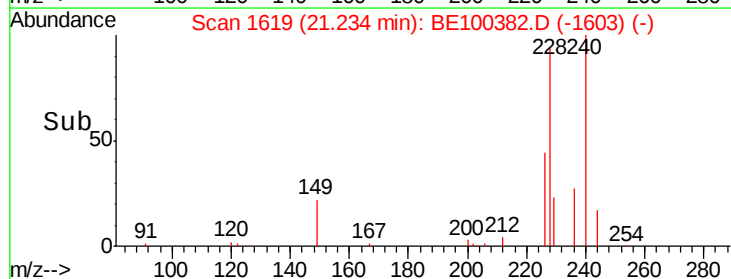
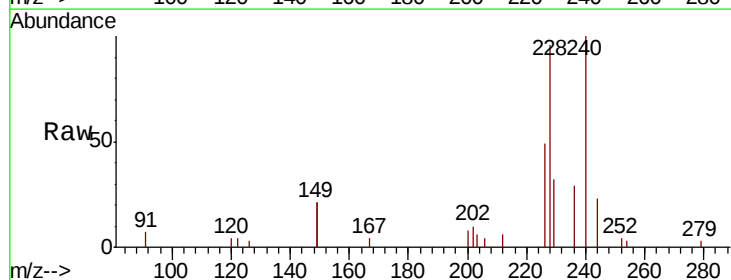
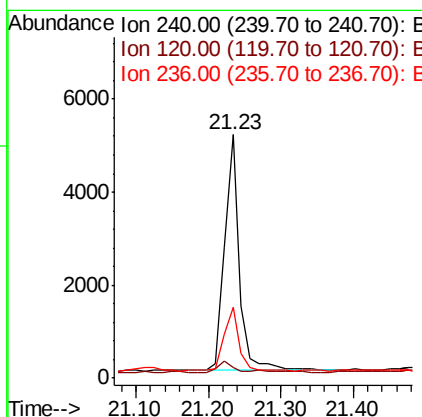
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#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.23 min Scan# 1619  
 Delta R.T. -0.01 min  
 Lab File: BE100382.D  
 Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.4   | 3.3   | 4.9   |
| 236     | 29.3  | 22.6  | 34.0  |





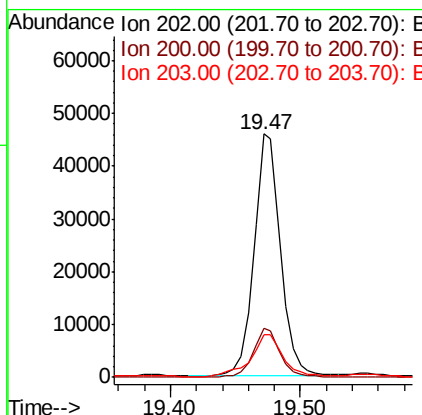
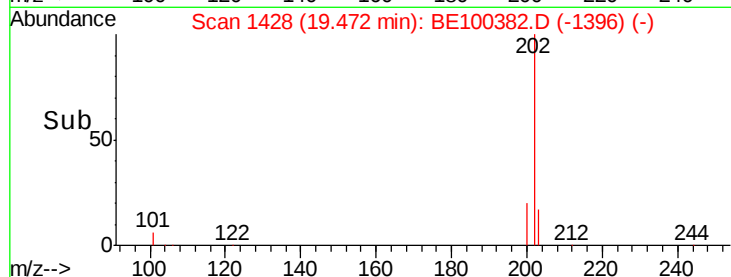
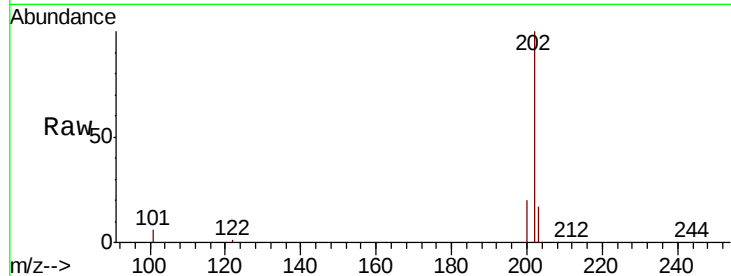
#28  
Pvrene  
Concen: 3.363 ng  
RT: 19.47 min Scan# 1428  
Delta R.T. -0.02 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.7  | 15.6  | 23.4  |
| 203     | 20.6  | 14.0  | 21.0  |

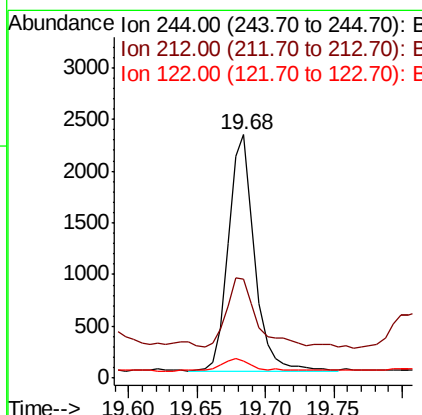
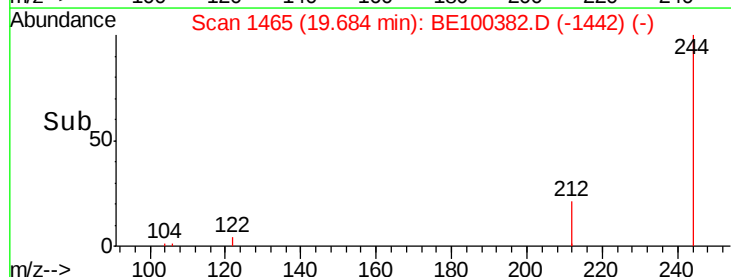
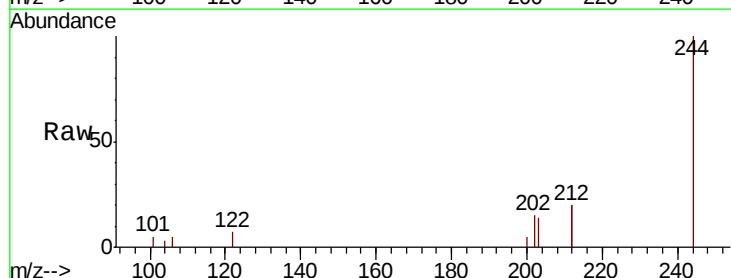
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#29  
Terphenyl-d14  
Concen: 0.201 ng  
RT: 19.68 min Scan# 1465  
Delta R.T. -0.02 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 40.8  | 27.3  | 40.9  |
| 122     | 6.9   | 4.7   | 7.1   |





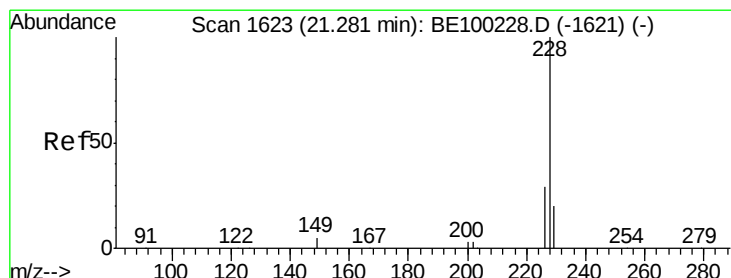
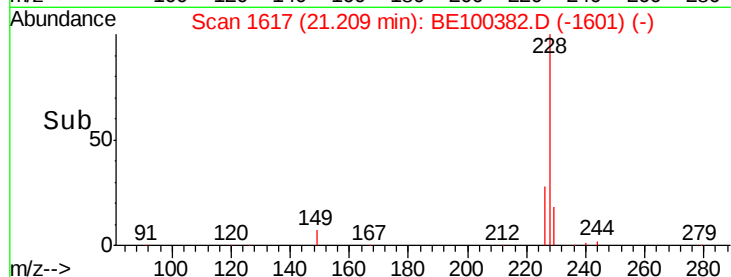
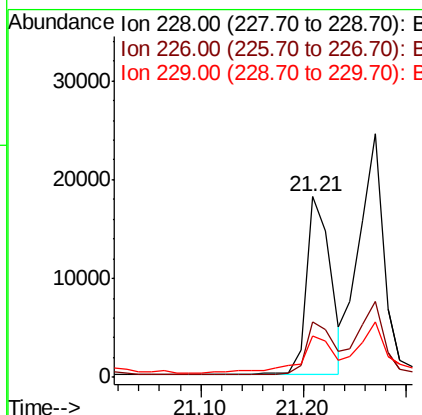
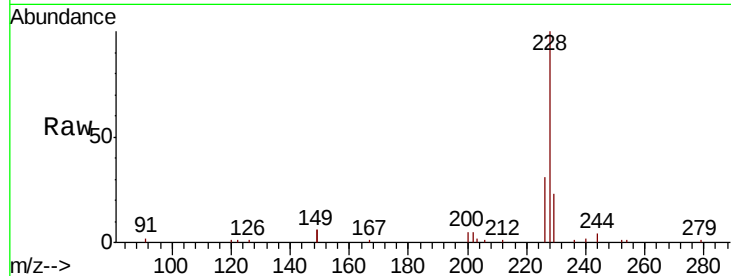
#30  
Benzo(a)anthracene  
Concen: 1.221 ng  
RT: 21.21 min Scan# 1617  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 23.2  | 34.8  |
| 229     | 22.7  | 15.7  | 23.5  |

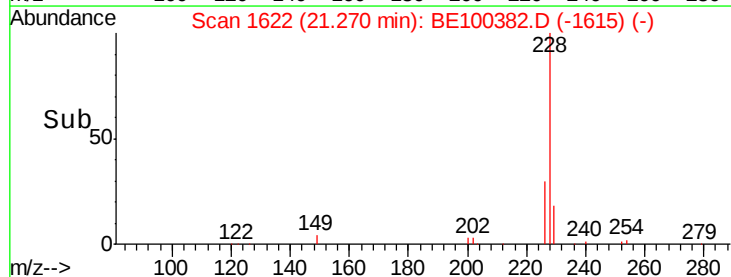
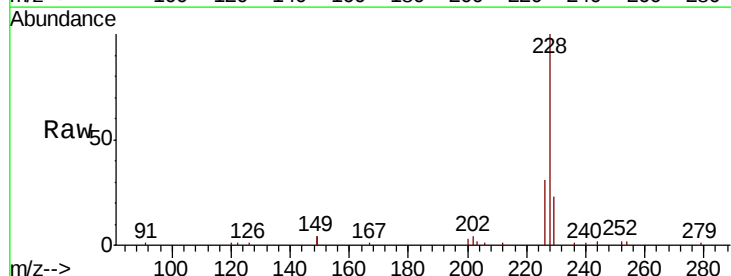
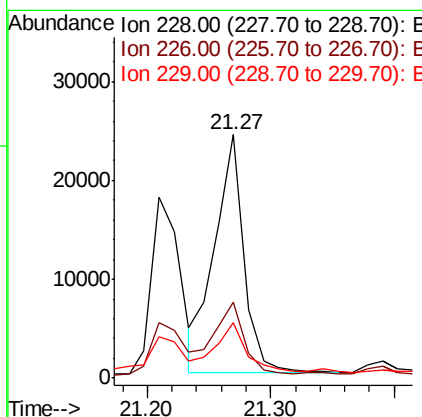
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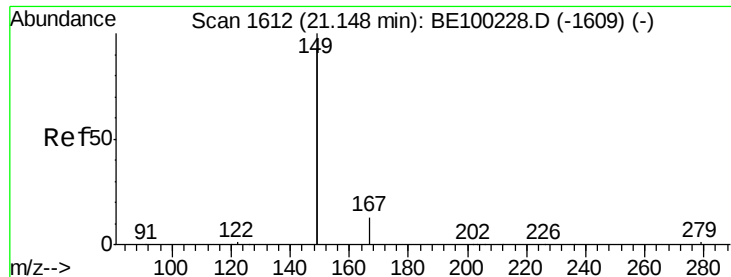
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#31  
Chrysene  
Concen: 1.635 ng  
RT: 21.27 min Scan# 1622  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 23.9  | 35.9  |
| 229     | 22.8  | 16.5  | 24.7  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.432 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

Instrument :

BNA\_E

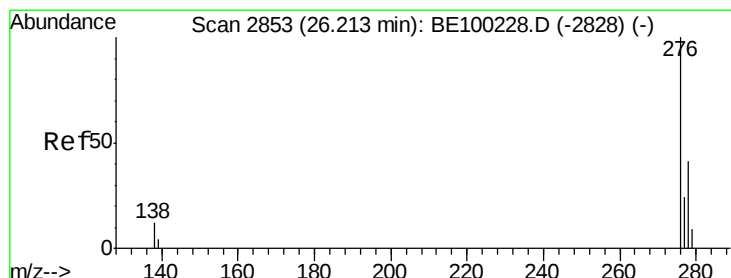
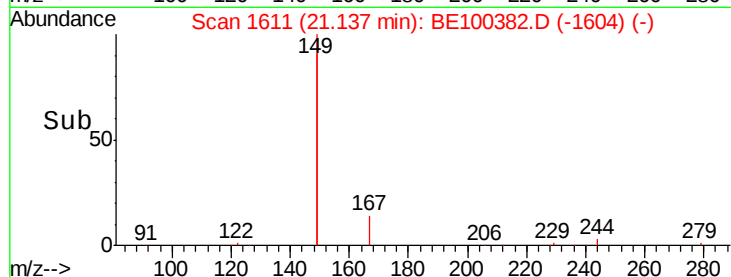
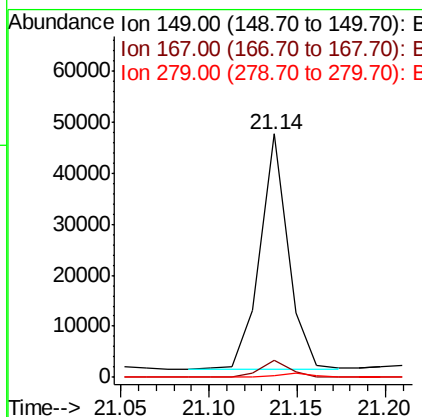
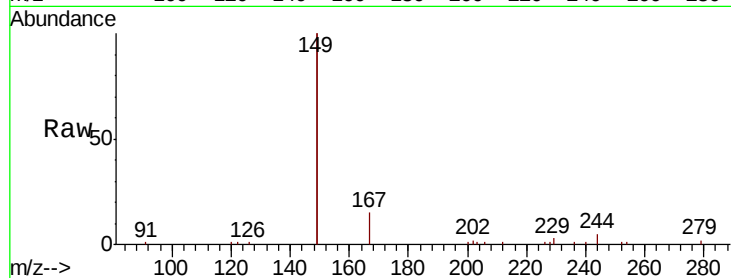
ClientSampleId :

EXT-032-SW174-062519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 51048 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.2   | 5.8   | 8.8   |
| 279       | 1.6   | 1.1   | 1.7   |

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.558 ng

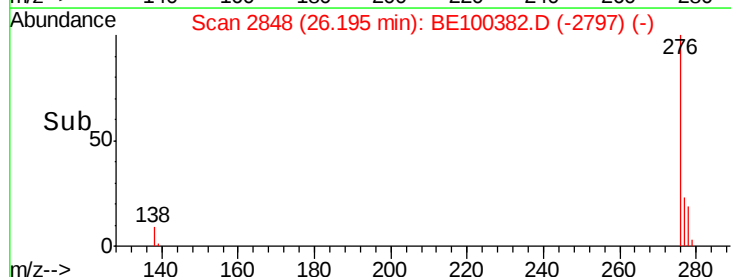
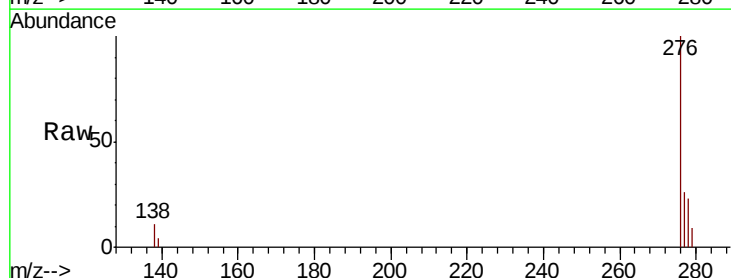
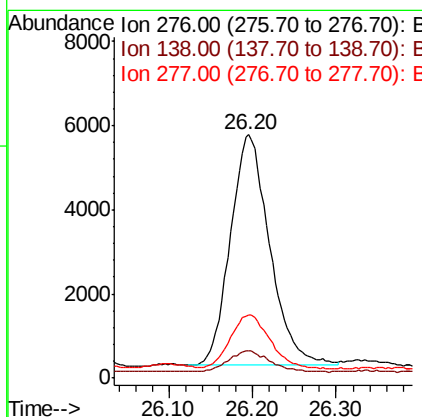
RT: 26.20 min Scan# 2848

Delta R.T. -0.02 min

Lab File: BE100382.D

Acq: 5 Jul 2019 15:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 17971 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 9.1   | 9.4   | 14.0# |
| 277       | 23.1  | 19.2  | 28.8  |





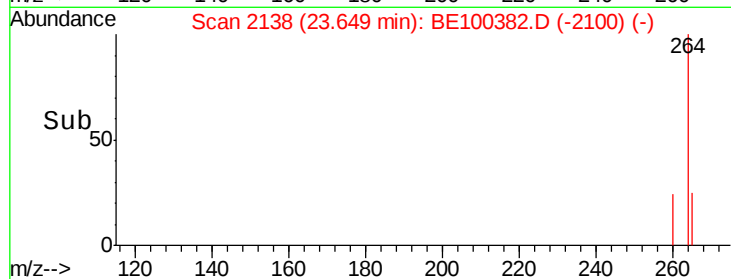
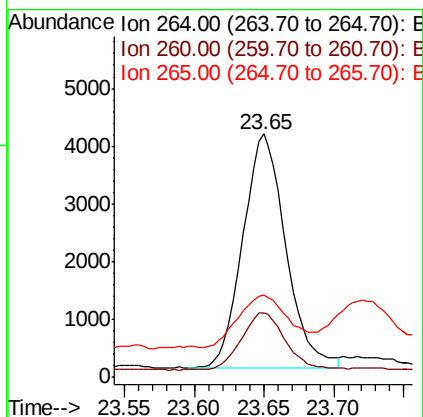
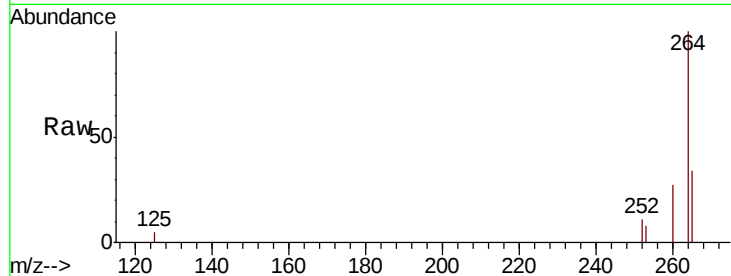
#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.65 min Scan# 2138  
 Delta R.T. -0.01 min  
 Lab File: BE100382.D  
 Acq: 5 Jul 2019 15:32

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.6  | 20.8  | 31.2  |
| 265     | 34.1  | 21.8  | 32.6  |

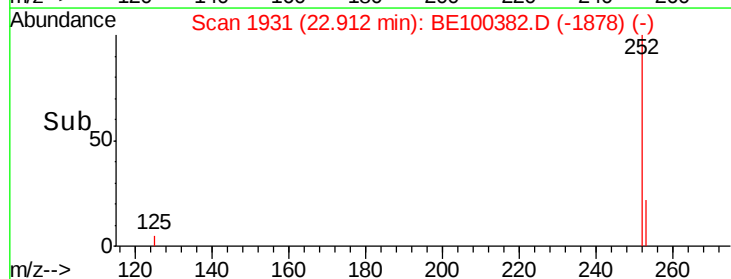
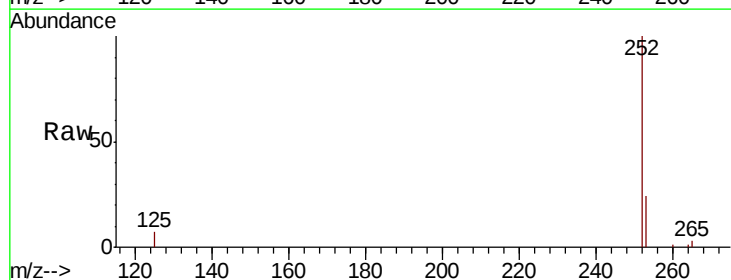
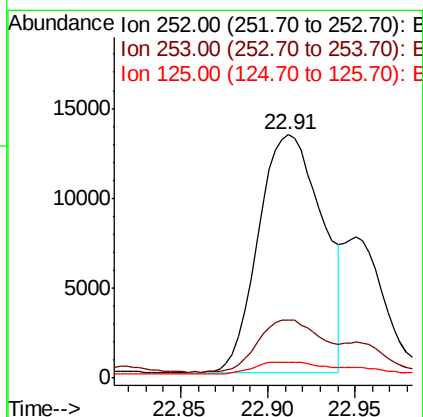
Manual Integrations  
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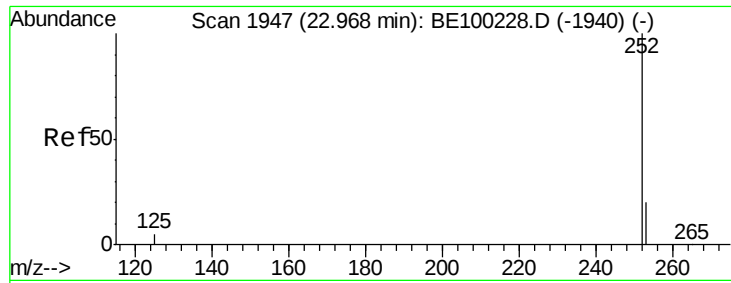
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#35  
 Benzo(b)fluoranthene  
 Concen: 1.435 ng  
 RT: 22.91 min Scan# 1931  
 Delta R.T. -0.01 min  
 Lab File: BE100382.D  
 Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 19.2  | 28.8  |
| 125     | 6.5   | 7.4   | 11.0  |





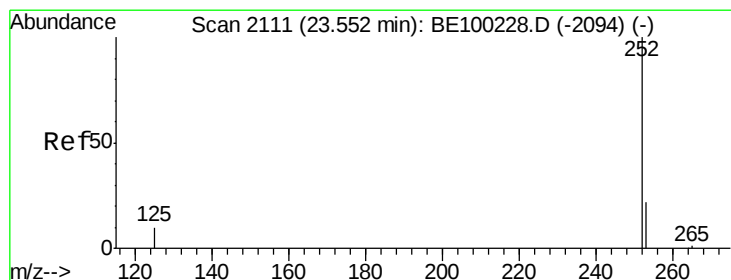
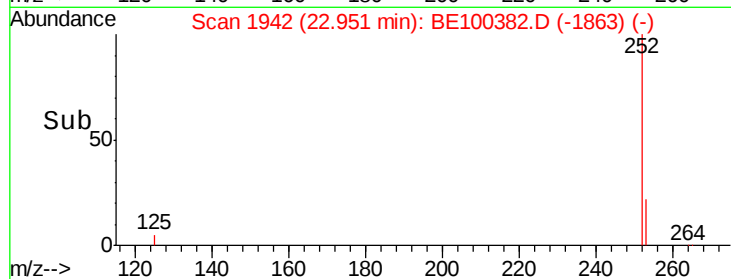
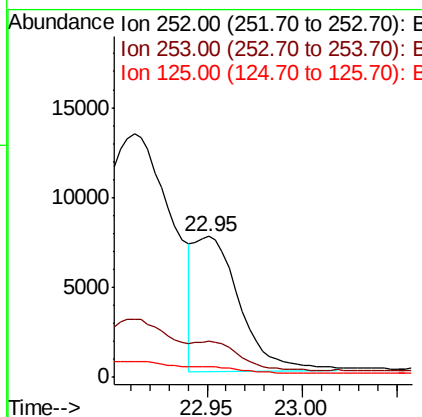
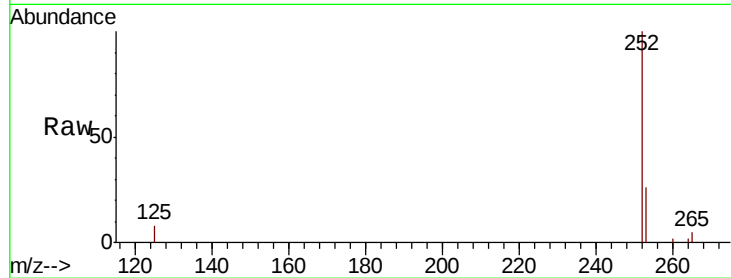
#36  
Benzo(k)fluoranthene  
Concen: 0.477 ng m  
RT: 22.95 min Scan# 1942  
Delta R.T. -0.02 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.6  | 17.9  | 26.9  |
| 125     | 7.9   | 5.0   | 7.4   |

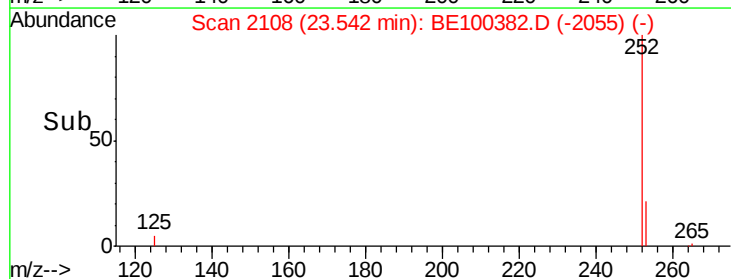
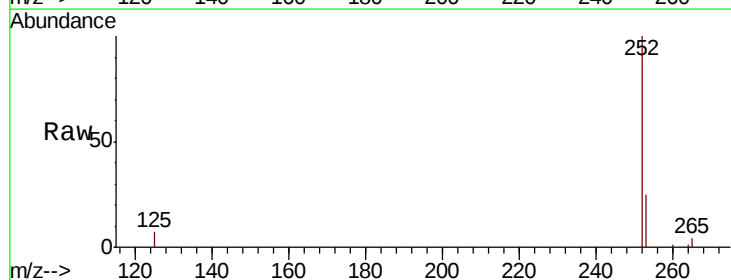
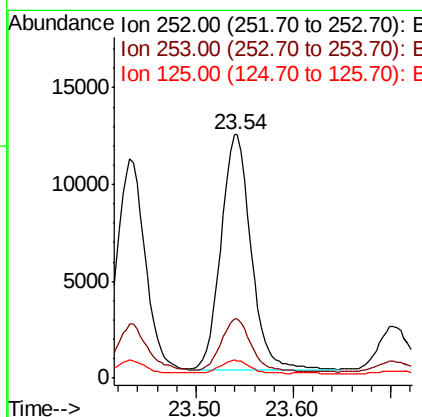
Manual Integrations  
APPROVED

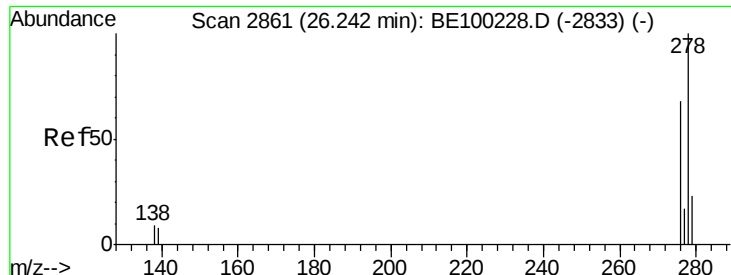
mohammad  
7/8/2019 2:13:43 PM



#37  
Benzo(a)pyrene  
Concen: 1.102 ng  
RT: 23.54 min Scan# 2108  
Delta R.T. -0.01 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 19.6  | 29.4  |
| 125     | 7.2   | 9.0   | 13.6  |





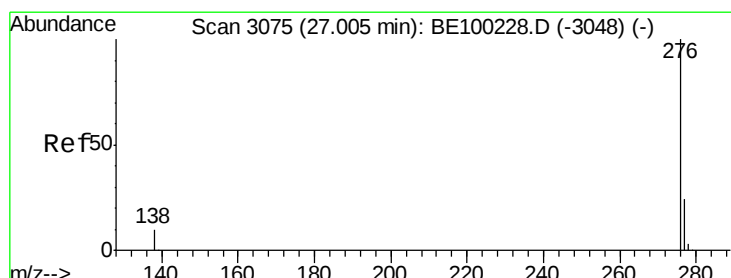
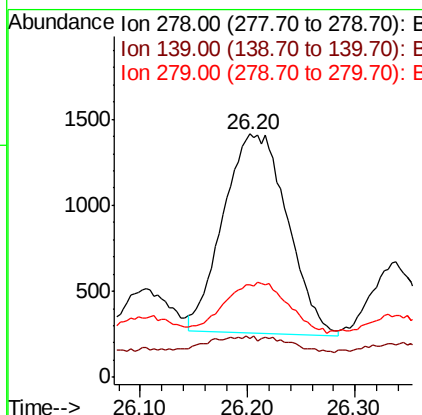
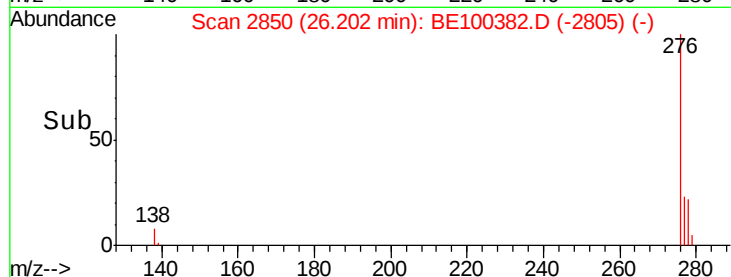
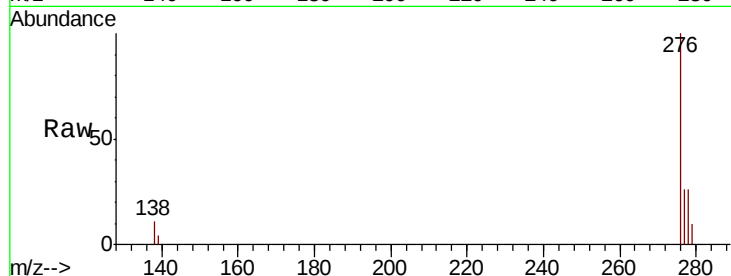
#38  
Dibenzo(a,h)anthracene  
Concen: 0.195 ng  
RT: 26.20 min Scan# 2850  
Delta R.T. -0.04 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-032-SW174-062519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.2  | 8.2   | 12.2# |
| 279     | 38.2  | 20.3  | 30.5# |

Manual Integrations  
APPROVED

mohammad  
7/8/2019 2:13:43 PM



#39  
Benzo(g,h,i)perylene  
Concen: 0.872 ng  
RT: 26.98 min Scan# 3068  
Delta R.T. -0.03 min  
Lab File: BE100382.D  
Acq: 5 Jul 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.5  | 20.2  | 30.2  |
| 138     | 11.0  | 9.0   | 13.6  |

