

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\  
 Data File : BE100313.D  
 Acq On : 2 Jul 2019 21:41  
 Operator : JU/SJ  
 Sample : K3445-17 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-001-SW077-061719

Manual Integrations  
 APPROVED

mohammad  
 7/3/2019 10:49:12 PM

Quant Time: Jul 03 03:54:43 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      | 7.64  | 152  | 938      | 0.40   | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.43 | 136  | 3317     | 0.40   | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.31 | 164  | 2562     | 0.40   | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.05 | 188  | 7008     | 0.40   | ng    | 0.00     |
| 27) Chrysene-d12               | 21.24 | 240  | 9291     | 0.40   | ng    | 0.00     |
| 34) Perylene-d12               | 23.68 | 264  | 11553    | 0.40   | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 4) 2-Fluorophenol              | 5.22  | 112  | 373      | 0.16   | ng    | 0.01     |
| 5) Phenol-d6                   | 6.83  | 99   | 442      | 0.14   | ng    | -0.01    |
| 8) Nitrobenzene-d5             | 8.81  | 82   | 497      | 0.15   | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10    | 12.04 | 152  | 992      | 0.16   | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.81 | 330  | 269      | 0.15   | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.93 | 172  | 1389     | 0.14   | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.10 | 212  | 15237    | 0.15   | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.70 | 244  | 2812     | 0.15   | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Naphthalene                 | 10.48 | 128  | 11252    | 0.308  | ng    | 99       |
| 12) 2-Methylnaphthalene        | 12.12 | 142  | 1431     | 0.223  | ng    | 99       |
| 16) Acenaphthylene             | 14.04 | 152  | 15991    | 1.301  | ng    | 99       |
| 17) Acenaphthene               | 14.38 | 154  | 852      | 0.122  | ng    | # 90     |
| 18) Fluorene                   | 15.35 | 166  | 3450     | 0.335  | ng    | # 84     |
| 23) Phenanthrene               | 17.11 | 178  | 80518    | 4.740  | ng    | 99       |
| 24) Anthracene                 | 17.20 | 178  | 14689    | 0.960  | ng    | # 87     |
| 26) Fluoranthene               | 19.13 | 202  | 230865   | 8.533  | ng    | 98       |
| 28) Pyrene                     | 19.50 | 202  | 369822   | 15.034 | ng    | 97       |
| 30) Benzo(a)anthracene         | 21.23 | 228  | 188374   | 6.166  | ng    | 95       |
| 31) Chrysene                   | 21.28 | 228  | 181234   | 5.908  | ng    | 96       |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 29225    | 0.619  | ng    | 99       |
| 33) Indeno(1,2,3-cd)pyrene     | 26.24 | 276  | 127545   | 3.144  | ng    | # 98     |
| 35) Benzo(b)fluoranthene       | 22.94 | 252  | 197156   | 6.294  | ng    | # 95     |
| 36) Benzo(k)fluoranthene       | 22.97 | 252  | 62968m   | 1.801  | ng    |          |
| 37) Benzo(a)pyrene             | 23.57 | 252  | 170351   | 5.426  | ng    | # 93     |
| 38) Dibenzo(a,h)anthracene     | 26.25 | 278  | 30179    | 0.920  | ng    | # 91     |
| 39) Benzo(a,h,i)perylene       | 27.03 | 276  | 146219   | 4.341  | ng    | 98       |

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

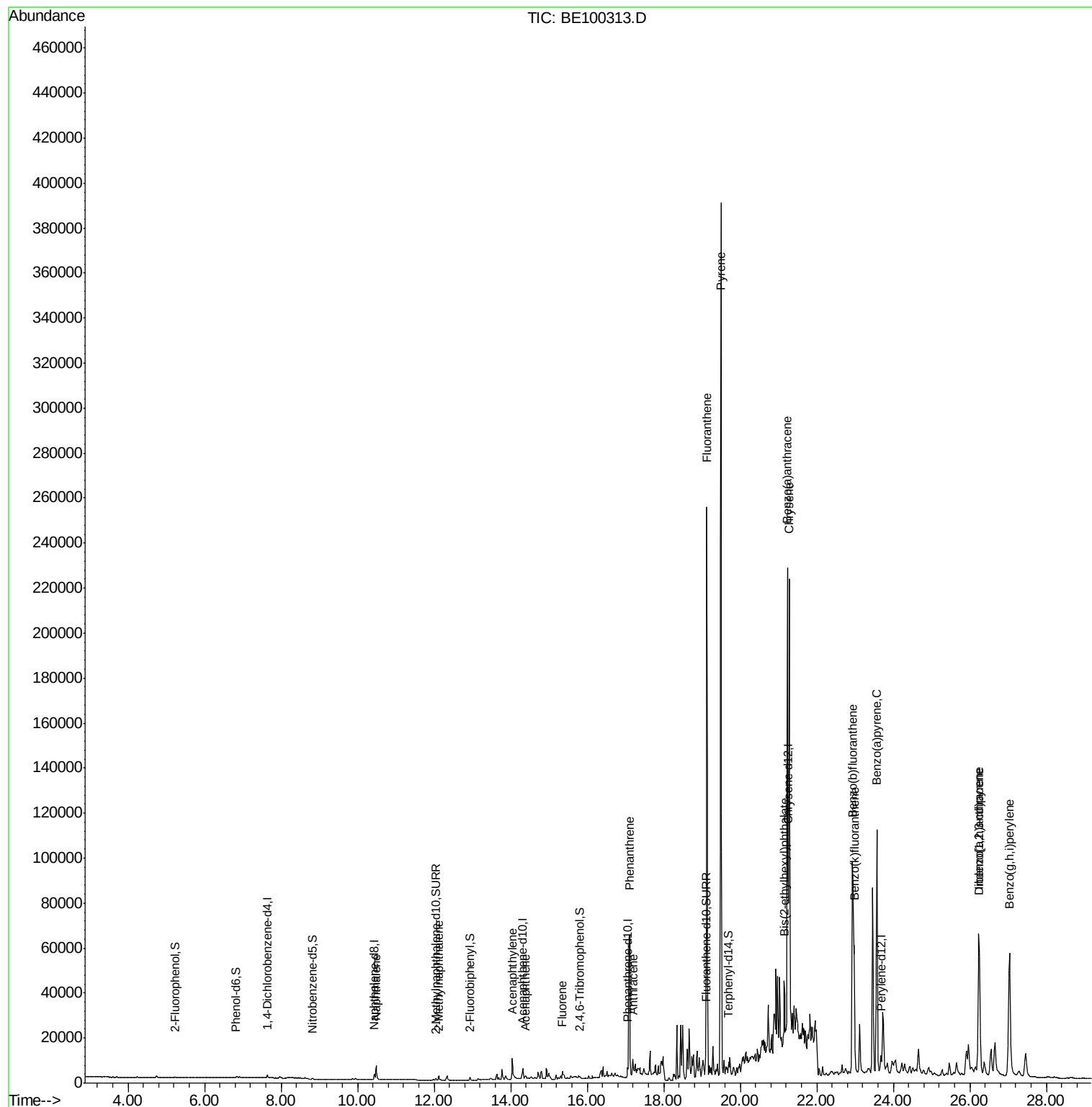
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\  
Data File : BE100313.D  
Acq On : 2 Jul 2019 21:41  
Operator : JU/SJ  
Sample : K3445-17 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

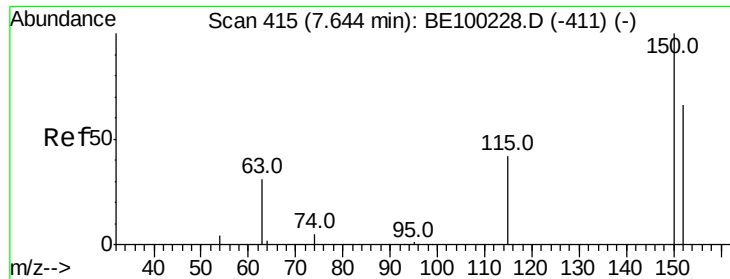
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

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Quant Time: Jul 03 03:54:43 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: 7.64 min Scan# 415

Delta R.T. -0.00 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

Instrument :

BNA\_E

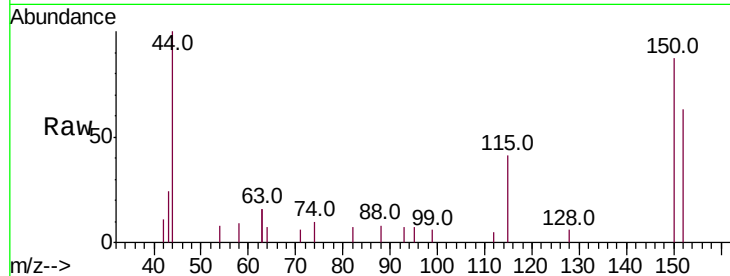
ClientSampleId :

EXT-001-SW077-061719

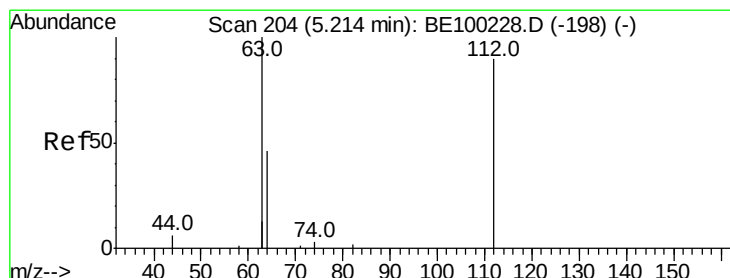
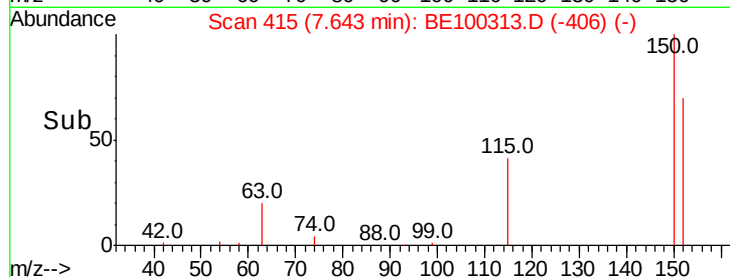
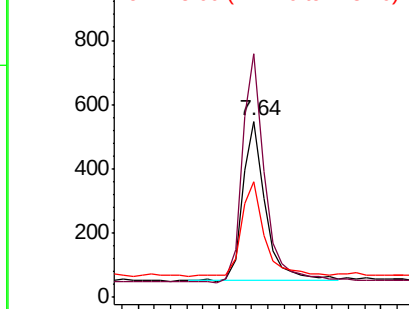
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 938   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 138.6 | 114.5 | 171.7 |
| 115      | 66.0  | 57.1  | 85.7  |

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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: 0.156 ng

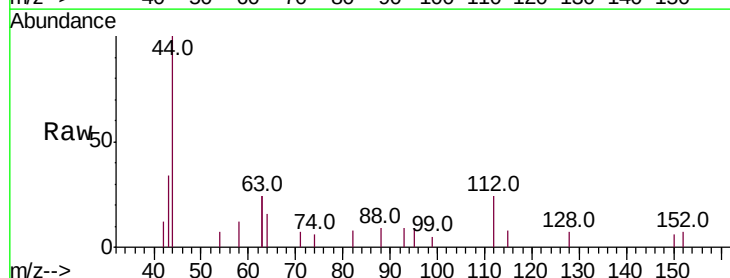
RT: 5.22 min Scan# 205

Delta R.T. 0.01 min

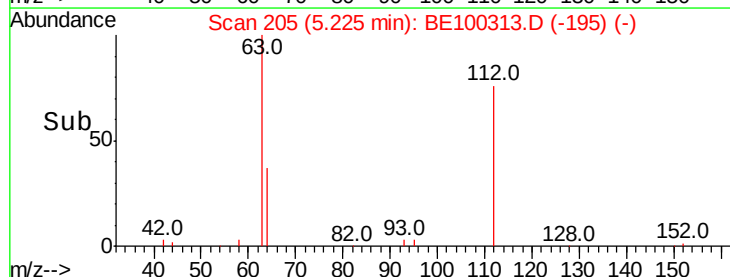
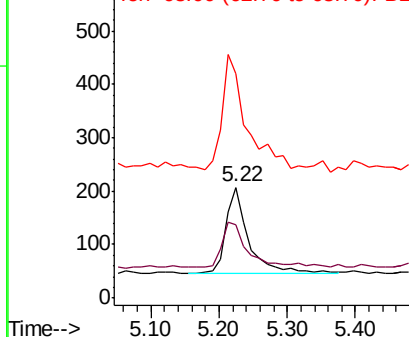
Lab File: BE100313.D

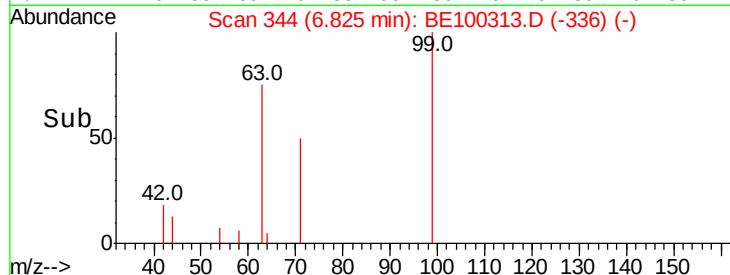
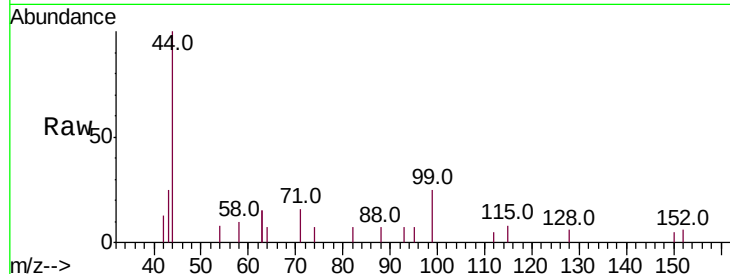
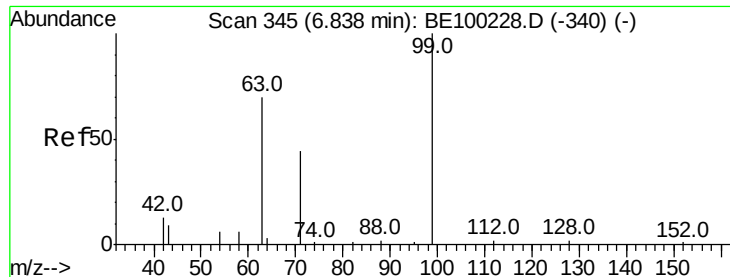
Acq: 2 Jul 2019 21:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 373   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 61.9  | 39.4  | 59.0# |
| 63       | 146.1 | 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: 0.140 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 442   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 16.5  | 11.2  | 16.8  |
| 71       | 39.1  | 37.2  | 55.8  |

Instrument :

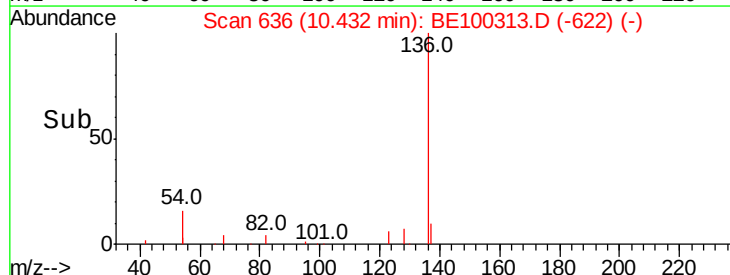
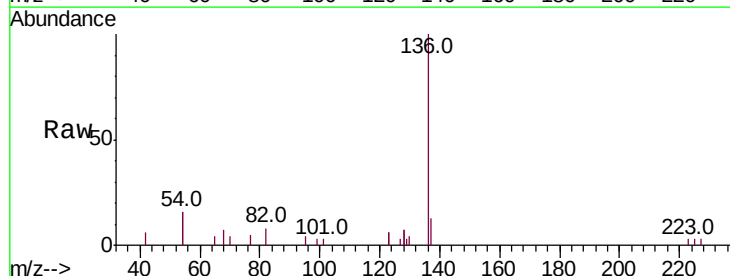
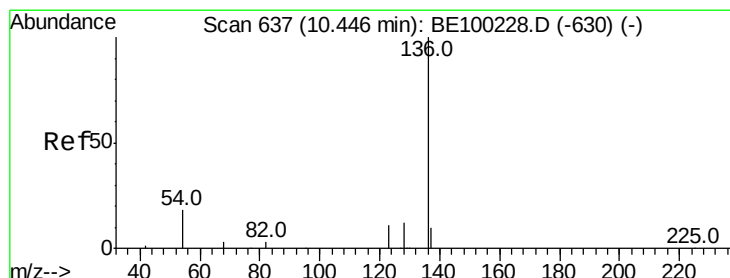
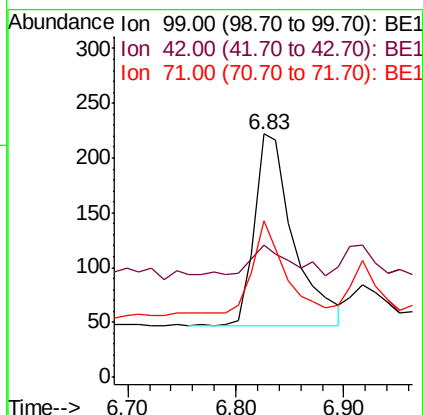
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#7

Naphthalene-d8

Concen: 0.400 ng

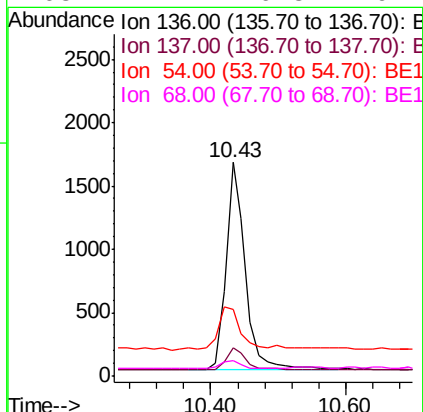
RT: 10.43 min Scan# 636

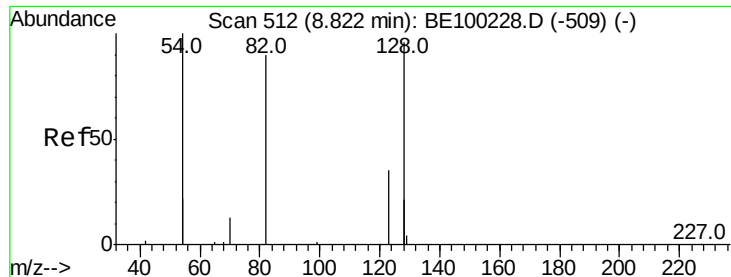
Delta R.T. -0.01 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 3317  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.1  | 11.8  | 17.8  |
| 54       | 31.4  | 27.7  | 41.5  |
| 68       | 7.4   | 6.8   | 10.2  |





#8

Nitrobenzene-d5

Concen: 0.151 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

Instrument :

BNA\_E

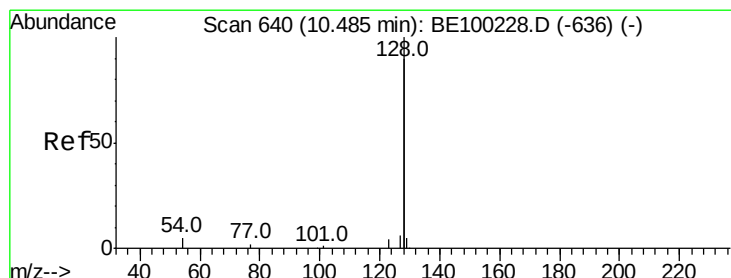
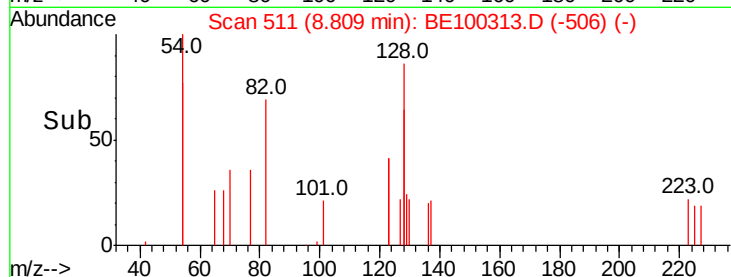
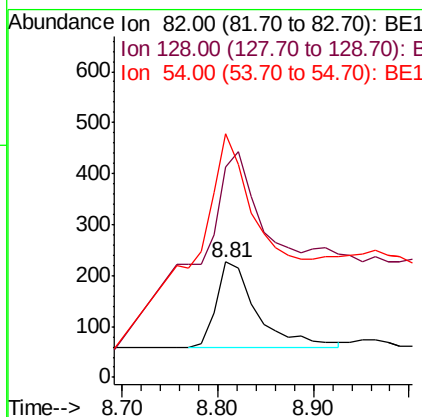
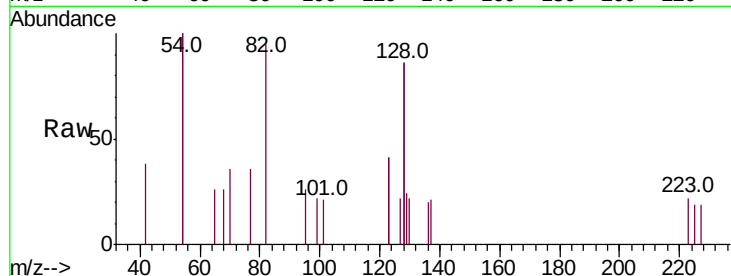
ClientSampleId :

EXT-001-SW077-061719

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 497   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 181.5 | 140.9 | 211.3 |
| 54       | 210.6 | 146.2 | 219.2 |

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#9

Naphthalene

Concen: 0.308 ng

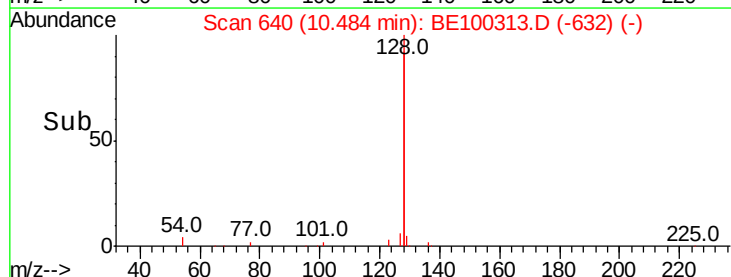
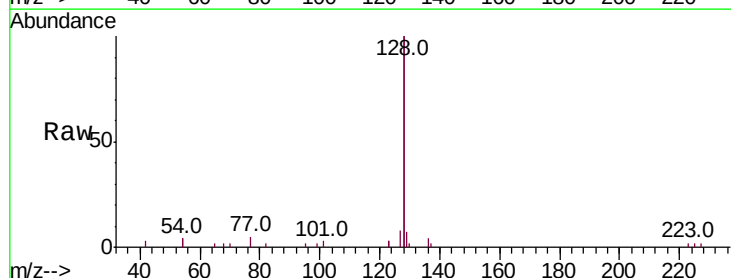
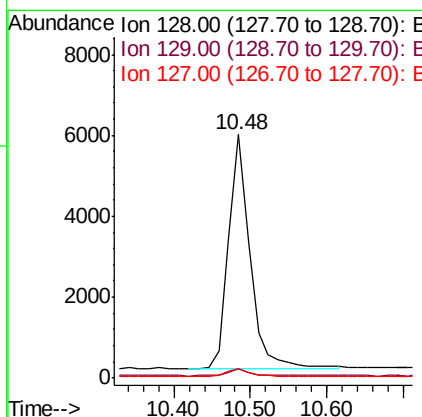
RT: 10.48 min Scan# 640

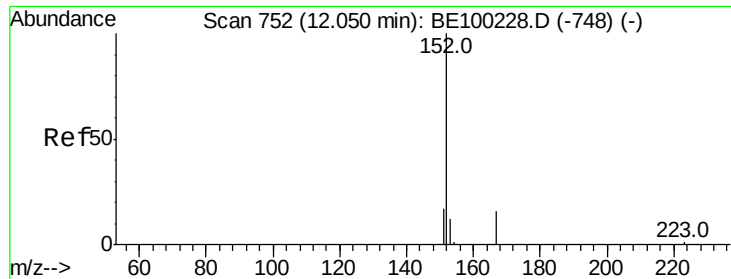
Delta R.T. -0.00 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 11252 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 3.6   | 3.0   | 4.6   |
| 127      | 4.0   | 3.5   | 5.3   |





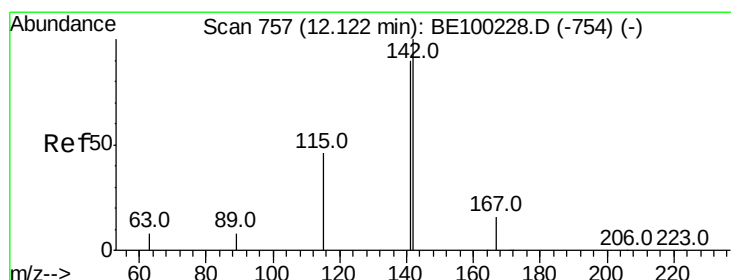
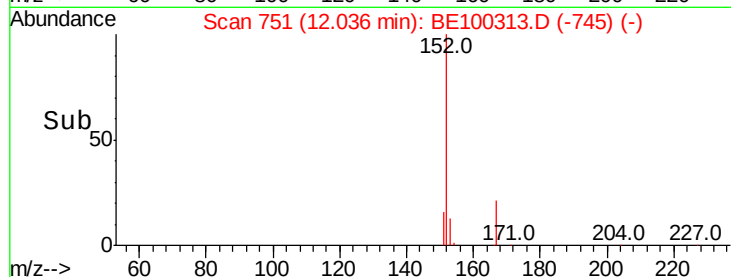
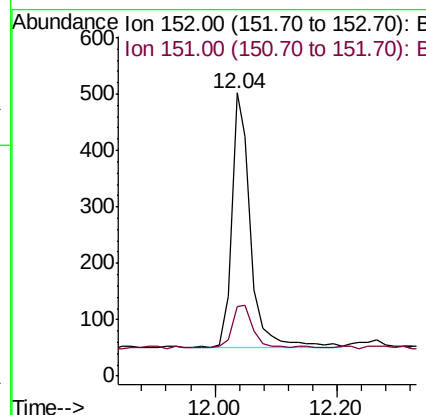
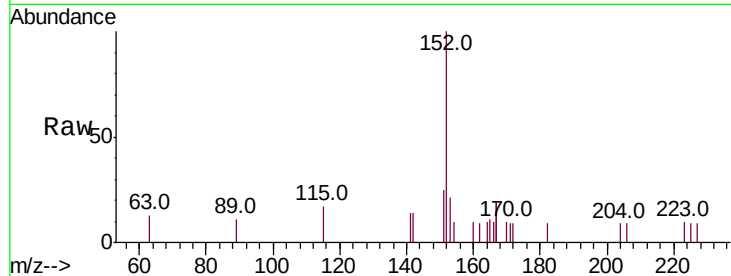
#11  
2-Methylnaphthalene-d10  
Concen: 0.159 ng  
RT: 12.04 min Scan# 751  
Delta R.T. -0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

Tot Ion:152 Resp: 992  
Ion Ratio Lower Upper  
152 100  
151 18.3 15.1 22.7

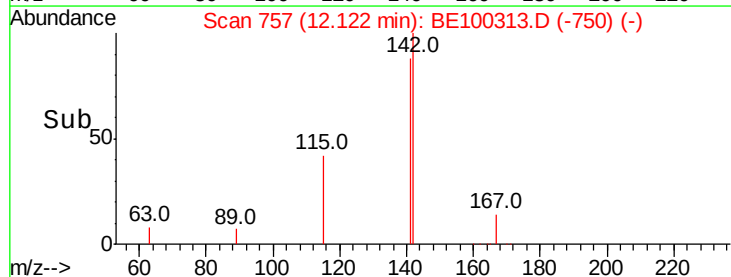
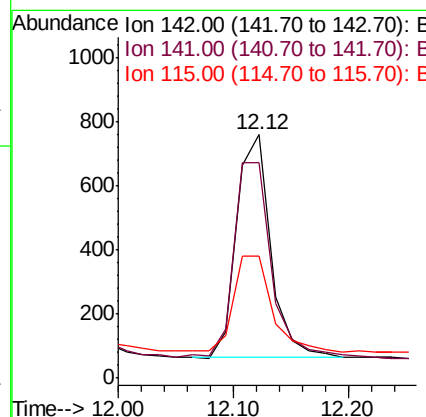
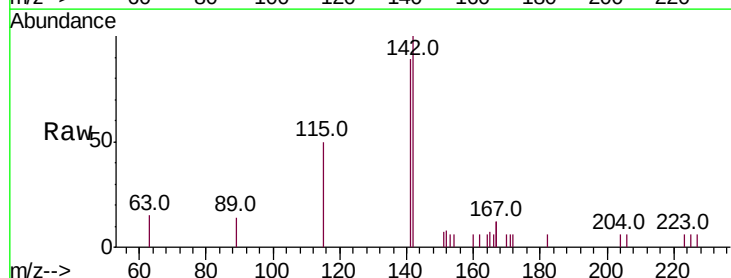
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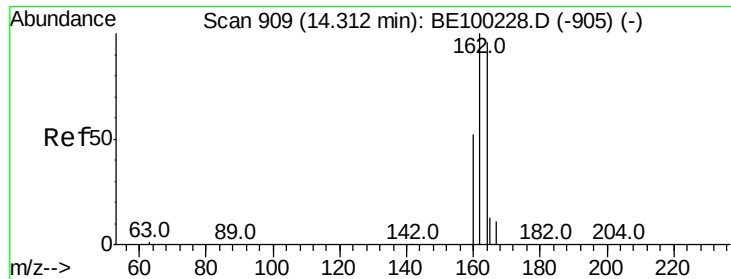
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#12  
2-Methylnaphthalene  
Concen: 0.223 ng  
RT: 12.12 min Scan# 757  
Delta R.T. -0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Tgt Ion:142 Resp: 1431  
Ion Ratio Lower Upper  
142 100  
141 88.7 72.4 108.6  
115 50.2 40.4 60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

Instrument :

BNA\_E

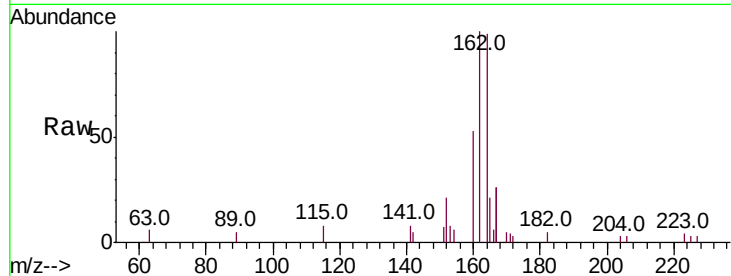
ClientSampleId :

EXT-001-SW077-061719

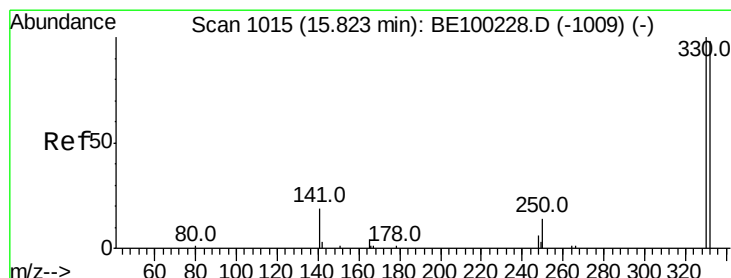
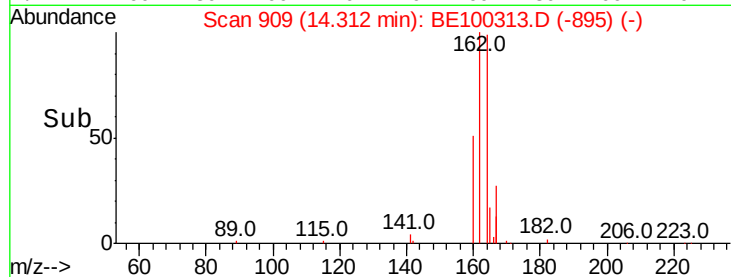
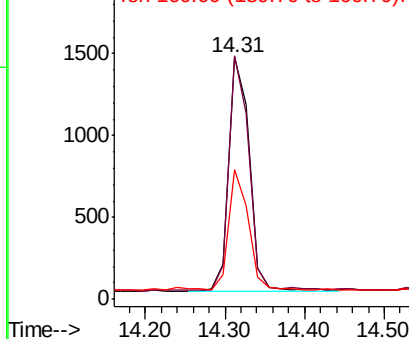
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 2562  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 100.7 | 83.4  | 125.0 |
| 160      | 53.6  | 45.0  | 67.6  |

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Abundance Ion 164.00 (163.70 to 164.70): E  
2000 Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.150 ng

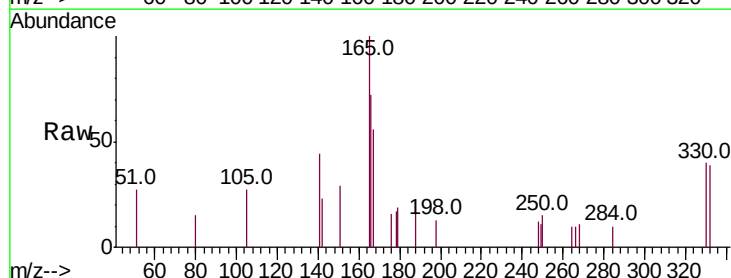
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

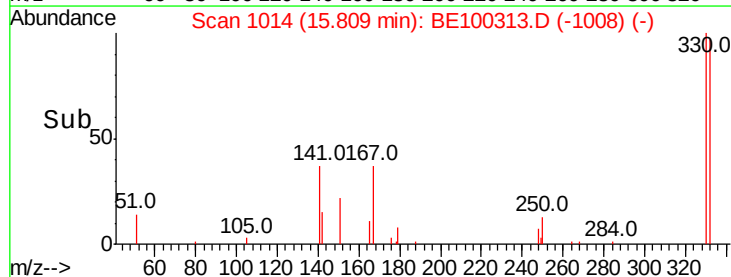
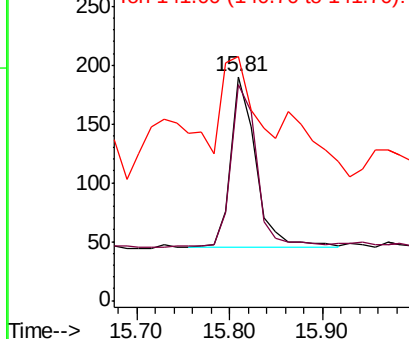
Lab File: BE100313.D

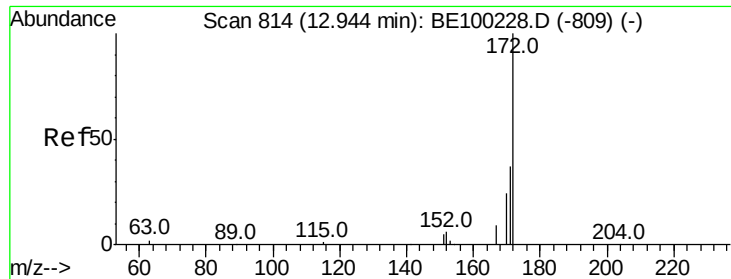
Acq: 2 Jul 2019 21:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 269   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 95.2  | 77.0  | 115.4 |
| 141      | 68.8  | 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





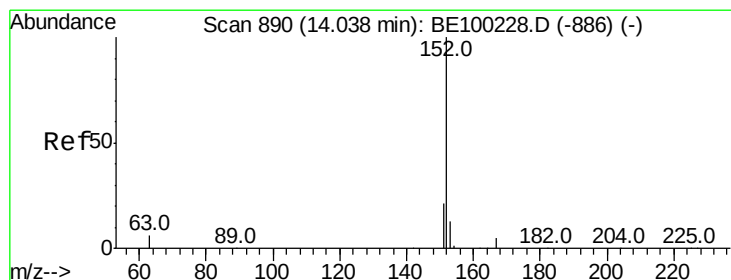
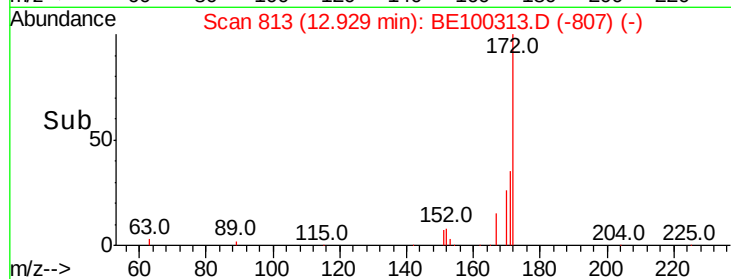
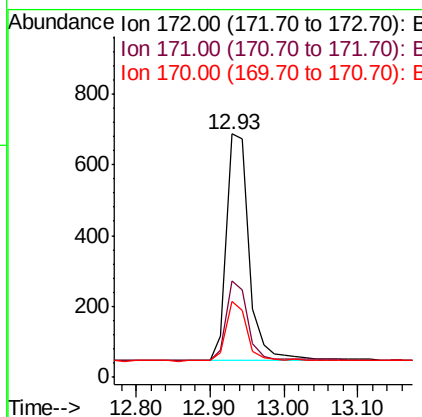
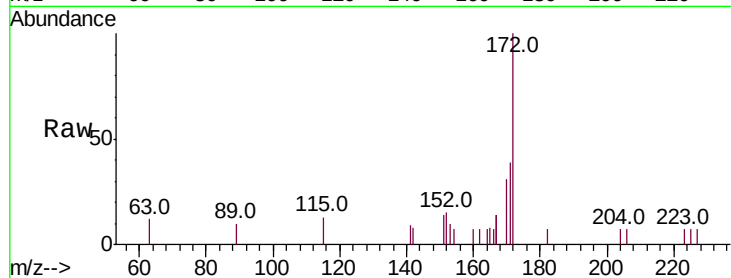
#15  
2-Fluorobiphenyl  
Concen: 0.139 ng  
RT: 12.93 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.4  | 31.9  | 47.9  |
| 170     | 31.0  | 22.2  | 33.2  |

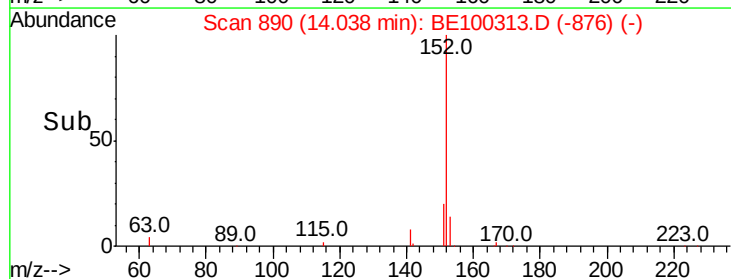
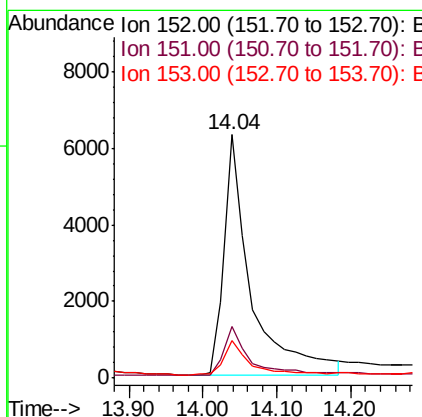
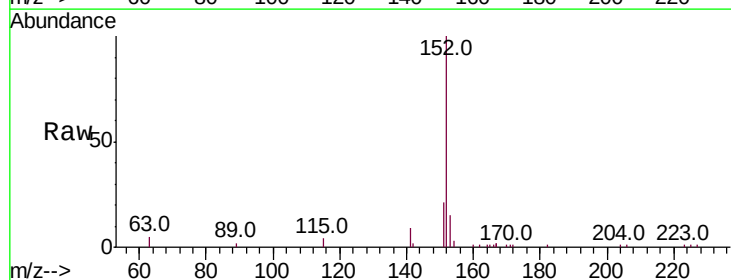
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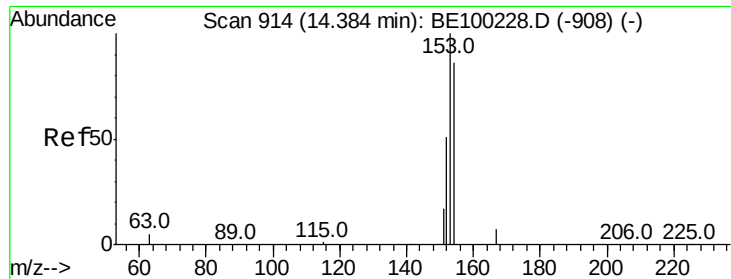


#16  
Acenaphthylene  
Concen: 1.301 ng  
RT: 14.04 min Scan# 890  
Delta R.T. -0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.2  | 16.6  | 25.0  |
| 153     | 13.2  | 10.5  | 15.7  |







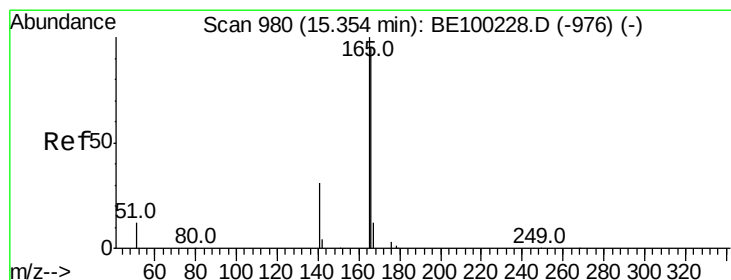
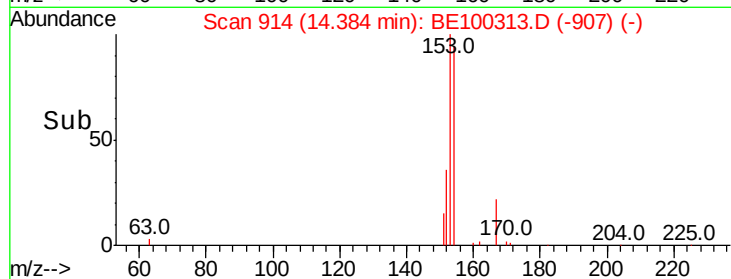
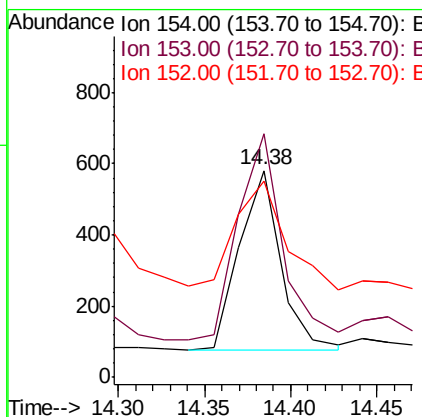
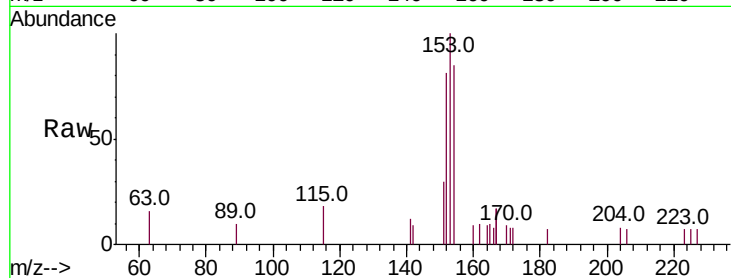
#17  
Acenaphthene  
Concen: 0.122 ng  
RT: 14.38 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 121.7 | 93.4  | 140.2 |
| 152     | 76.5  | 49.4  | 74.2# |

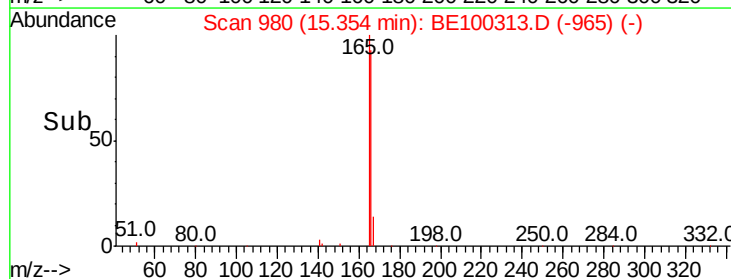
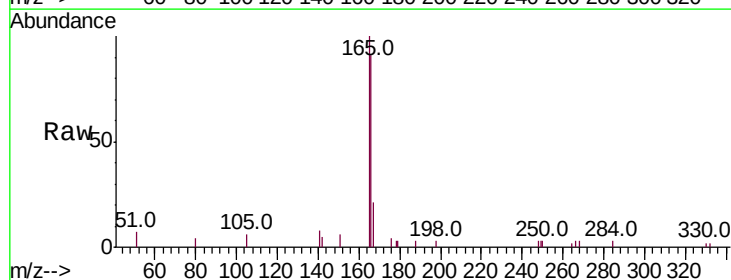
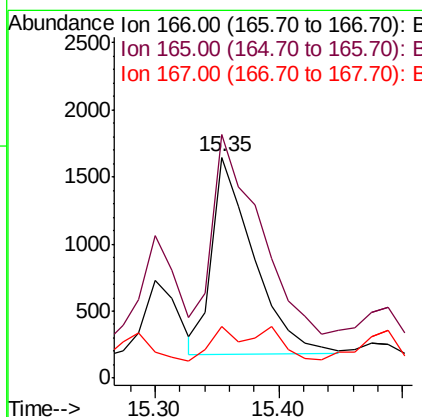
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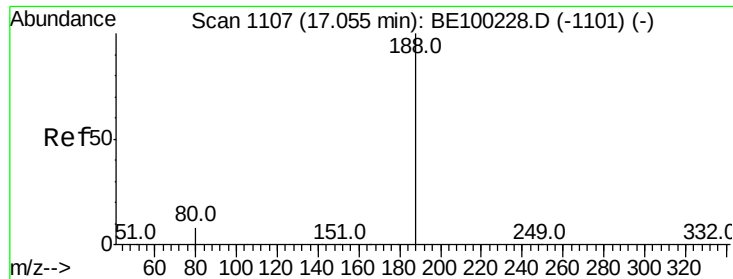
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#18  
Fluorene  
Concen: 0.335 ng  
RT: 15.35 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 116.3 | 81.1  | 121.7 |
| 167     | 23.4  | 10.7  | 16.1# |





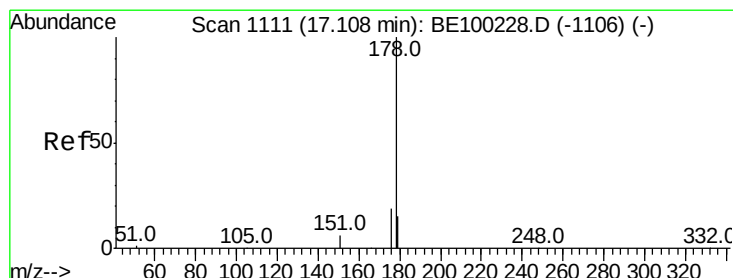
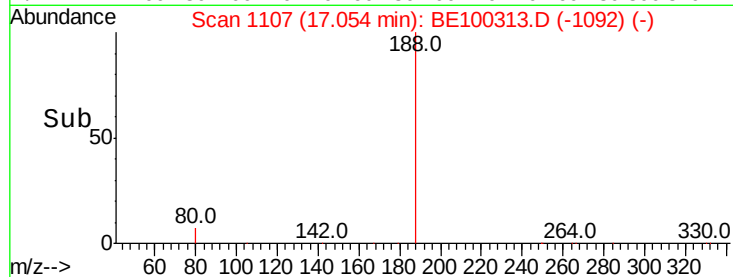
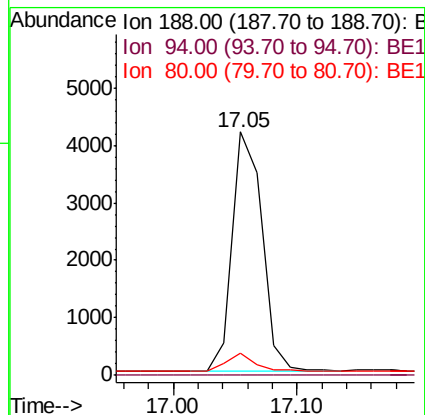
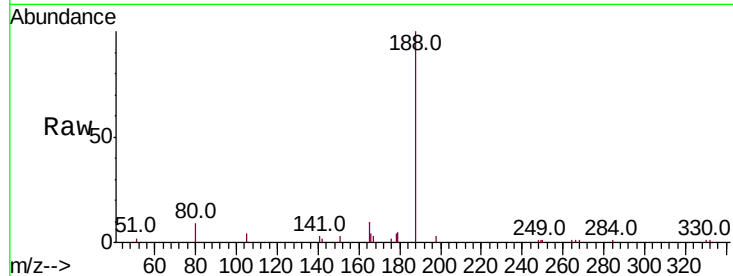
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.05 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 188   | Resp: | 7008 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 8.9   | 7.6   | 11.4 |

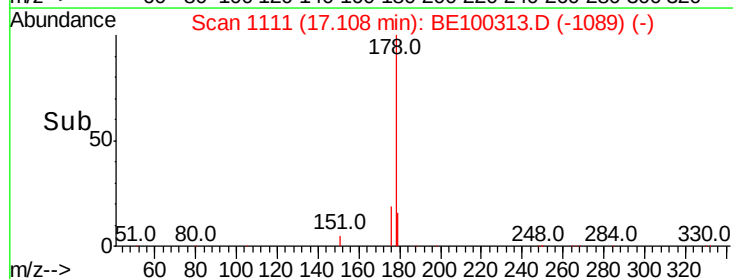
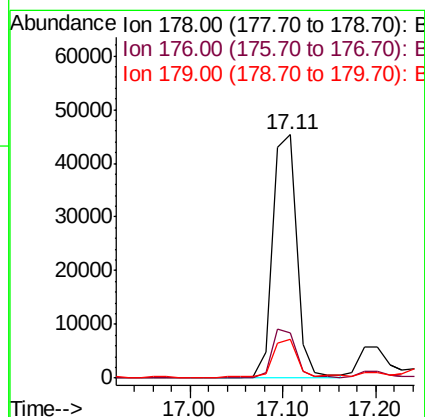
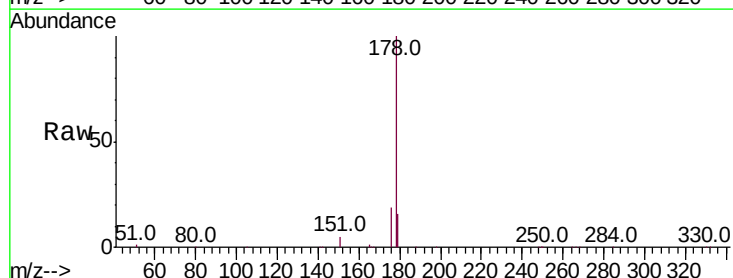
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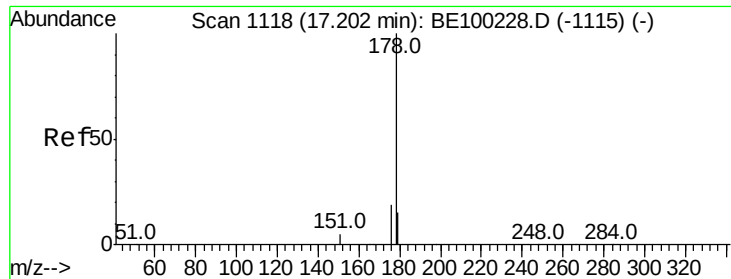
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#23  
Phenanthrene  
Concen: 4.740 ng  
RT: 17.11 min Scan# 1111  
Delta R.T. -0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 80518 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.8  | 15.9  | 23.9  |
| 179       | 15.8  | 12.2  | 18.2  |





#24

Anthracene

Concen: 0.960 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

Instrument :

BNA\_E

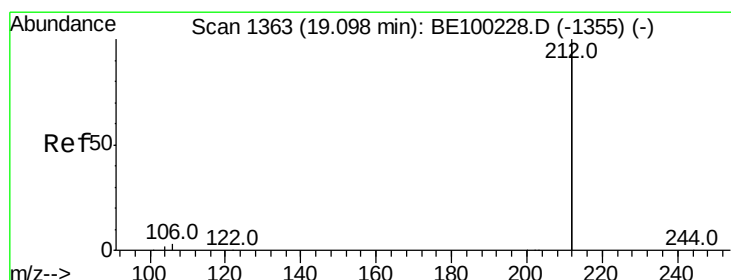
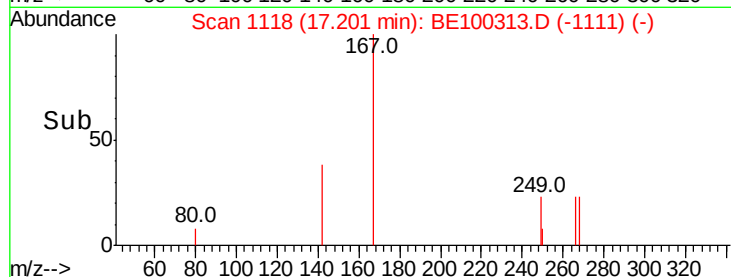
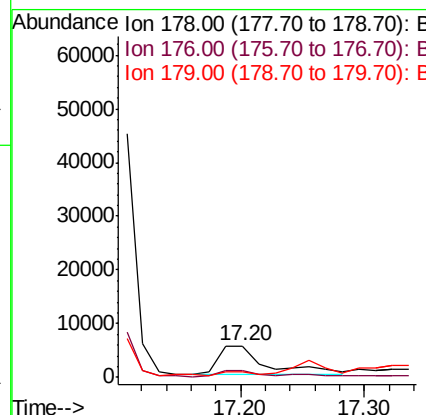
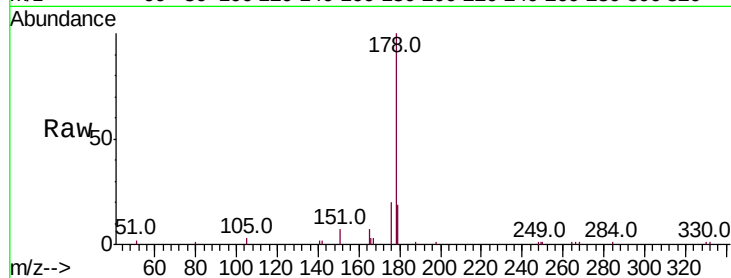
ClientSampleId :

EXT-001-SW077-061719

|             |       |            |
|-------------|-------|------------|
| Tot Ion:178 | Resp: | 14689      |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 176         | 14.8  | 15.3 22.9# |
| 179         | 7.5   | 12.2 18.2# |

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#25

Fluoranthene-d10

Concen: 0.150 ng

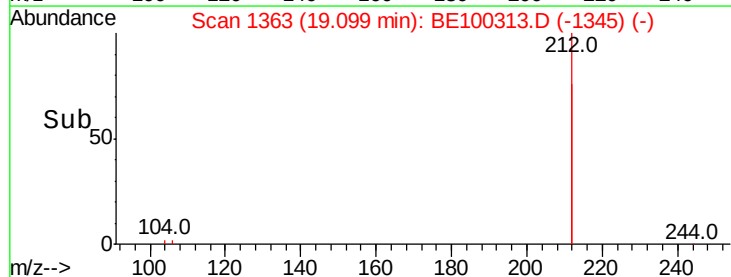
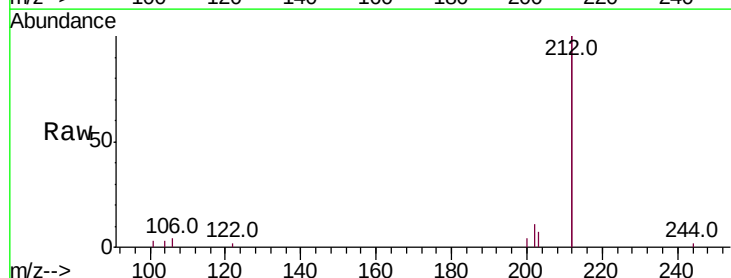
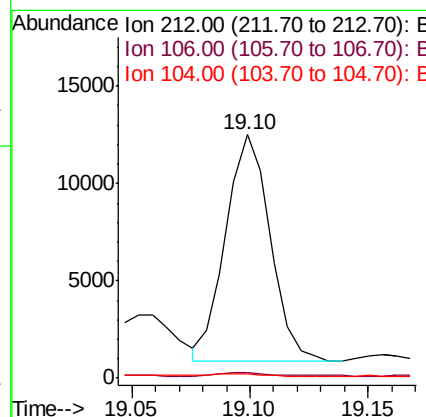
RT: 19.10 min Scan# 1363

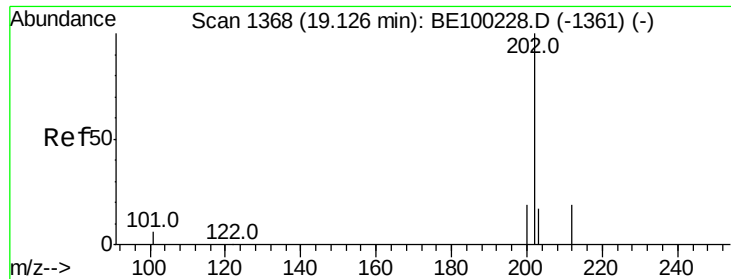
Delta R.T. 0.00 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

|             |       |         |
|-------------|-------|---------|
| Tgt Ion:212 | Resp: | 15237   |
| Ion Ratio   | Lower | Upper   |
| 212         | 100   |         |
| 106         | 1.7   | 1.3 1.9 |
| 104         | 1.1   | 0.8 1.2 |





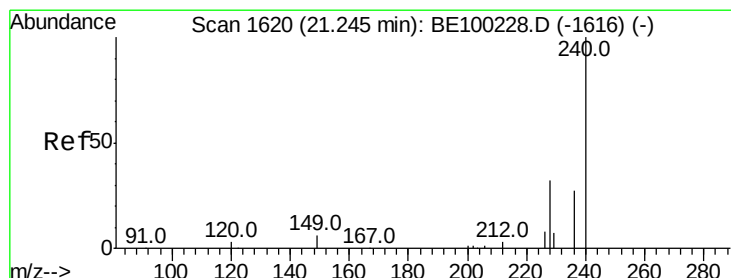
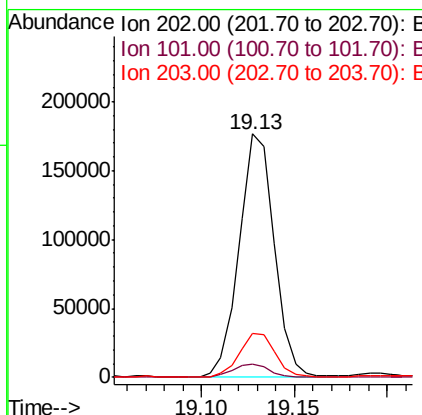
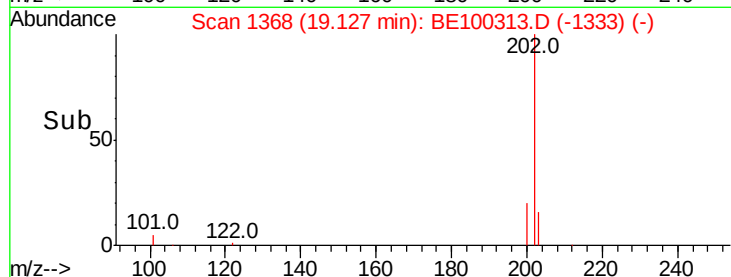
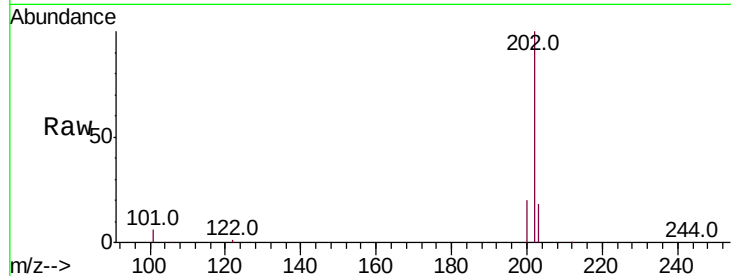
#26  
Fluoranthene  
Concen: 8.533 ng  
RT: 19.13 min Scan# 1368  
Delta R.T. 0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 230865 |       |       |
| 101     | 5.5   |        | 4.6   | 7.0   |
| 203     | 18.2  |        | 13.7  | 20.5  |

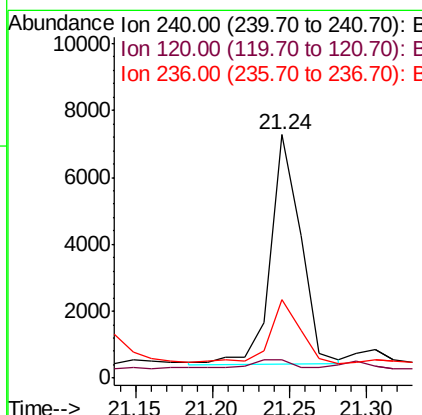
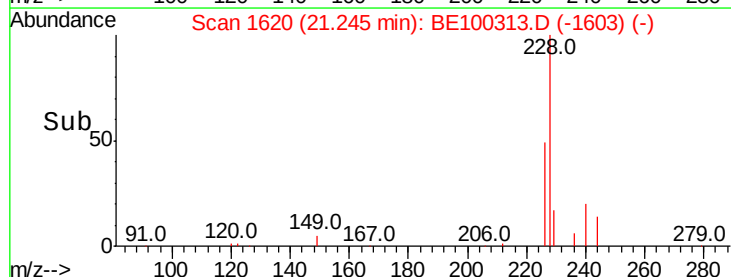
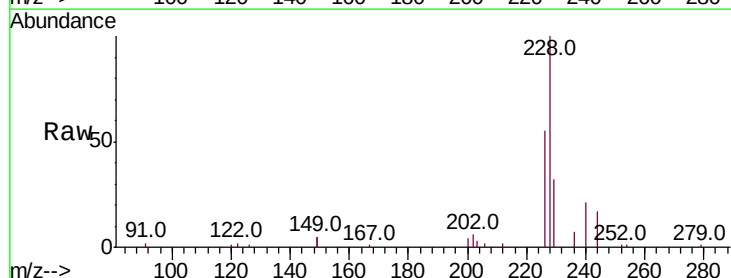
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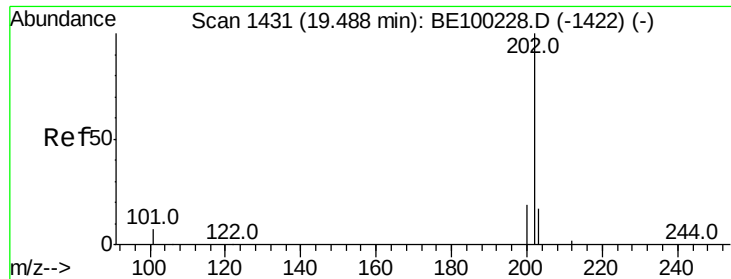
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#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.24 min Scan# 1620  
Delta R.T. 0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 240     | 100   | 9291 |       |       |
| 120     | 7.3   |      | 3.3   | 4.9#  |
| 236     | 32.4  |      | 22.6  | 34.0  |





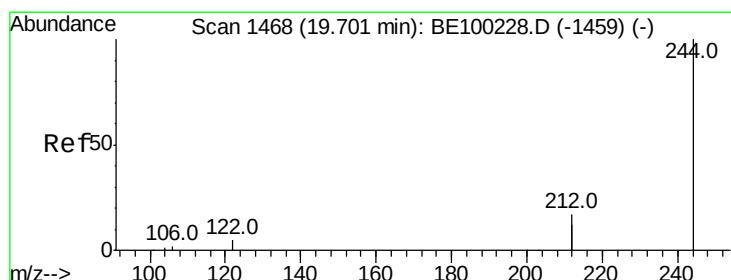
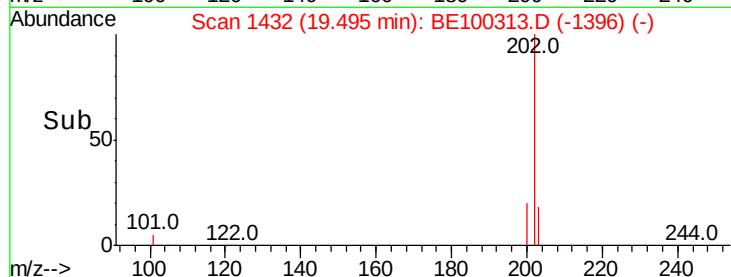
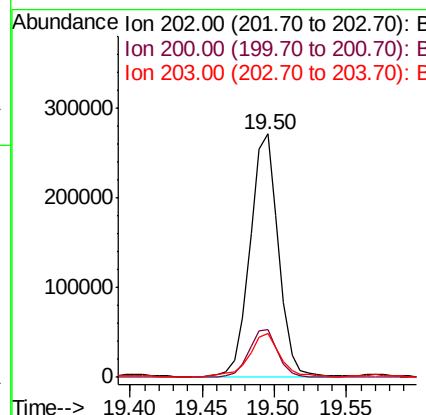
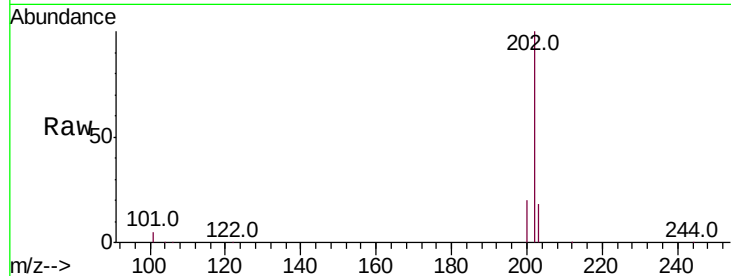
#28  
Pvrene  
Concen: 15.034 ng  
RT: 19.50 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 19.8  | 15.6       | 23.4  |
| 203     | 19.6  | 14.0       | 21.0  |

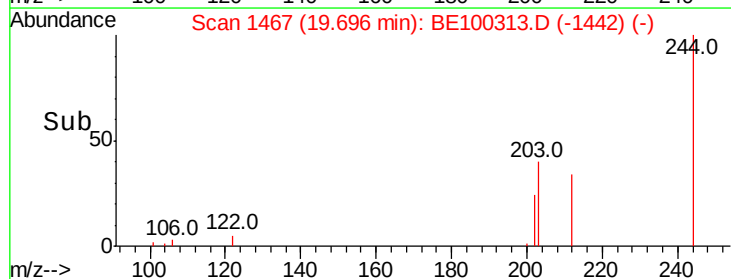
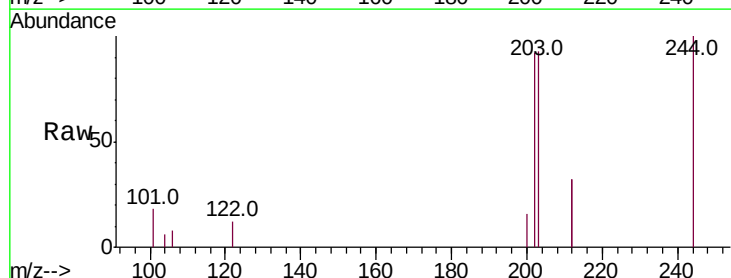
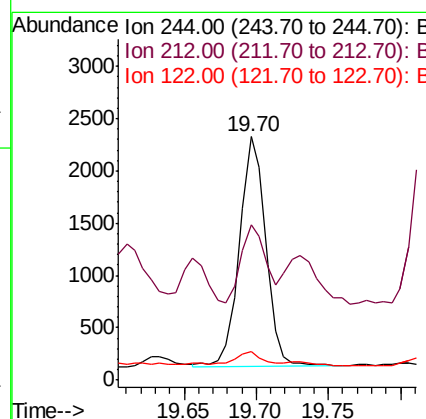
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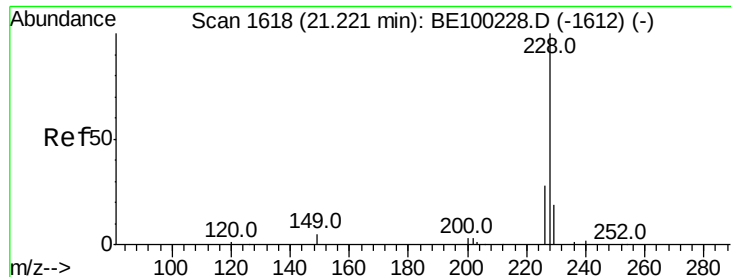
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#29  
Terphenyl-d14  
Concen: 0.146 ng  
RT: 19.70 min Scan# 1467  
Delta R.T. -0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 63.9  | 27.3       | 40.9# |
| 122     | 11.6  | 4.7        | 7.1#  |





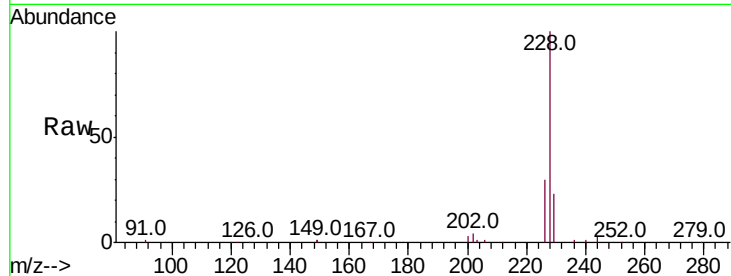
#30  
Benzo(a)anthracene  
Concen: 6.166 ng  
RT: 21.23 min Scan# 1619  
Delta R.T. 0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 23.2  | 34.8  |
| 229     | 23.5  | 15.7  | 23.5  |

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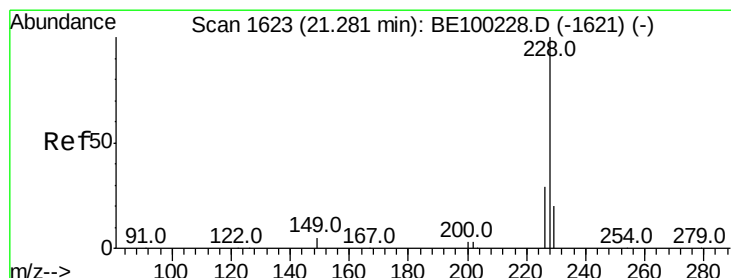
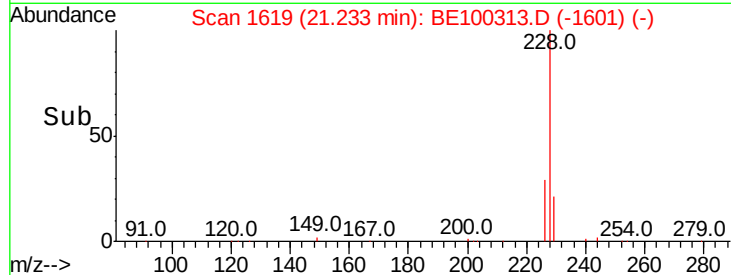
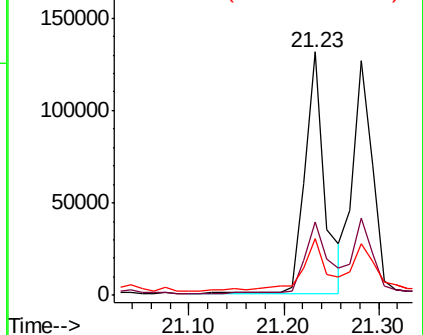


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31  
Chrysene  
Concen: 5.908 ng  
RT: 21.28 min Scan# 1623  
Delta R.T. 0.00 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

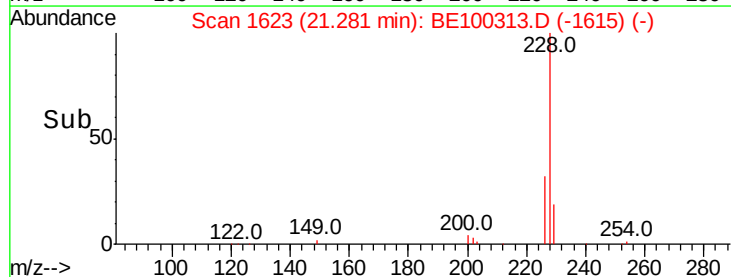
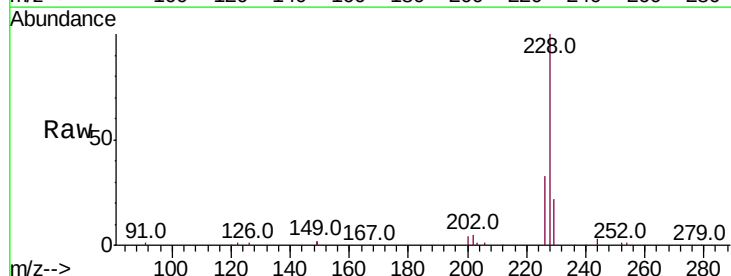
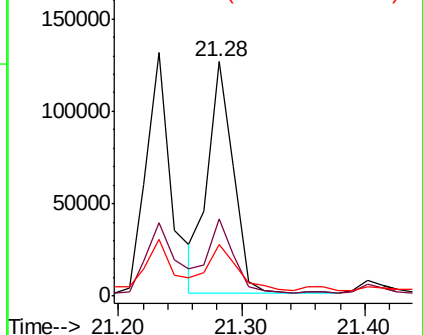
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.7  | 23.9  | 35.9  |
| 229     | 22.1  | 16.5  | 24.7  |

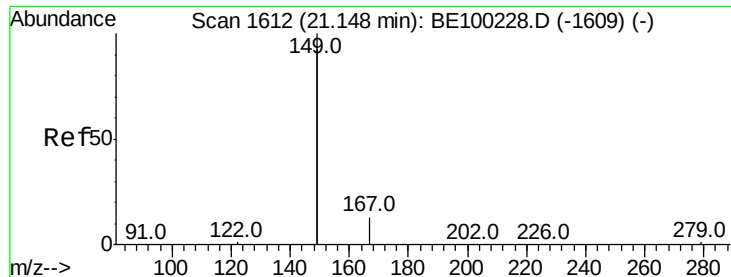
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.619 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

Instrument :

BNA\_E

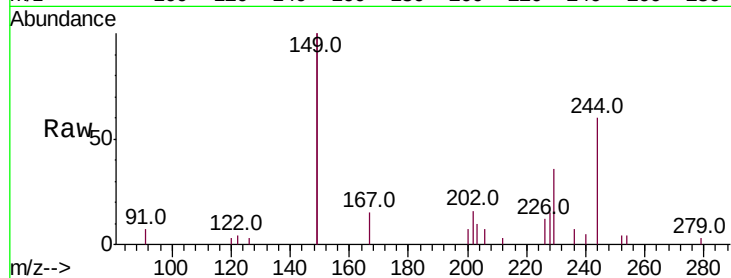
ClientSampleId :

EXT-001-SW077-061719

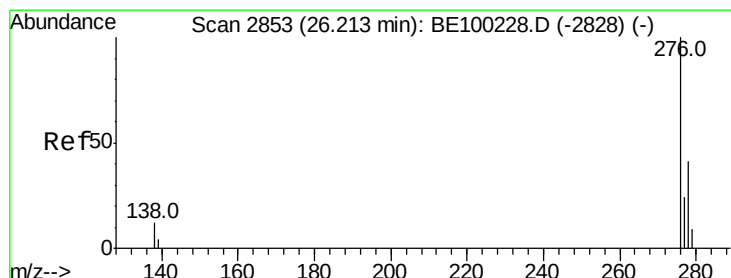
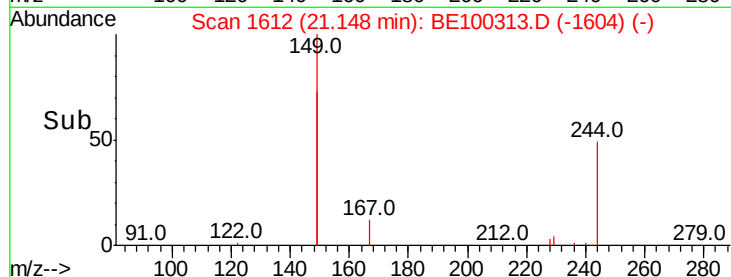
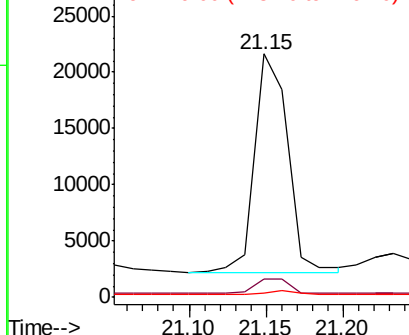
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 29225 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.0   | 5.8   | 8.8   |
| 279       | 1.4   | 1.1   | 1.7   |

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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: 3.144 ng

RT: 26.24 min Scan# 2860

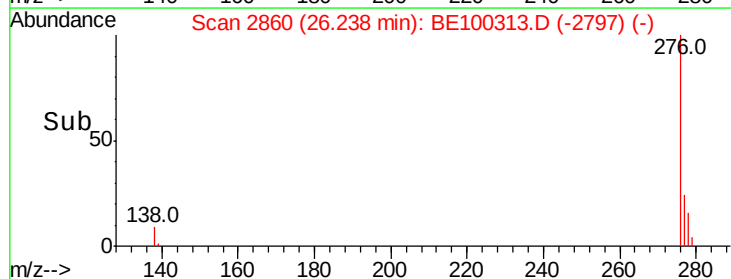
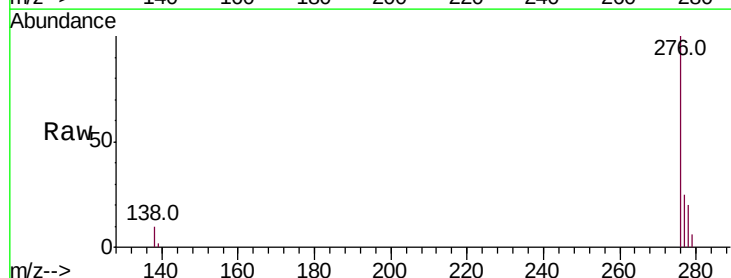
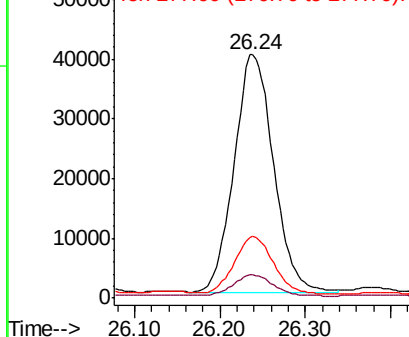
Delta R.T. 0.02 min

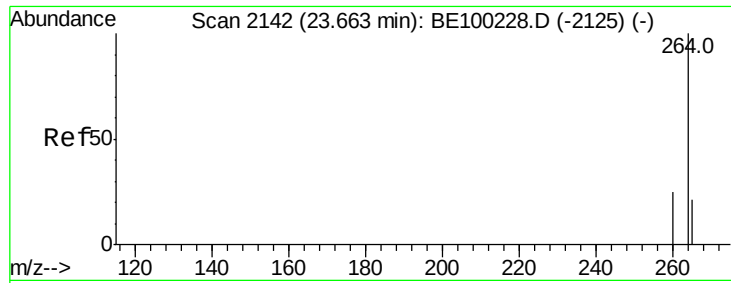
Lab File: BE100313.D

Acq: 2 Jul 2019 21:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 127545 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 8.9   | 9.4   | 14.0#  |
| 277       | 24.0  | 19.2  | 28.8   |

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





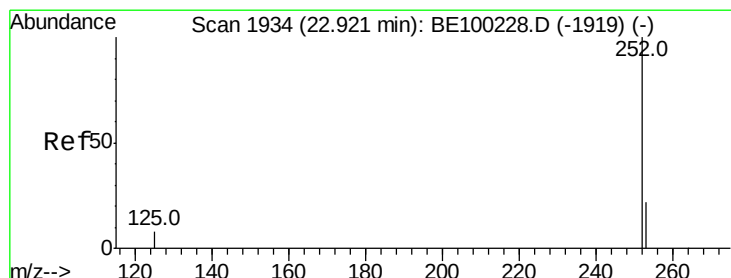
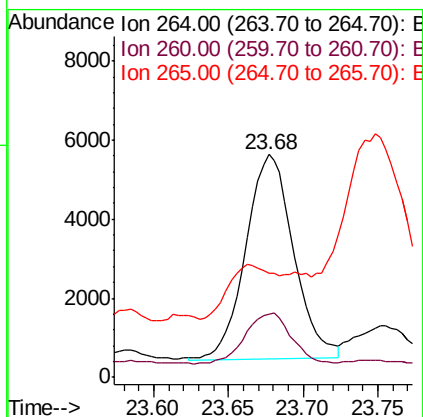
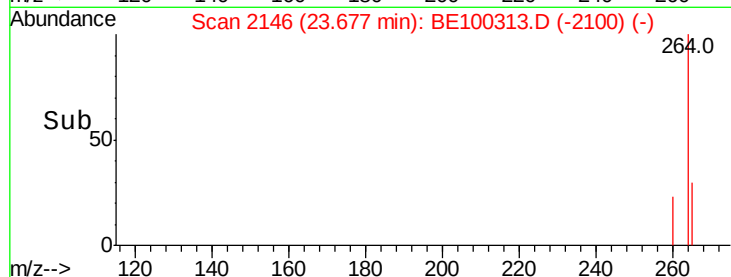
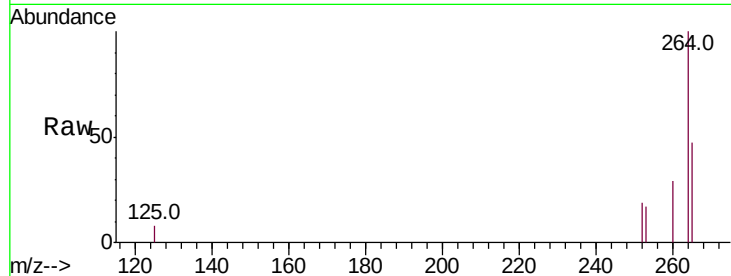
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.68 min Scan# 2146  
Delta R.T. 0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 28.5  | 20.8  | 31.2  |
| 265     | 46.9  | 21.8  | 32.6  |

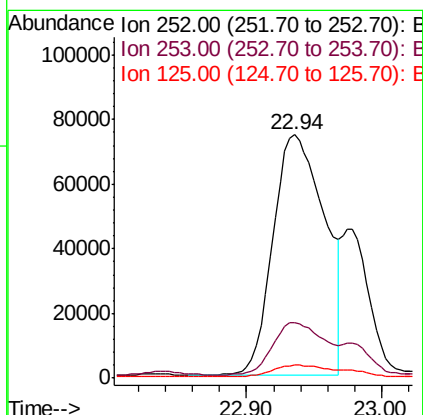
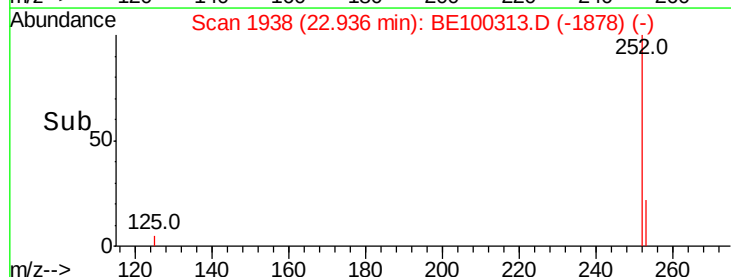
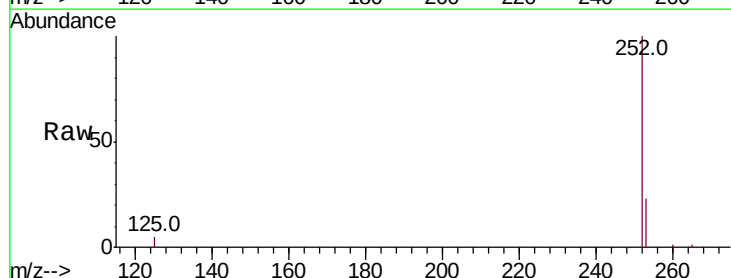
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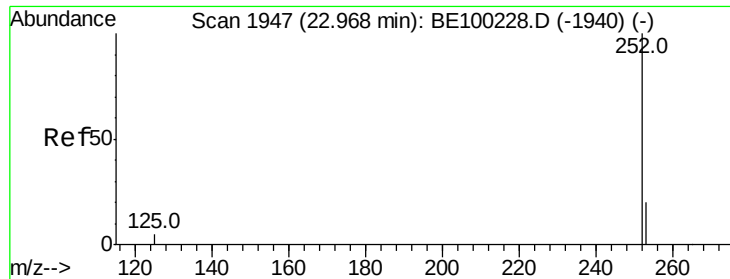


#35  
Benzo(b)fluoranthene  
Concen: 6.294 ng  
RT: 22.94 min Scan# 1938  
Delta R.T. 0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 19.2  | 28.8  |
| 125     | 5.2   | 7.4   | 11.0  |







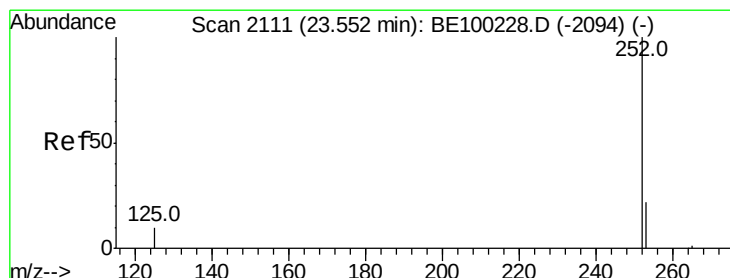
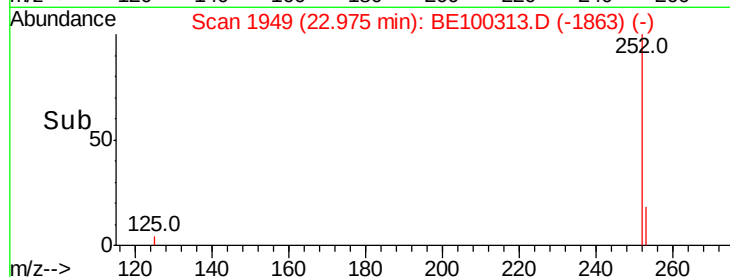
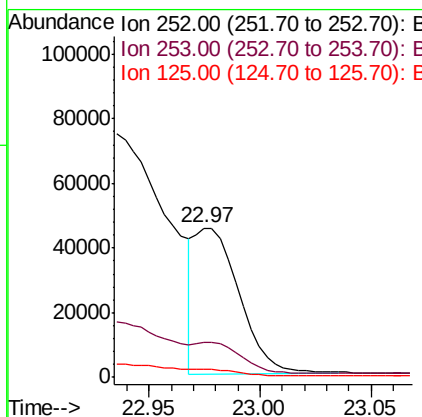
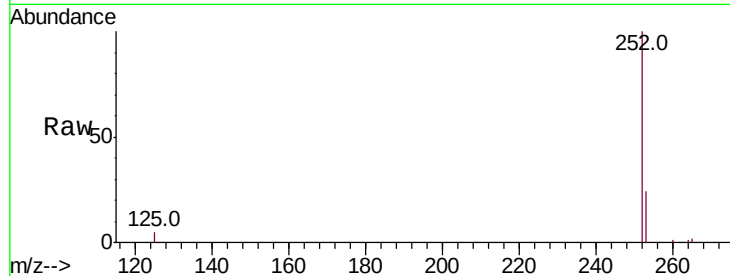
#36  
Benzo(k)fluoranthene  
Concen: 1.801 ng m  
RT: 22.97 min Scan# 1949  
Delta R.T. 0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

Tot Ion:252 Resp: 62968  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.9 26.9  
125 5.4 5.0 7.4

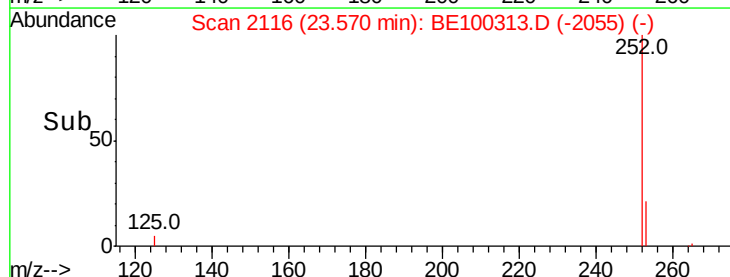
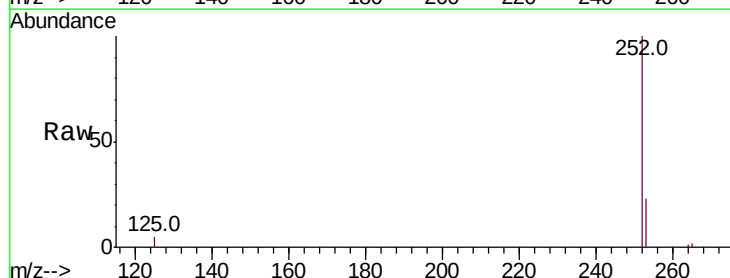
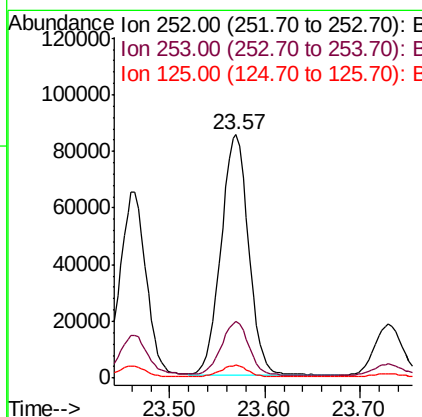
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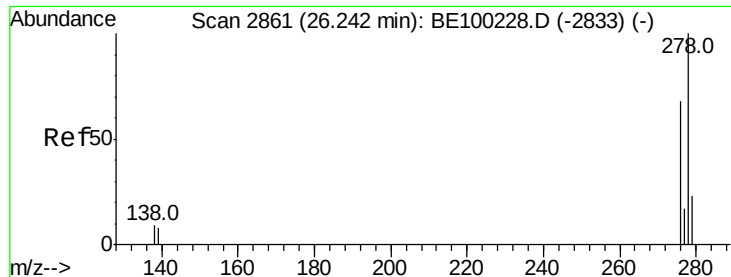
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#37  
Benzo(a)pyrene  
Concen: 5.426 ng  
RT: 23.57 min Scan# 2116  
Delta R.T. 0.02 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Tgt Ion:252 Resp: 170351  
Ion Ratio Lower Upper  
252 100  
253 23.2 19.6 29.4  
125 5.2 9.0 13.6#





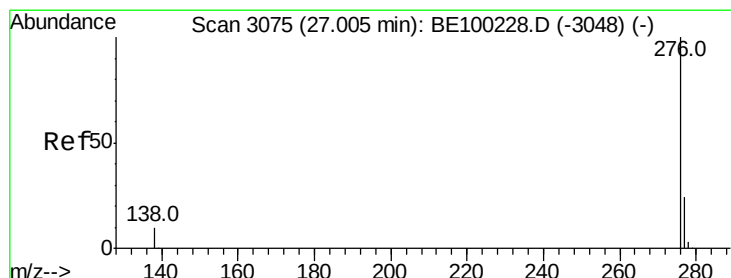
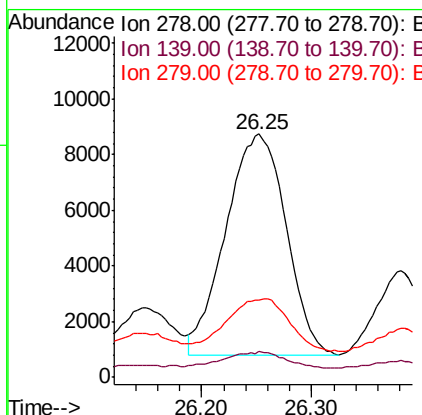
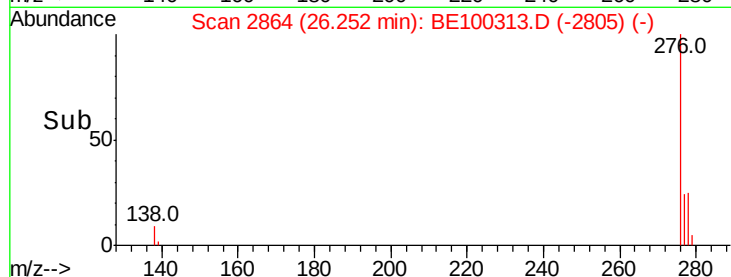
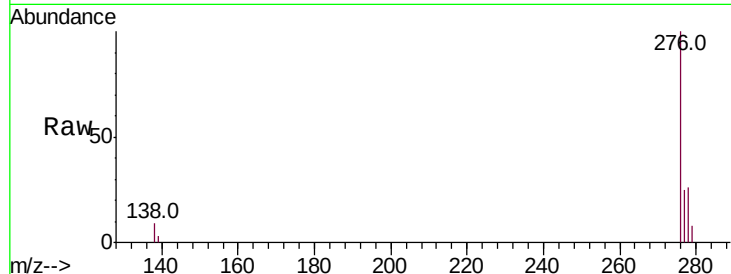
#38  
Dibenzo(a,h)anthracene  
Concen: 0.920 ng  
RT: 26.25 min Scan# 2864  
Delta R.T. 0.01 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-001-SW077-061719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.5  | 8.2   | 12.2  |
| 279     | 31.9  | 20.3  | 30.5  |

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#39  
Benzo(g,h,i)perylene  
Concen: 4.341 ng  
RT: 27.03 min Scan# 3083  
Delta R.T. 0.03 min  
Lab File: BE100313.D  
Acq: 2 Jul 2019 21:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.8  | 20.2  | 30.2  |
| 138     | 9.7   | 9.0   | 13.6  |

