

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\  
 Data File : BE100284.D  
 Acq On : 2 Jul 2019 3:34  
 Operator : JU/SJ  
 Sample : K3446-14  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-008-SW123-061819-1

Manual Integrations  
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mohammad  
 7/3/2019 10:52:53 PM

Quant Time: Jul 02 04:16:14 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 | 7.65  | 152  | 960      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 3214     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2513     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 6720     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12          | 21.24 | 240  | 9094     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.68 | 264  | 10260    | 0.40 | ng    | 0.02     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.23  | 112 | 799   | 0.33 | ng | 0.01  |
| 5) Phenol-d6                | 6.83  | 99  | 1084  | 0.34 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.81  | 82  | 1126  | 0.35 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 2164  | 0.36 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 680   | 0.39 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 3186  | 0.33 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 31335 | 0.32 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 7322  | 0.39 | ng | 0.00  |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 9) Naphthalene                 | 10.49 | 128 | 8436   | 0.238  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 1260   | 0.203  | ng | 97   |
| 16) Acenaphthylene             | 14.04 | 152 | 6257   | 0.519  | ng | 98   |
| 17) Acenaphthene               | 14.38 | 154 | 1451   | 0.212  | ng | 97   |
| 18) Fluorene                   | 15.35 | 166 | 3298   | 0.326  | ng | # 94 |
| 23) Phenanthrene               | 17.11 | 178 | 91434  | 5.614  | ng | 99   |
| 24) Anthracene                 | 17.19 | 178 | 13944  | 0.951  | ng | # 94 |
| 26) Fluoranthene               | 19.13 | 202 | 211143 | 8.139  | ng | 99   |
| 28) Pyrene                     | 19.49 | 202 | 202835 | 8.425  | ng | # 96 |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 124925 | 4.178  | ng | 97   |
| 31) Chrysene                   | 21.28 | 228 | 117503 | 3.913  | ng | 95   |
| 32) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 258551 | 6.060  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.25 | 276 | 70733  | 1.781  | ng | # 95 |
| 35) Benzo(b)fluoranthene       | 22.94 | 252 | 152687 | 5.489  | ng | # 98 |
| 36) Benzo(k)fluoranthene       | 22.98 | 252 | 52837m | 1.702  | ng |      |
| 37) Benzo(a)pyrene             | 23.57 | 252 | 106325 | 3.814  | ng | # 96 |
| 38) Dibenzo(a,h)anthracene     | 26.26 | 278 | 17258  | 0.593  | ng | # 82 |
| 39) Benzo(a,h,i)perylene       | 27.04 | 276 | 67994  | 2.273  | ng | 97   |

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

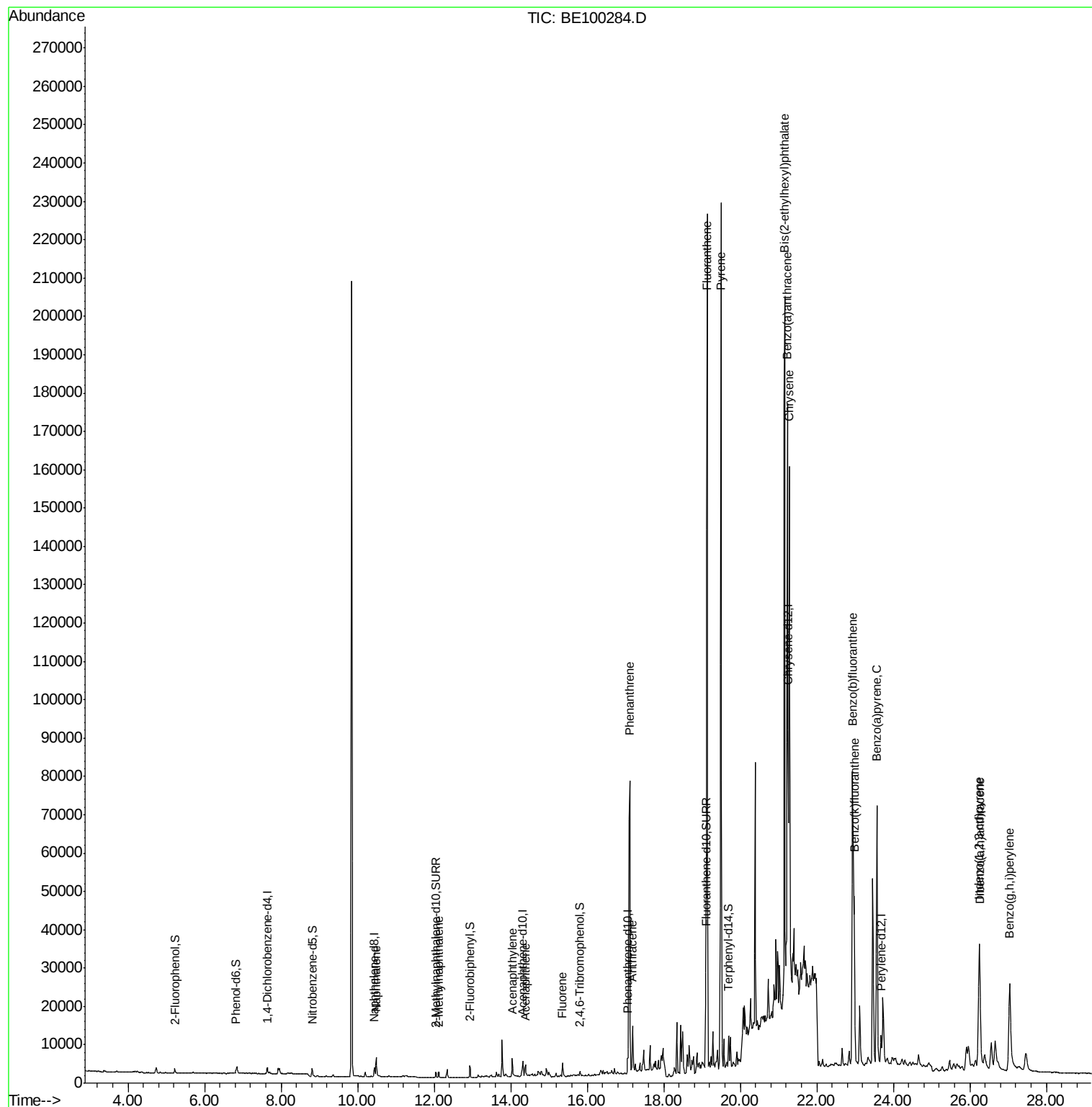
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\  
Data File : BE100284.D  
Acq On : 2 Jul 2019 3:34  
Operator : JU/SJ  
Sample : K3446-14  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

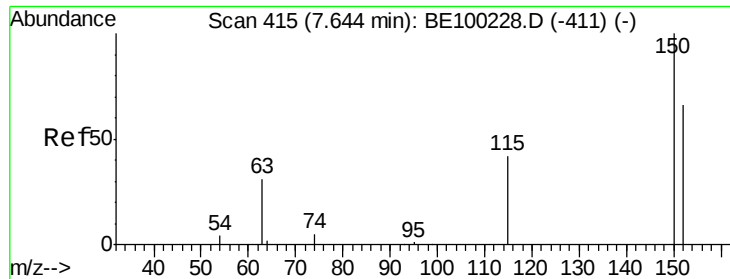
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW123-061819-1

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Quant Time: Jul 02 04:16:14 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





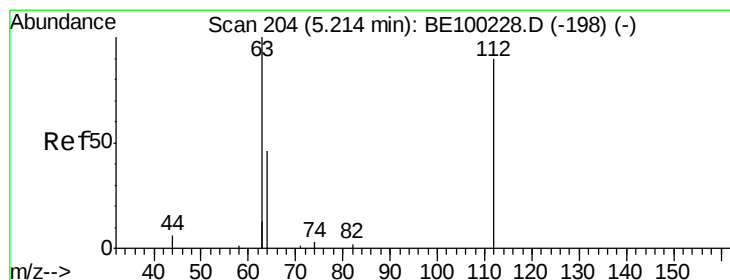
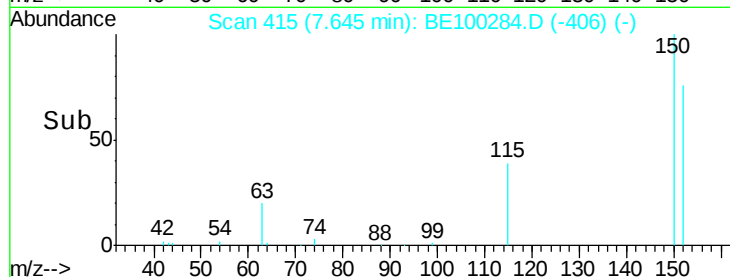
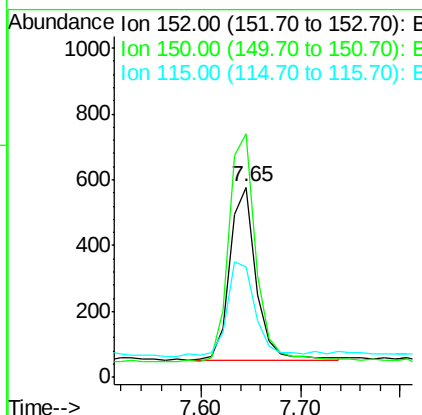
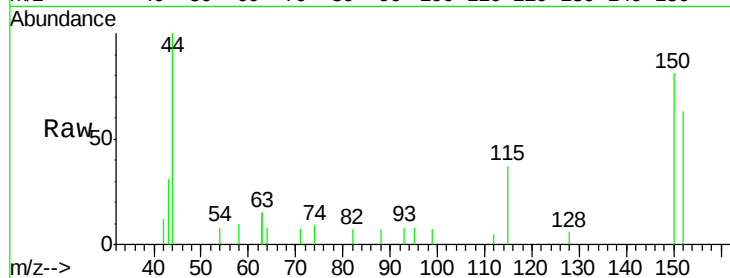
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.65 min Scan# 415  
 Delta R.T. 0.00 min  
 Lab File: BE100284.D  
 Acq: 2 Jul 2019 3:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-008-SW123-061819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 128.1 | 114.5 | 171.7 |
| 115     | 58.4  | 57.1  | 85.7  |

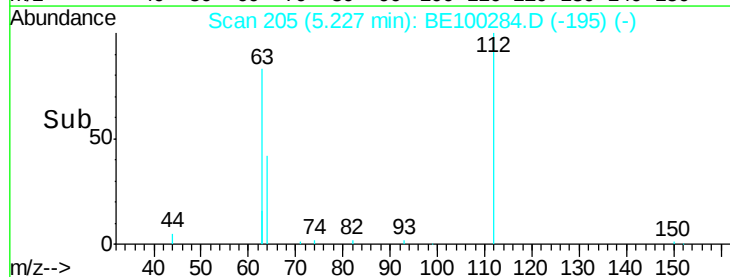
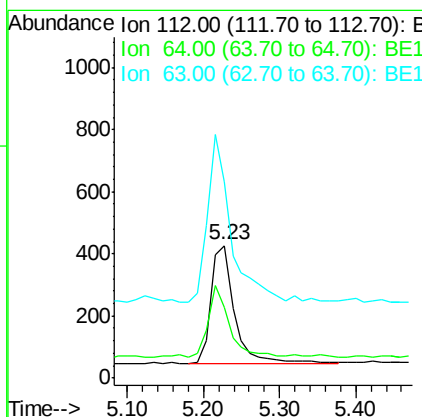
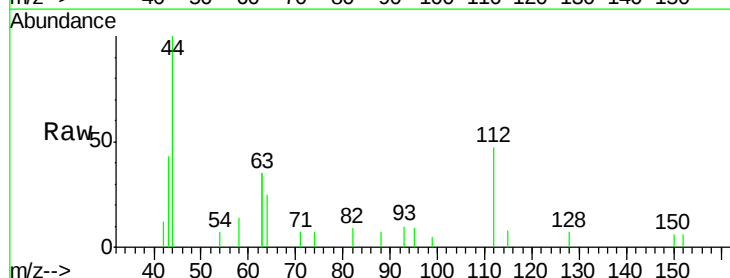
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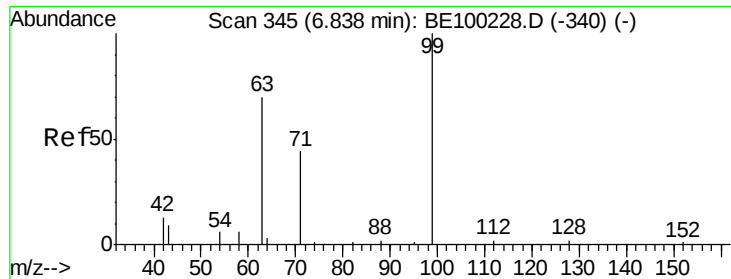
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#4  
 2-Fluorophenol  
 Concen: 0.326 ng  
 RT: 5.23 min Scan# 205  
 Delta R.T. 0.01 min  
 Lab File: BE100284.D  
 Acq: 2 Jul 2019 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.8  | 39.4  | 59.0  |
| 63      | 140.8 | 104.5 | 156.7 |





#5

Phenol-d6

Concen: 0.337 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

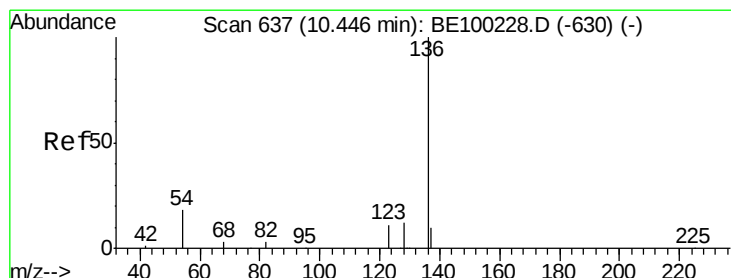
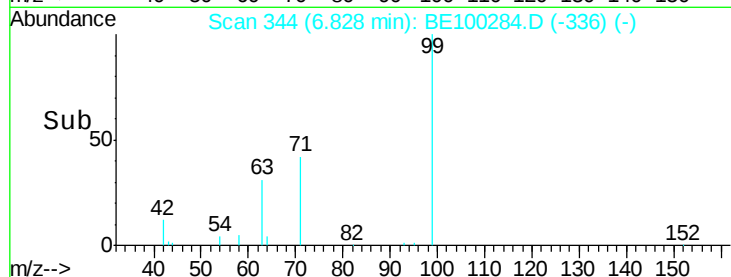
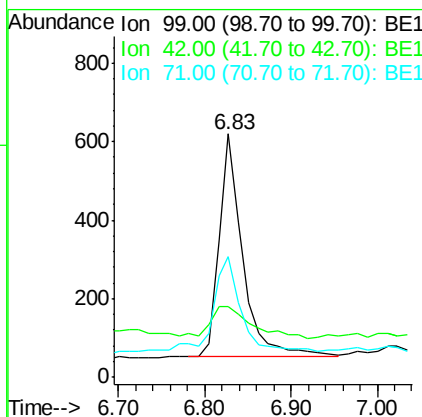
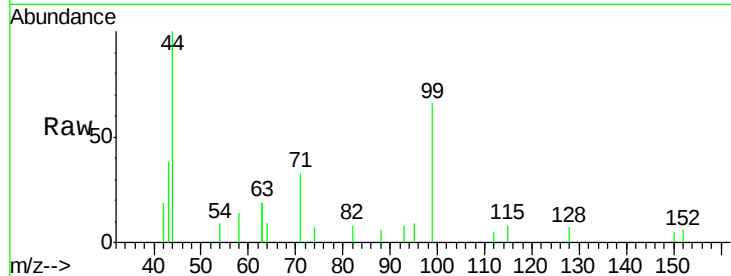
ClientSampleId :

EXT-008-SW123-061819-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1084  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 24.1  | 11.2  | 16.8# |
| 71       | 47.6  | 37.2  | 55.8  |

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#7

Naphthalene-d8

Concen: 0.400 ng

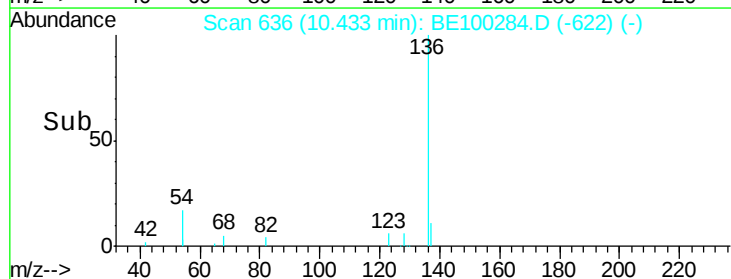
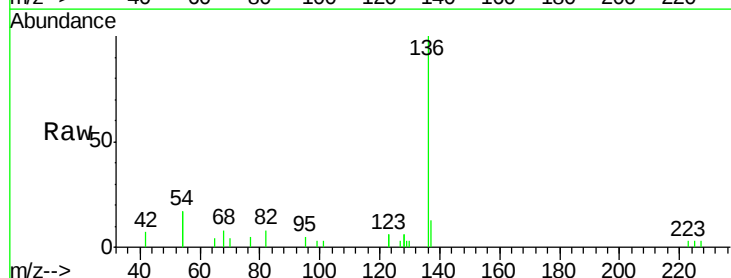
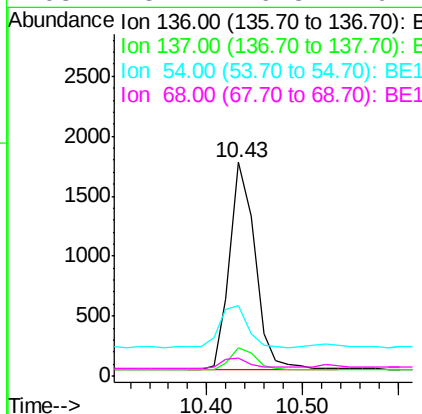
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 3214  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.1  | 11.8  | 17.8  |
| 54       | 33.2  | 27.7  | 41.5  |
| 68       | 8.4   | 6.8   | 10.2  |





#8

Nitrobenzene-d5

Concen: 0.353 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

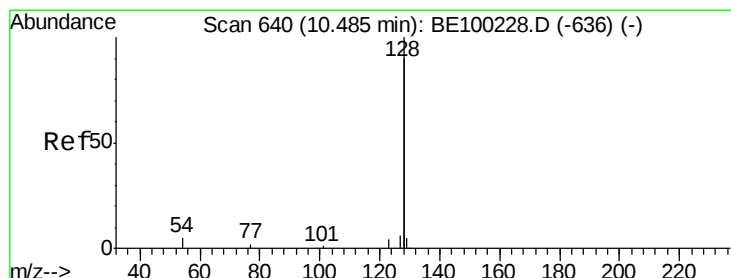
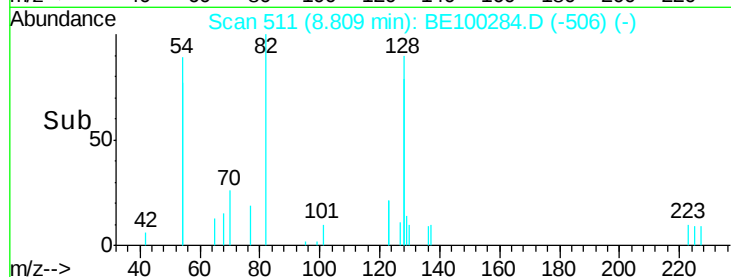
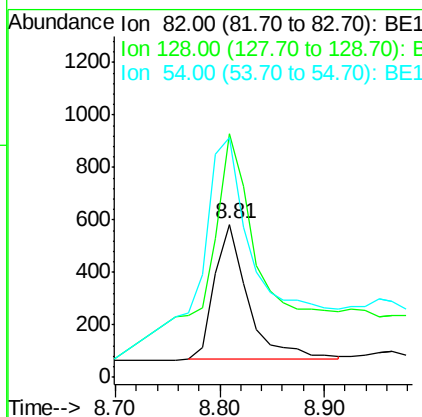
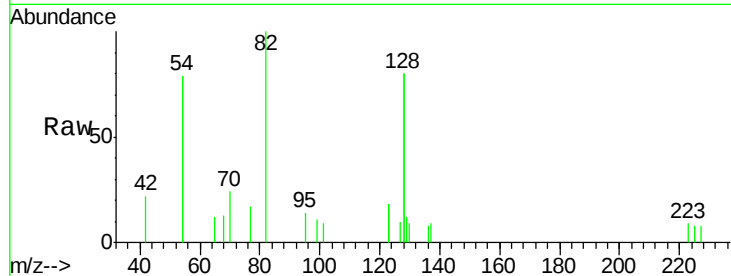
ClientSampleId :

EXT-008-SW123-061819-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 1126  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 159.5 | 140.9 | 211.3 |
| 54       | 157.4 | 146.2 | 219.2 |

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#9

Naphthalene

Concen: 0.238 ng

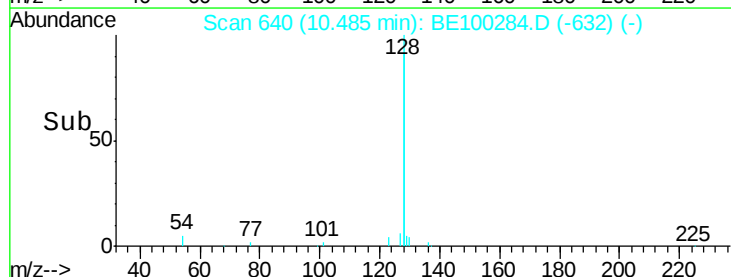
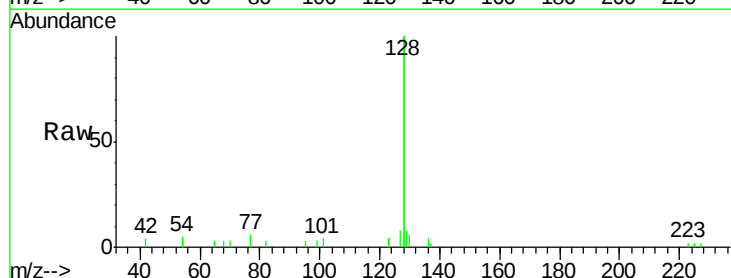
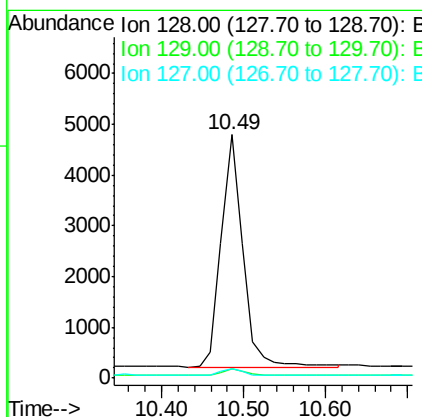
RT: 10.49 min Scan# 640

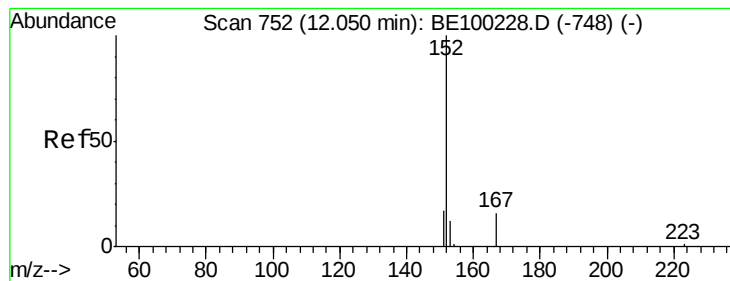
Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 8436  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 3.9   | 3.0   | 4.6   |
| 127      | 4.0   | 3.5   | 5.3   |





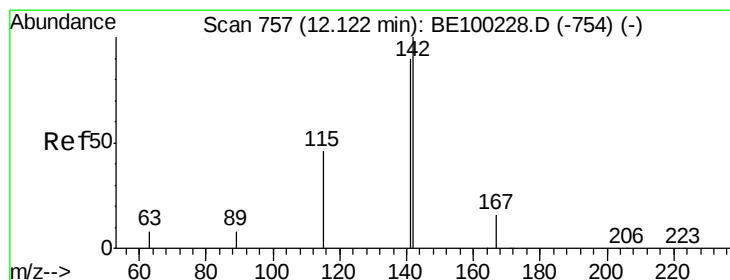
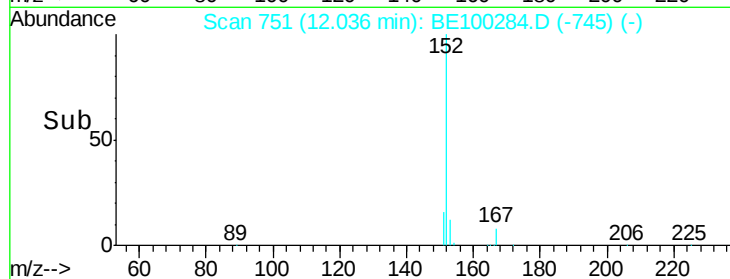
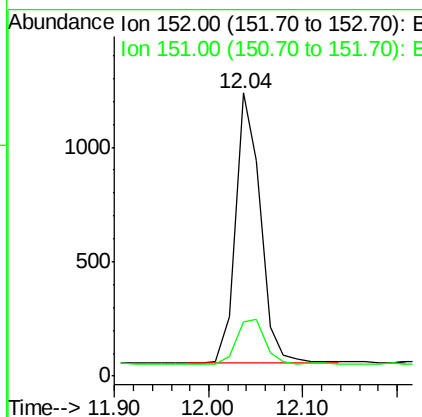
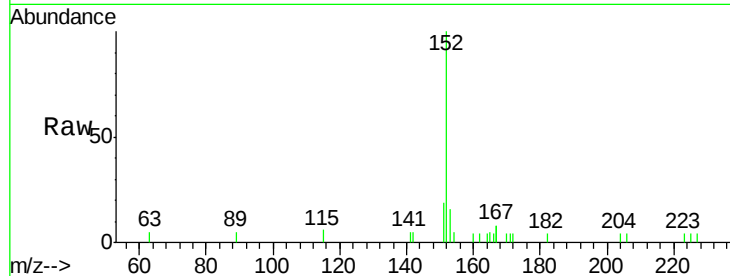
#11  
2-Methylnaphthalene-d10  
Concen: 0.358 ng  
RT: 12.04 min Scan# 751  
Delta R.T. -0.01 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW123-061819-1

Tot Ion:152 Resp: 2164  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.1 22.7

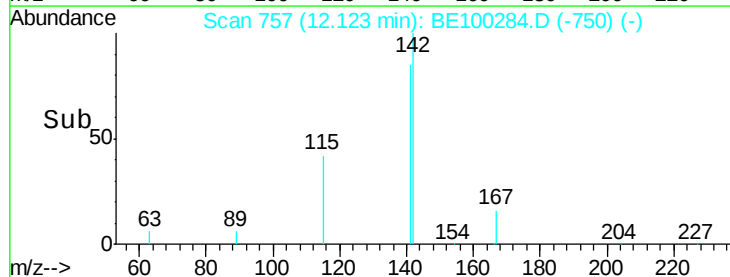
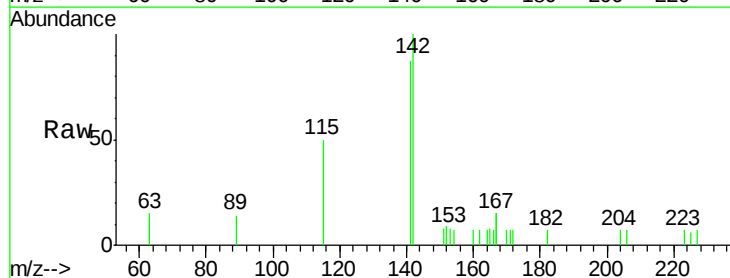
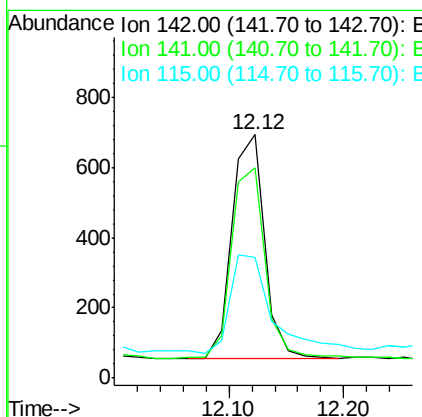
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#12  
2-Methylnaphthalene  
Concen: 0.203 ng  
RT: 12.12 min Scan# 757  
Delta R.T. 0.00 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

Tgt Ion:142 Resp: 1260  
Ion Ratio Lower Upper  
142 100  
141 86.6 72.4 108.6  
115 49.6 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: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

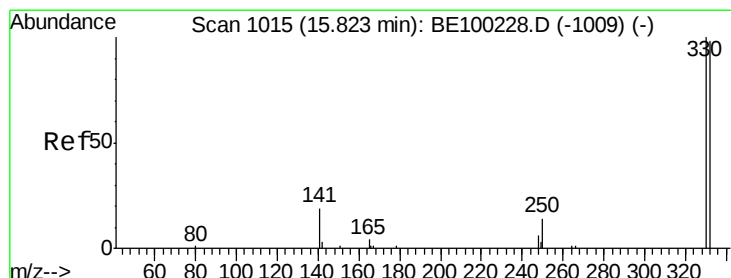
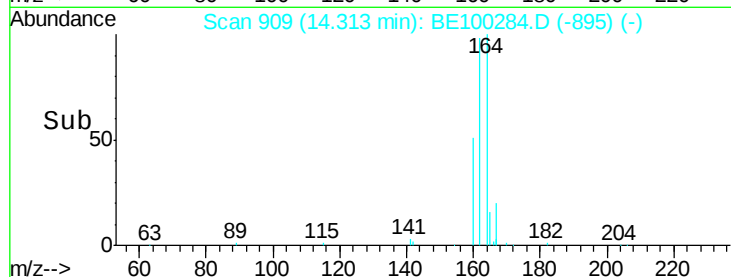
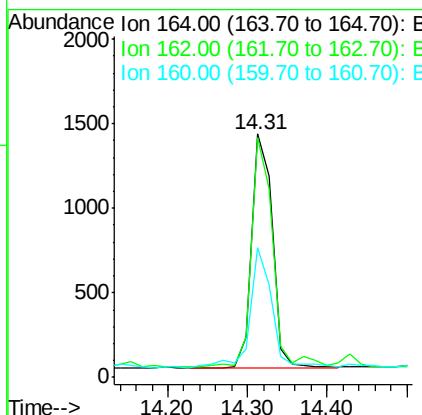
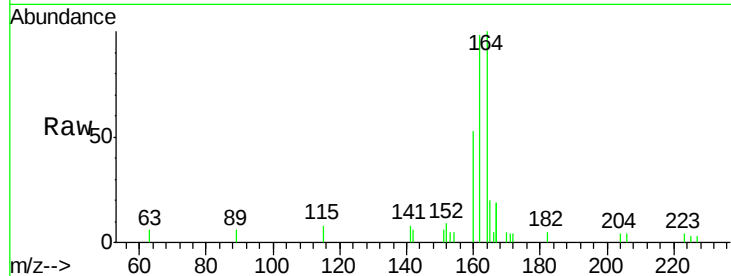
ClientSampleId :

EXT-008-SW123-061819-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 2513  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 98.4  | 83.4  | 125.0 |
| 160      | 53.1  | 45.0  | 67.6  |

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#14

2,4,6-Tribromophenol

Concen: 0.387 ng

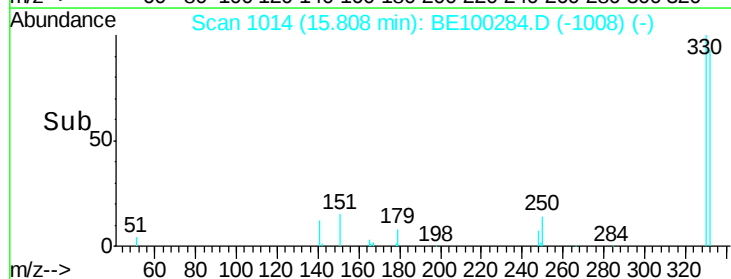
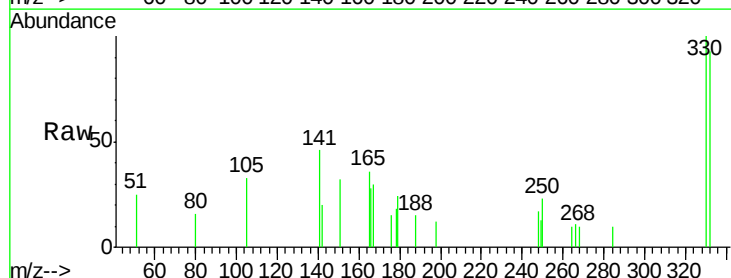
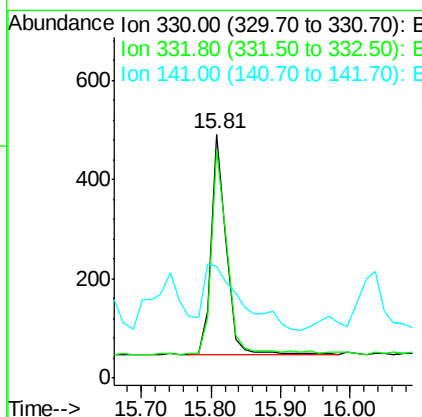
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 680   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 97.8  | 77.0  | 115.4 |
| 141      | 71.3  | 22.0  | 33.0# |





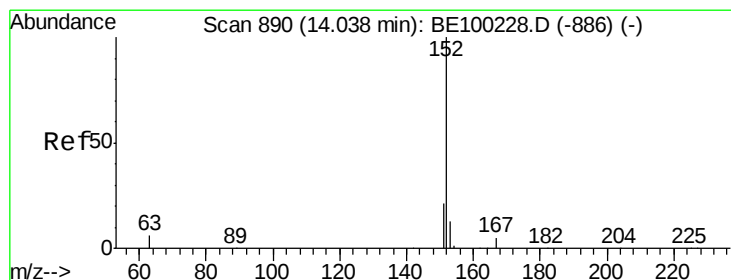
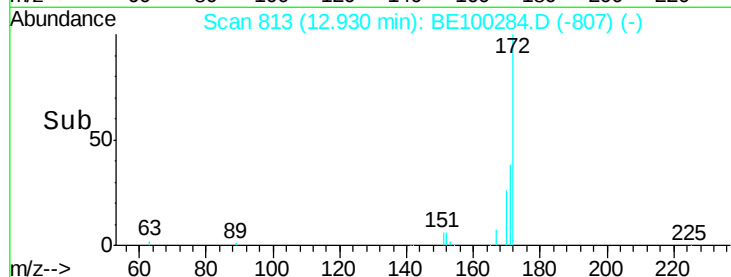
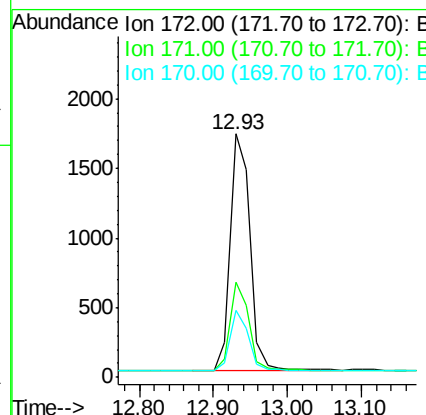
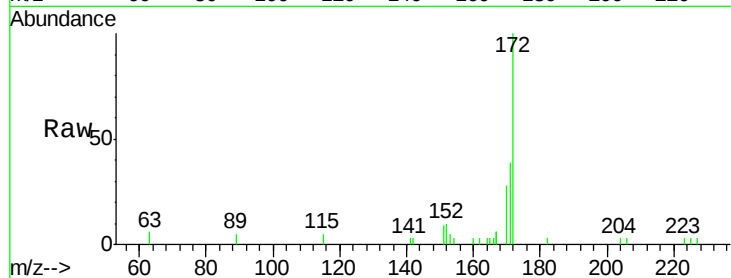
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2-Fluorobiphenyl  
Concen: 0.325 ng  
RT: 12.93 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW123-061819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.2  | 31.9  | 47.9  |
| 170     | 27.7  | 22.2  | 33.2  |

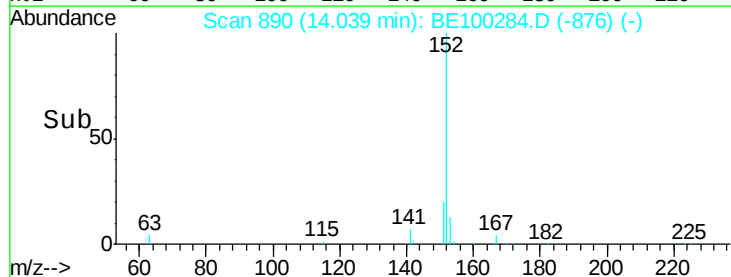
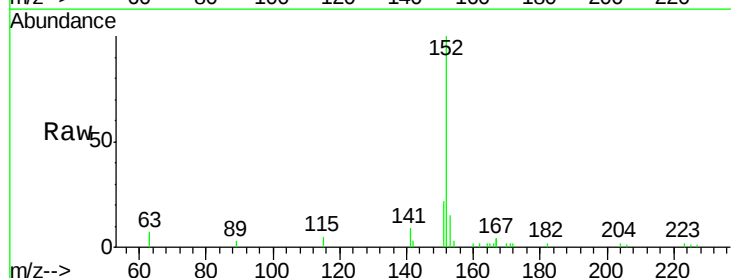
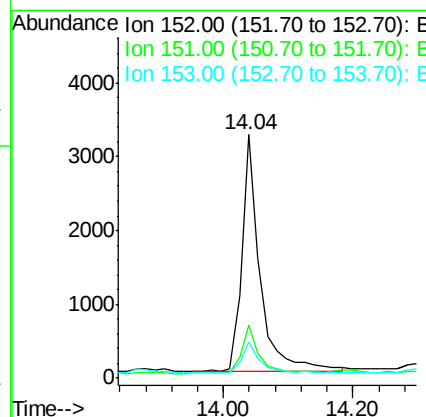
Manual Integrations  
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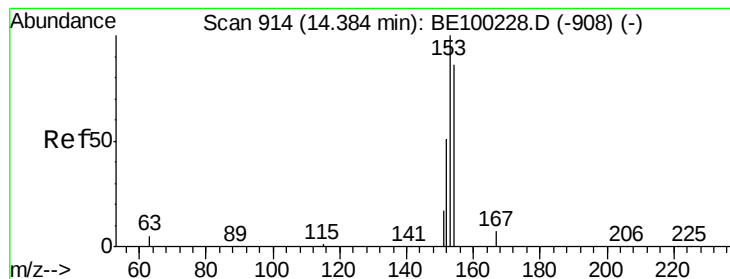
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#16  
Acenaphthylene  
Concen: 0.519 ng  
RT: 14.04 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 16.6  | 25.0  |
| 153     | 13.6  | 10.5  | 15.7  |





#17

Acenaphthene

Concen: 0.212 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

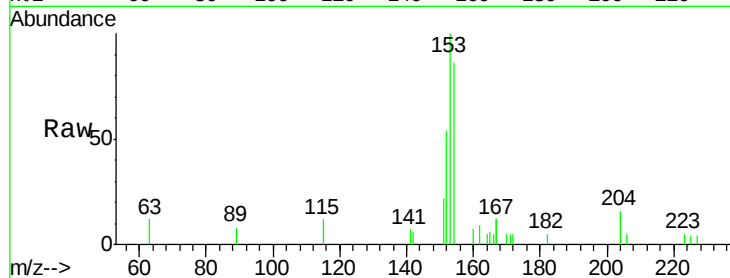
ClientSampleId :

EXT-008-SW123-061819-1

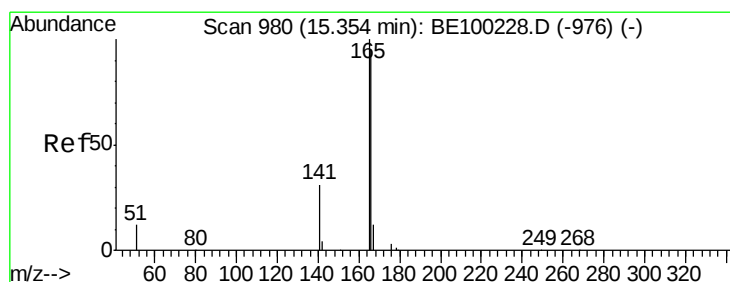
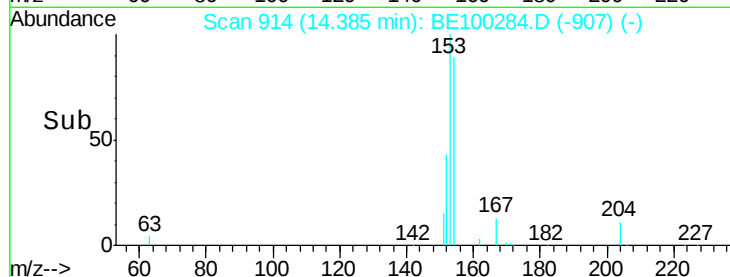
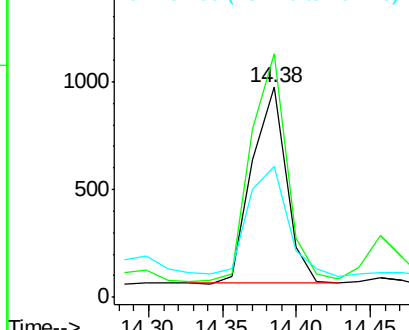
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 1451  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 121.6 | 93.4  | 140.2 |
| 152       | 62.3  | 49.4  | 74.2  |

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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: 0.326 ng

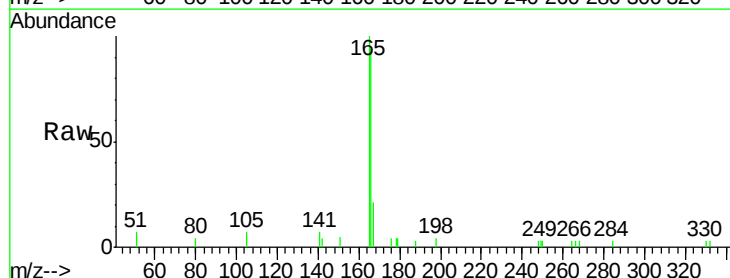
RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

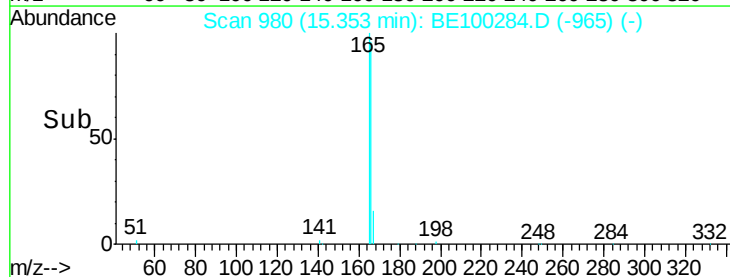
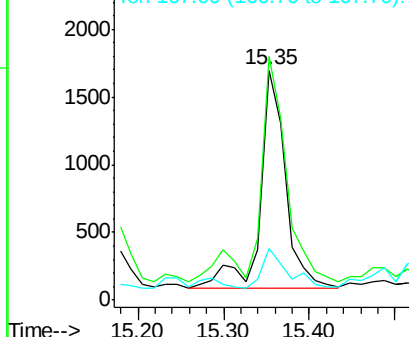
Lab File: BE100284.D

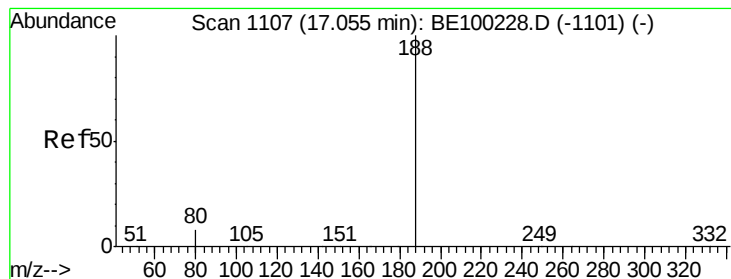
Acq: 2 Jul 2019 3:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 3298  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 95.7  | 81.1  | 121.7 |
| 167       | 17.9  | 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: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

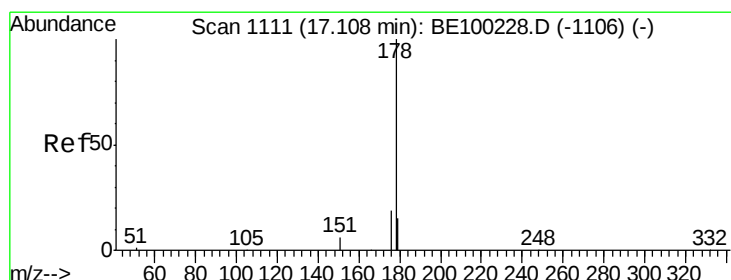
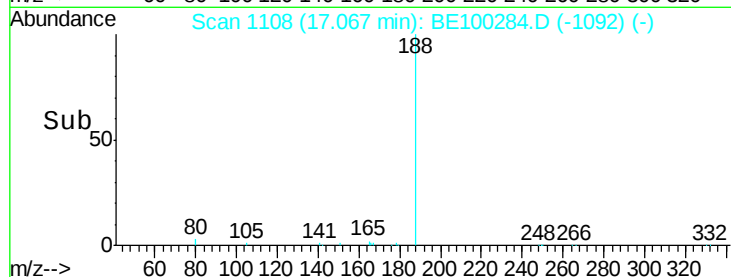
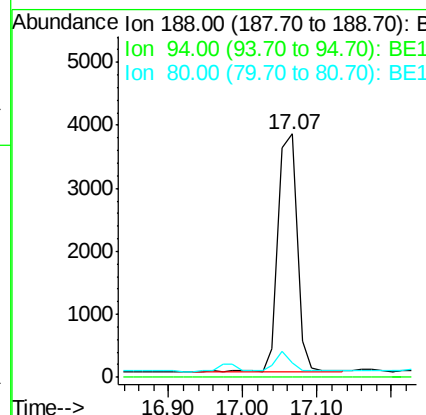
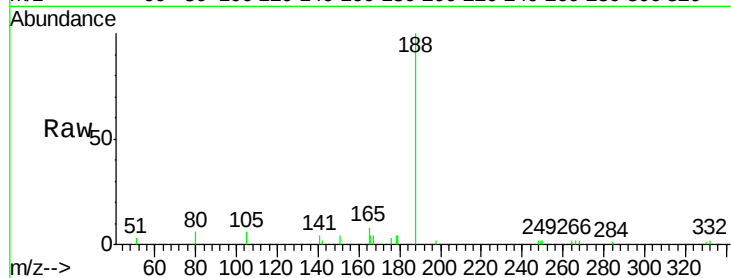
ClientSampleId :

EXT-008-SW123-061819-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 6720  |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 5.7   | 7.6   | 11.4# |

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#23

Phenanthrene

Concen: 5.614 ng

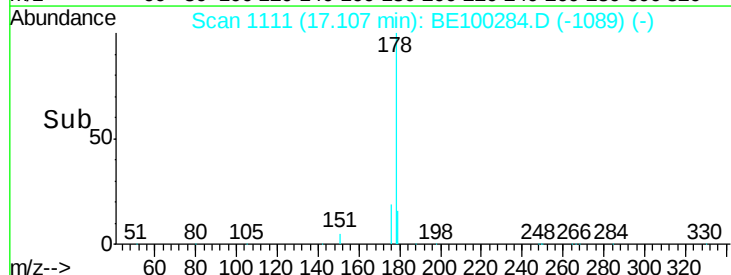
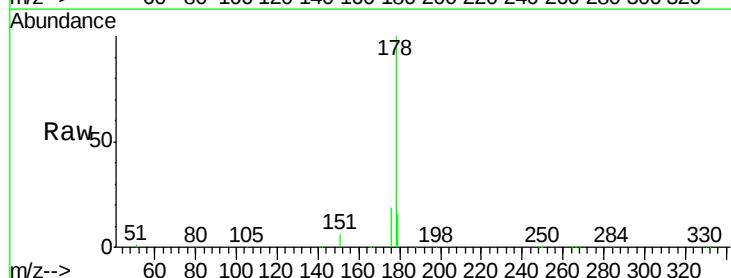
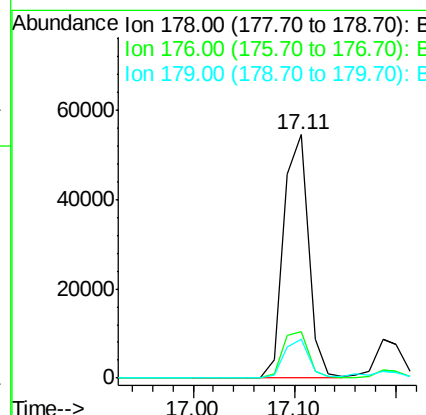
RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 91434 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.6  | 15.9  | 23.9  |
| 179       | 15.5  | 12.2  | 18.2  |





#24

Anthracene

Concen: 0.951 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

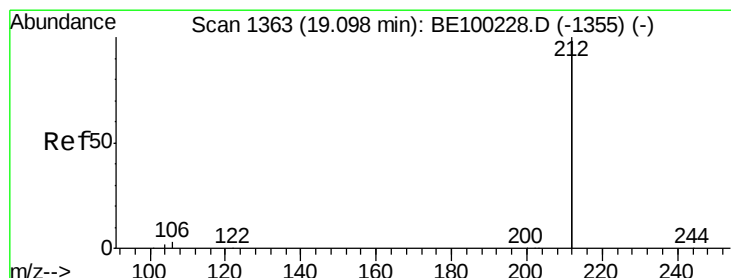
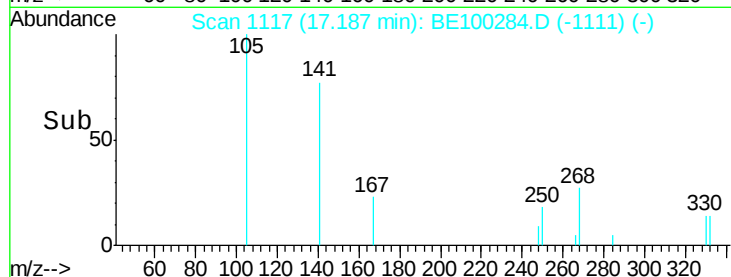
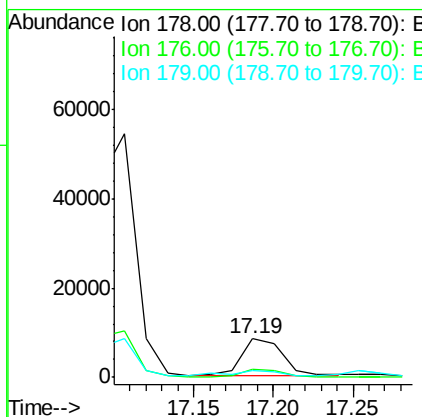
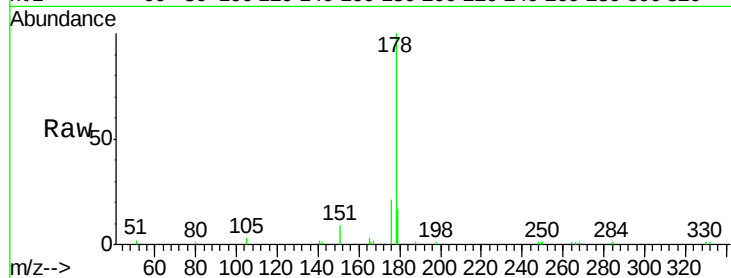
ClientSampleId :

EXT-008-SW123-061819-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 13944 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 20.4  | 15.3  | 22.9  |
| 179       | 19.4  | 12.2  | 18.2  |

Manual Integrations  
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#25

Fluoranthene-d10

Concen: 0.321 ng

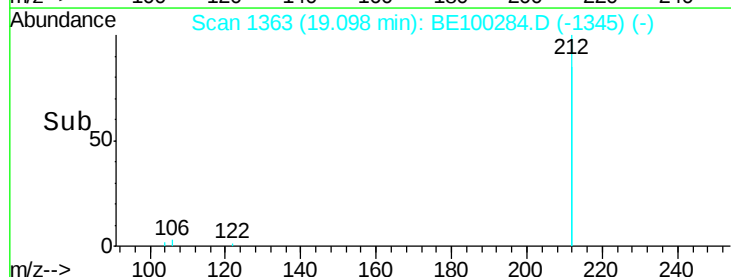
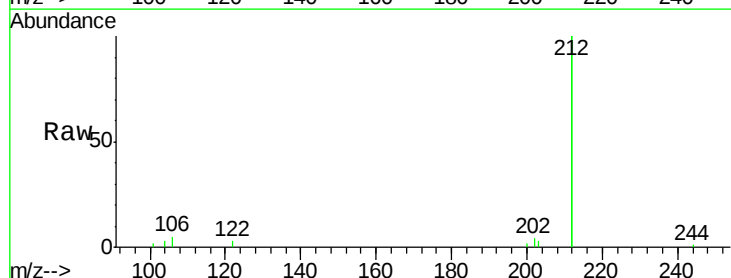
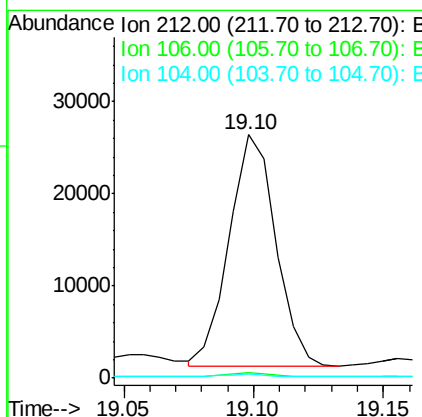
RT: 19.10 min Scan# 1363

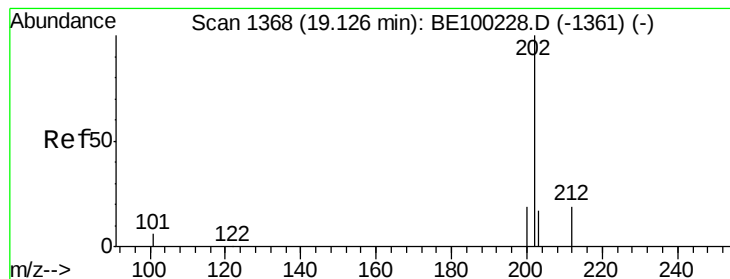
Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 31335 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.1   | 1.3   | 1.9   |
| 104       | 0.9   | 0.8   | 1.2   |





#26

Fluoranthene

Concen: 8.139 ng

RT: 19.13 min Scan# 1369

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

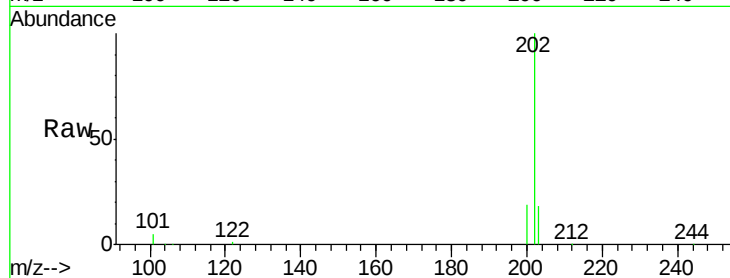
ClientSampleId :

EXT-008-SW123-061819-1

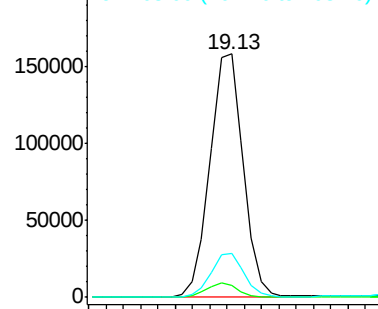
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 211143 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 5.6   | 4.6   | 7.0    |
| 203       | 17.6  | 13.7  | 20.5   |

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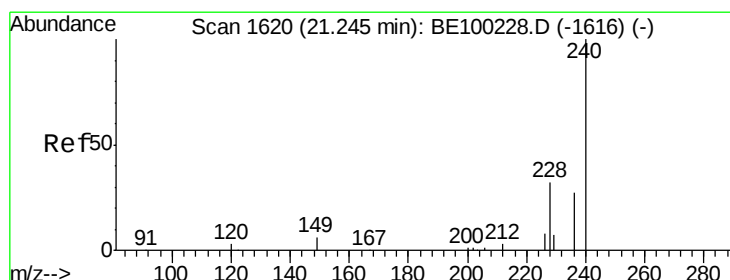
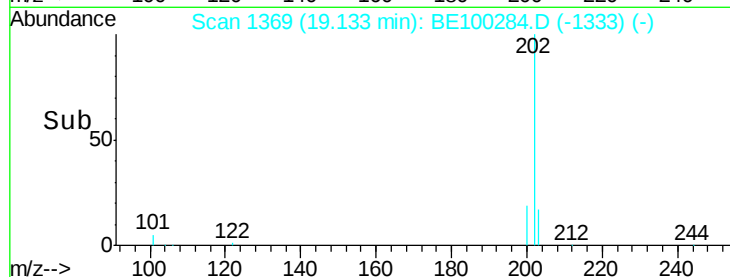
mohammad  
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



Time--> 19.05 19.10 19.15 19.20



#27

Chrysene-d12

Concen: 0.400 ng

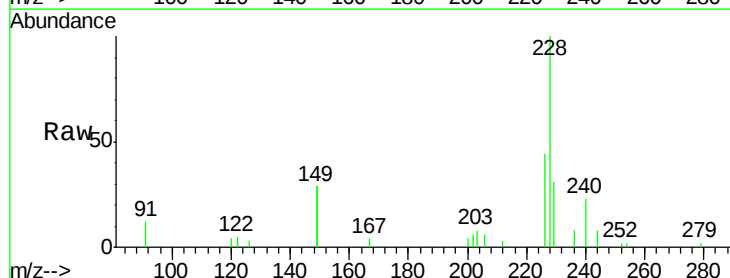
RT: 21.24 min Scan# 1620

Delta R.T. 0.00 min

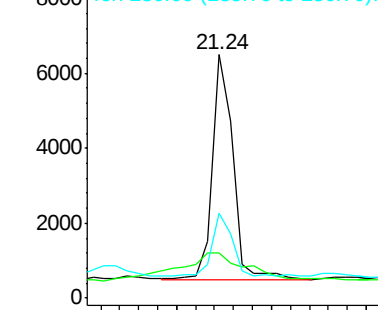
Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

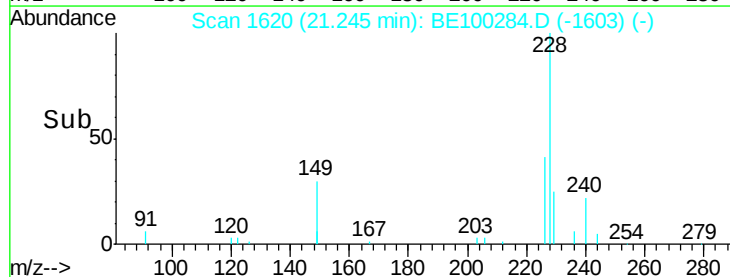
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 9094  |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 18.5  | 3.3   | 4.9#  |
| 236       | 34.8  | 22.6  | 34.0# |

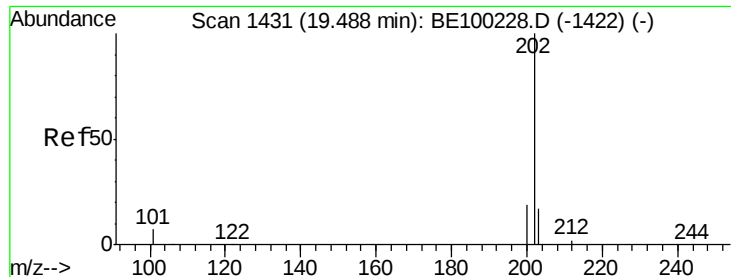


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



Time--> 21.20 21.30





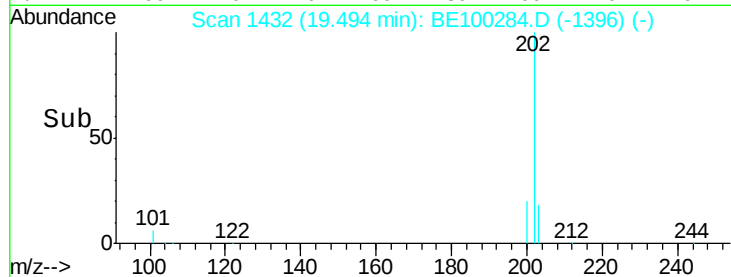
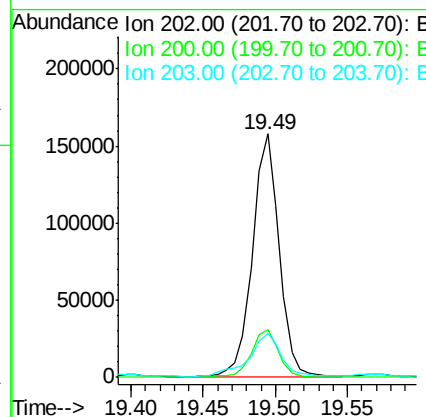
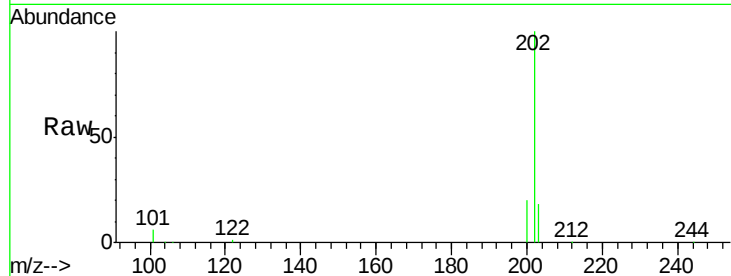
#28  
Pvrene  
Concen: 8.425 ng  
RT: 19.49 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW123-061819-1

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

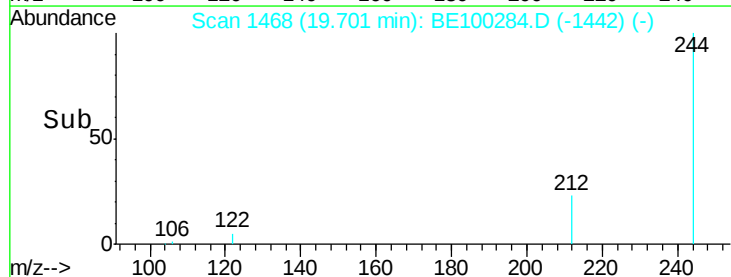
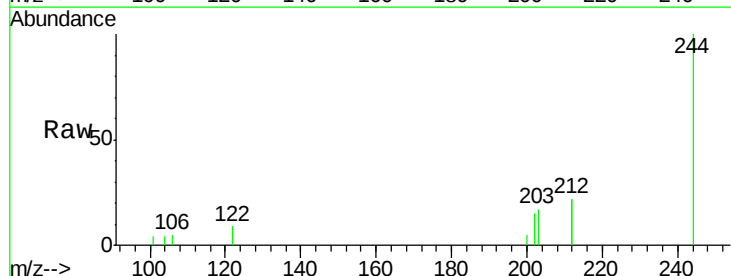
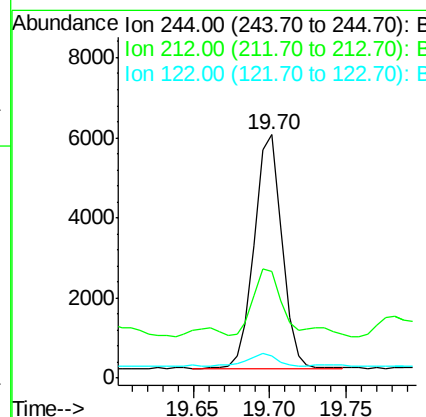
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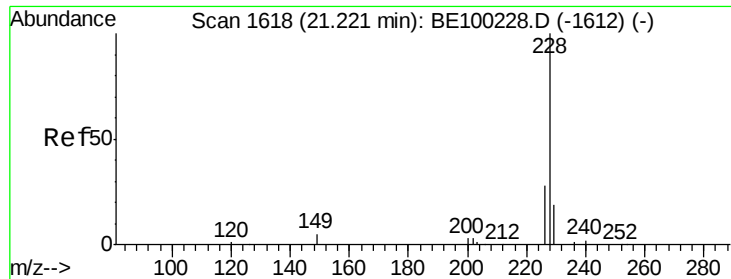
mohammad  
7/3/2019 10:52:53 PM



#29  
Terphenyl-d14  
Concen: 0.388 ng  
RT: 19.70 min Scan# 1468  
Delta R.T. 0.00 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 43.7  | 27.3       | 40.9#      |
| 122     | 9.2   | 4.7        | 7.1#       |





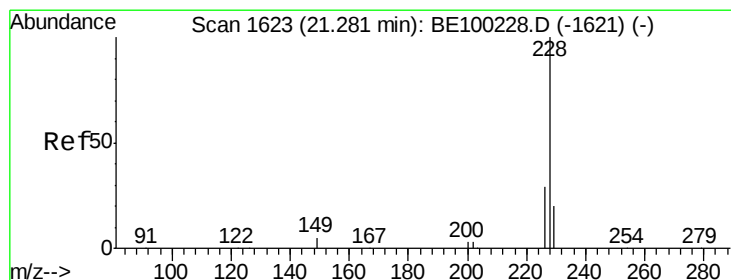
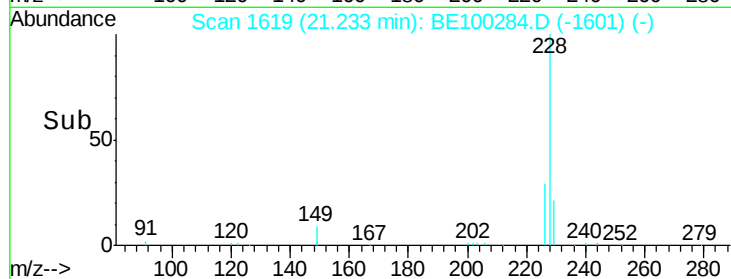
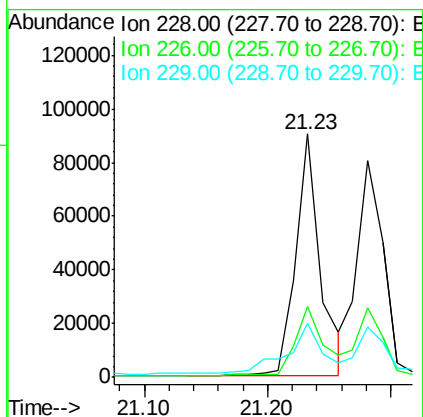
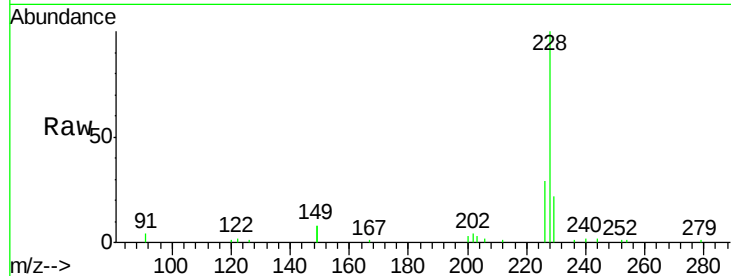
#30  
Benzo(a)anthracene  
Concen: 4.178 ng  
RT: 21.23 min Scan# 1619  
Delta R.T. 0.01 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW123-061819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.3  | 23.2  | 34.8  |
| 229     | 22.3  | 15.7  | 23.5  |

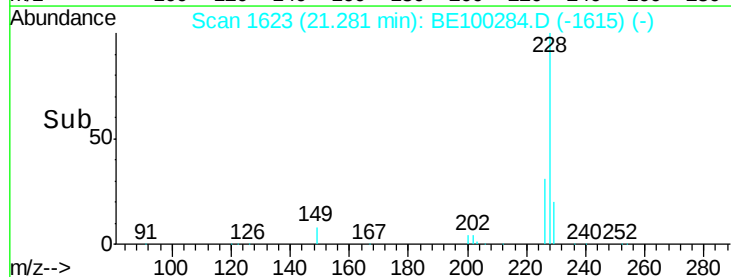
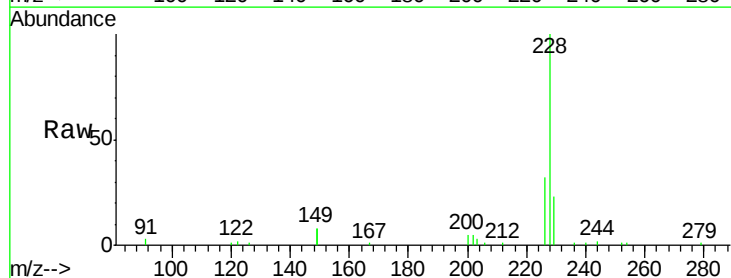
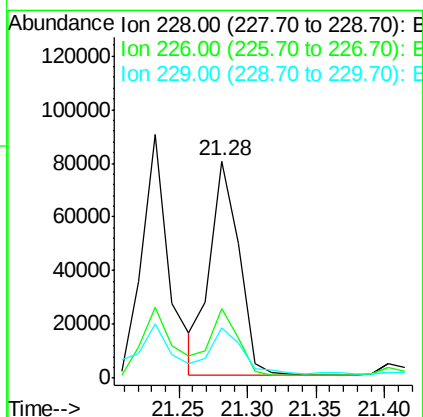
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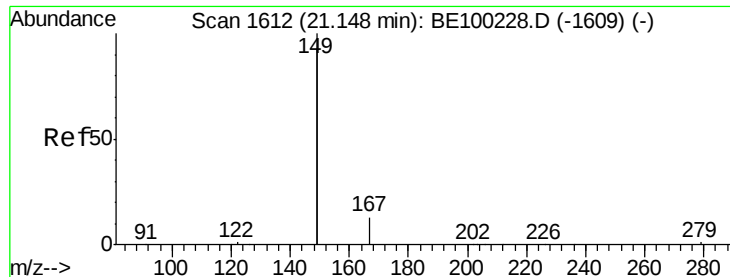
mohammad  
7/3/2019 10:52:53 PM



#31  
Chrysene  
Concen: 3.913 ng  
RT: 21.28 min Scan# 1623  
Delta R.T. 0.00 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.1  | 23.9  | 35.9  |
| 229     | 23.2  | 16.5  | 24.7  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 6.060 ng

RT: 21.16 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA\_E

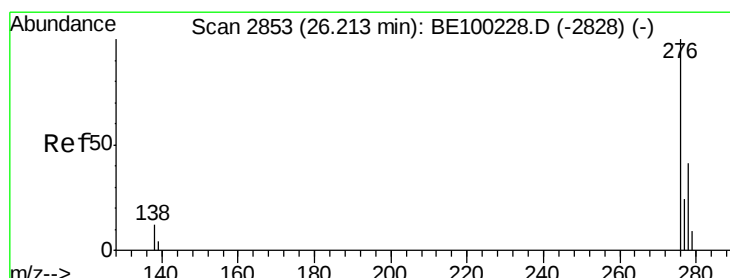
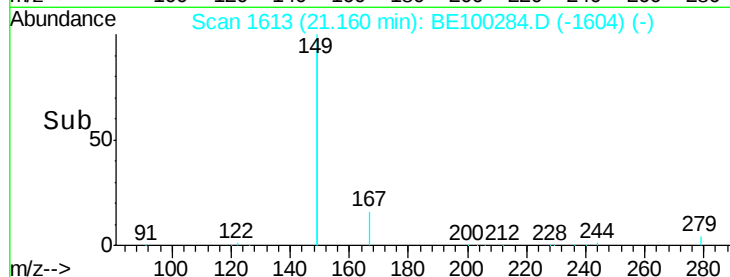
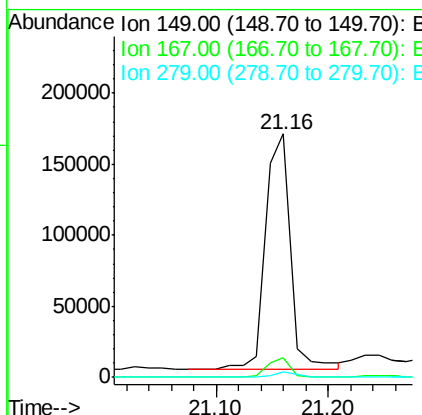
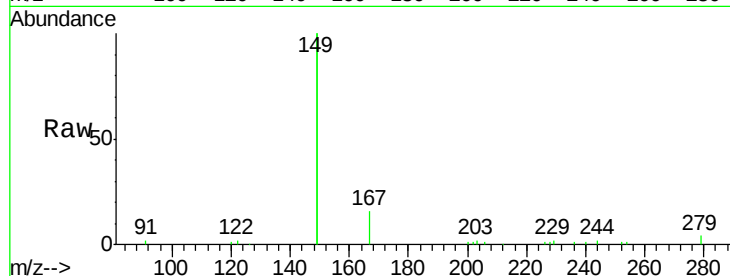
ClientSampleId :

EXT-008-SW123-061819-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 258551 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 6.8   | 5.8   | 8.8    |
| 279       | 1.5   | 1.1   | 1.7    |

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.781 ng

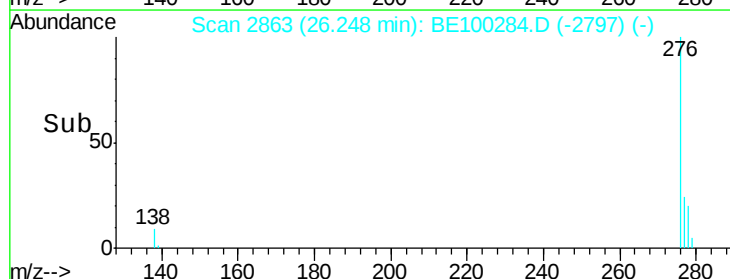
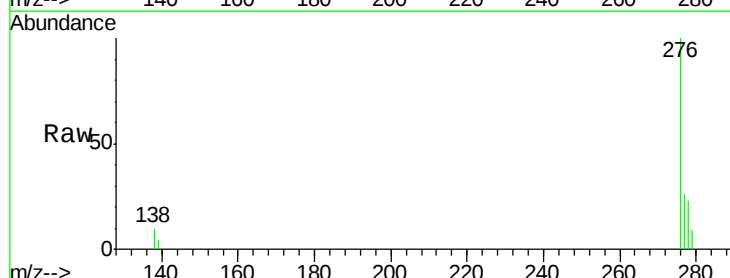
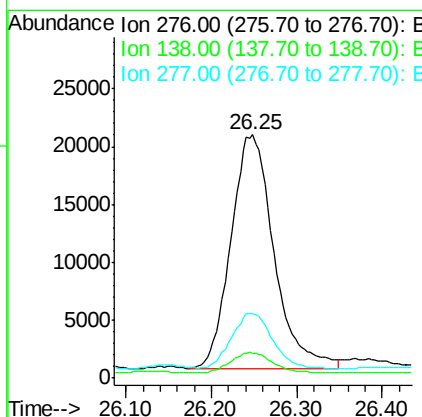
RT: 26.25 min Scan# 2863

Delta R.T. 0.04 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 70733 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 8.6   | 9.4   | 14.0# |
| 277       | 22.6  | 19.2  | 28.8  |





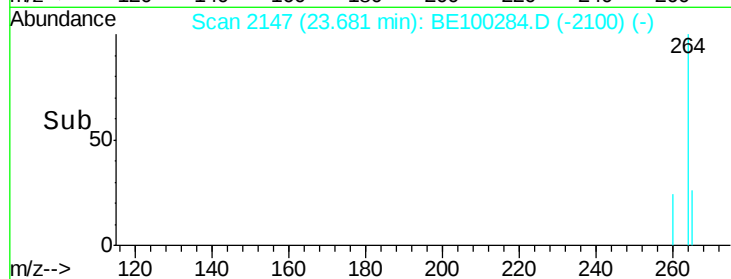
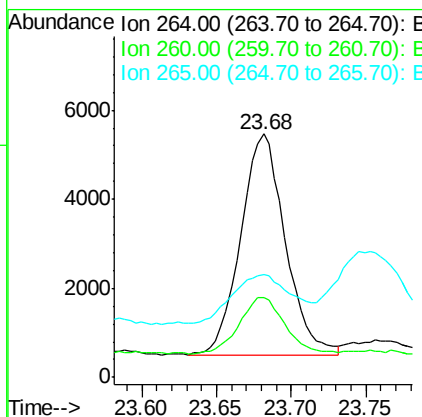
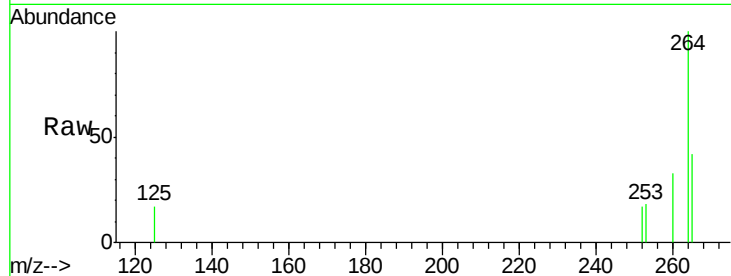
#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.68 min Scan# 2147  
 Delta R.T. 0.02 min  
 Lab File: BE100284.D  
 Acq: 2 Jul 2019 3:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-008-SW123-061819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 32.7  | 20.8  | 31.2# |
| 265     | 42.5  | 21.8  | 32.6# |

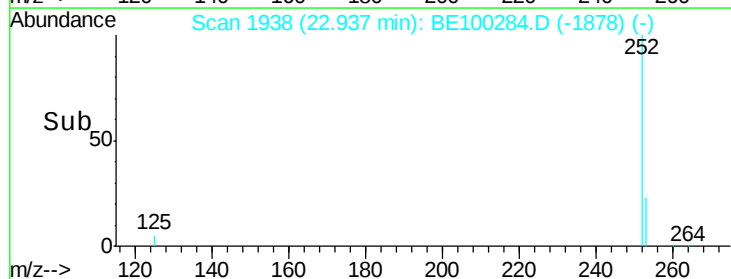
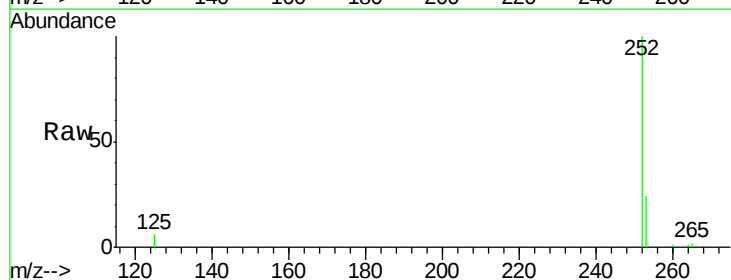
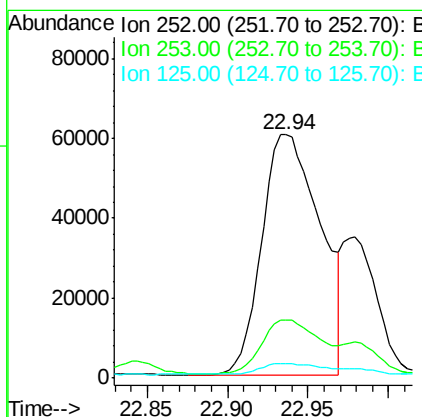
Manual Integrations  
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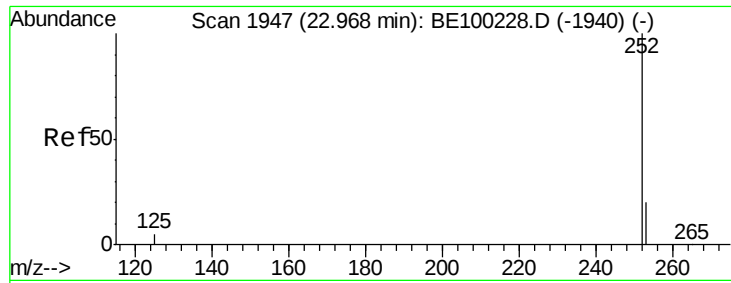
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#35  
 Benzo(b)fluoranthene  
 Concen: 5.489 ng  
 RT: 22.94 min Scan# 1938  
 Delta R.T. 0.02 min  
 Lab File: BE100284.D  
 Acq: 2 Jul 2019 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 19.2  | 28.8  |
| 125     | 6.1   | 7.4   | 11.0# |





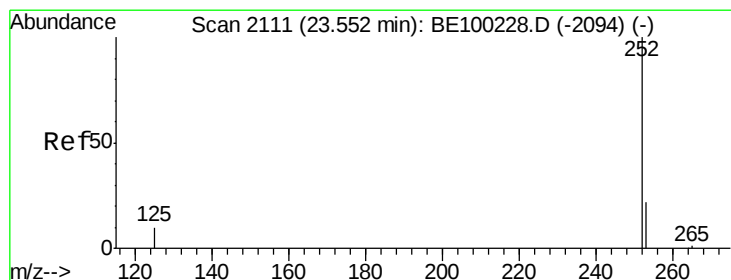
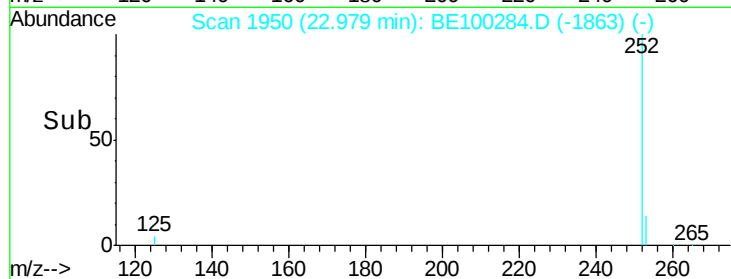
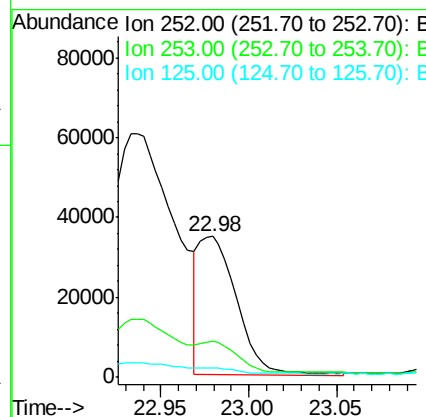
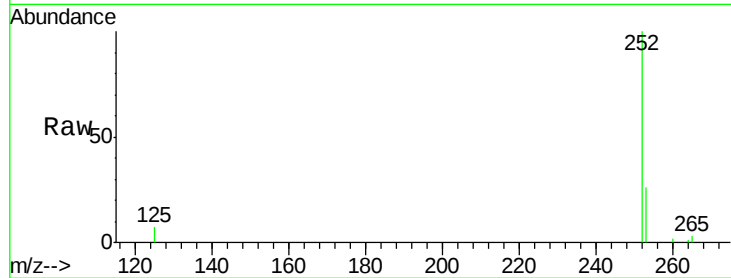
#36  
Benzo(k)fluoranthene  
Concen: 1.702 ng m  
RT: 22.98 min Scan# 1950  
Delta R.T. 0.01 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW123-061819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.7  | 17.9  | 26.9  |
| 125     | 6.9   | 5.0   | 7.4   |

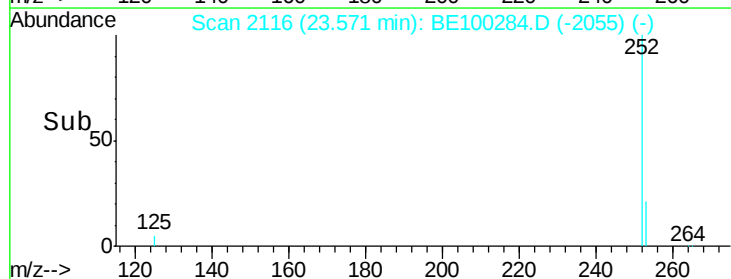
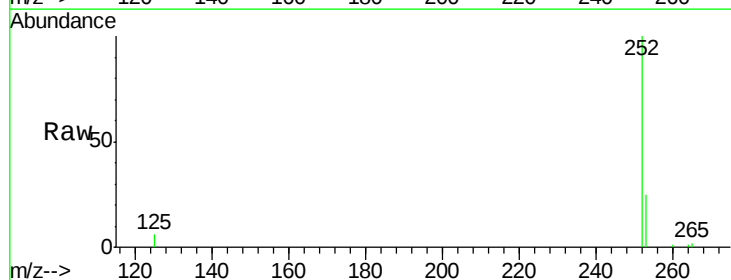
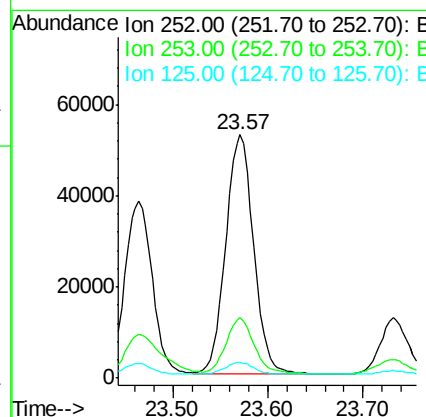
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#37  
Benzo(a)pyrene  
Concen: 3.814 ng  
RT: 23.57 min Scan# 2116  
Delta R.T. 0.02 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 19.6  | 29.4  |
| 125     | 6.4   | 9.0   | 13.6  |





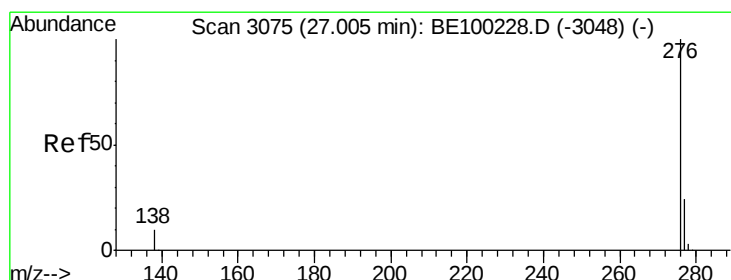
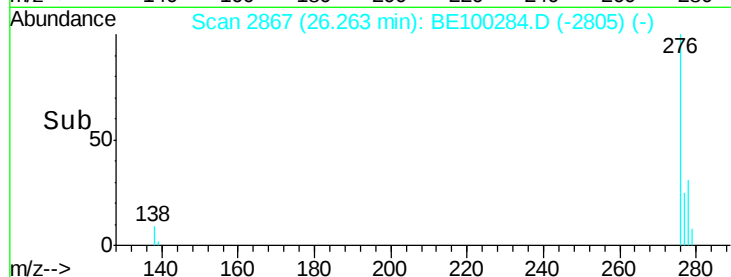
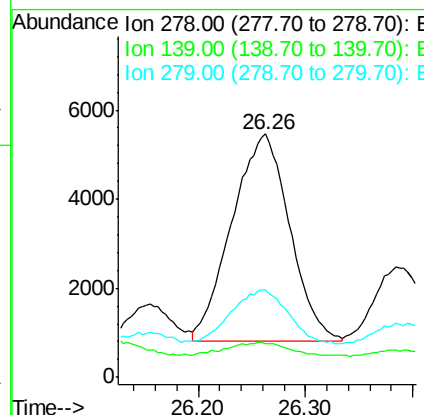
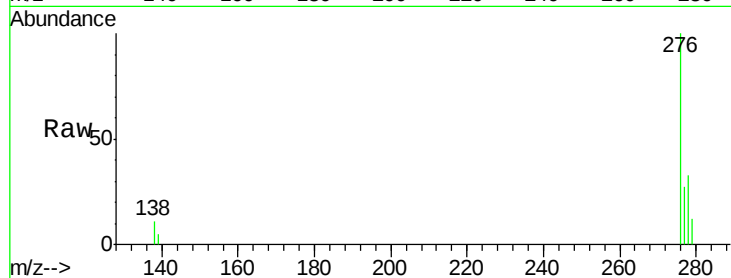
#38  
Dibenzo(a,h)anthracene  
Concen: 0.593 ng  
RT: 26.26 min Scan# 2867  
Delta R.T. 0.02 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-008-SW123-061819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.0  | 8.2   | 12.2# |
| 279     | 35.7  | 20.3  | 30.5# |

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#39  
Benzo(g,h,i)perylene  
Concen: 2.273 ng  
RT: 27.04 min Scan# 3085  
Delta R.T. 0.04 min  
Lab File: BE100284.D  
Acq: 2 Jul 2019 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.7  | 20.2  | 30.2  |
| 138     | 10.7  | 9.0   | 13.6  |

