

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\  
 Data File : BF109656.D  
 Acq On : 8 Oct 2018 19:09  
 Operator : JU/SJ  
 Sample : J5270-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-A

Manual Integrations  
 APPROVED

Sohil  
 10/9/2018 2:57:30 PM

Quant Time: Oct 09 08:56:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 117298   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 7.97  | 136  | 416855   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.72  | 164  | 170744   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.20 | 188  | 268725   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.83 | 240  | 218929   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.23 | 264  | 187372   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.32  | 112  | 631934   | 95.63  | ng    | 0.00      |
| 7) Phenol-d6                | 6.35  | 99   | 804584   | 91.14  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 525075   | 69.43  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 132786   | 71.37  | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 811636   | 65.47  | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.78 | 244  | 541425   | 47.87  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 8.00  | 128  | 391738   | 20.320 | ng    | Qvalue 99 |
| 37) 2-Methylnaphthalene     | 8.69  | 142  | 347063   | 27.483 | ng    | 100       |
| 45) 1,1'-Biphenyl           | 9.15  | 154  | 51959    | 3.406  | ng    | 98        |
| 49) Dimethylphthalate       | 9.45  | 163  | 63355    | 5.059  | ng    | # 98      |
| 54) Dibenzofuran            | 9.93  | 168  | 118026   | 7.973  | ng    | # 94      |
| 57) Fluorene                | 10.27 | 166  | 34254    | 3.098  | ng    | # 82      |
| 70) Phenanthrene            | 11.23 | 178  | 277462   | 20.632 | ng    | 99        |
| 74) Fluoranthene            | 12.41 | 202  | 163790   | 11.659 | ng    | 98        |
| 77) Pyrene                  | 12.64 | 202  | 151158   | 9.424  | ng    | 98        |
| 80) Benzo(a)anthracene      | 13.82 | 228  | 75833    | 6.277  | ng    | # 89      |
| 82) Chrysene                | 13.86 | 228  | 116521   | 9.182  | ng    | # 92      |
| 85) Indeno(1,2,3-cd)pyrene  | 16.59 | 276  | 30525    | 3.361  | ng    | # 68      |
| 87) Benzo(b)fluoranthene    | 14.84 | 252  | 74757m   | 7.220  | ng    |           |
| 88) Benzo(k)fluoranthene    | 14.86 | 252  | 21543m   | 2.071  | ng    |           |
| 89) Benzo(a)pyrene          | 15.17 | 252  | 42793    | 4.554  | ng    | # 82      |
| 90) Dibenzo(a,h)anthracene  | 16.61 | 278  | 16492m   | 2.137  | ng    |           |
| 91) Benzo(a,h,i)perylene    | 16.99 | 276  | 25262    | 3.278  | ng    | # 83      |

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

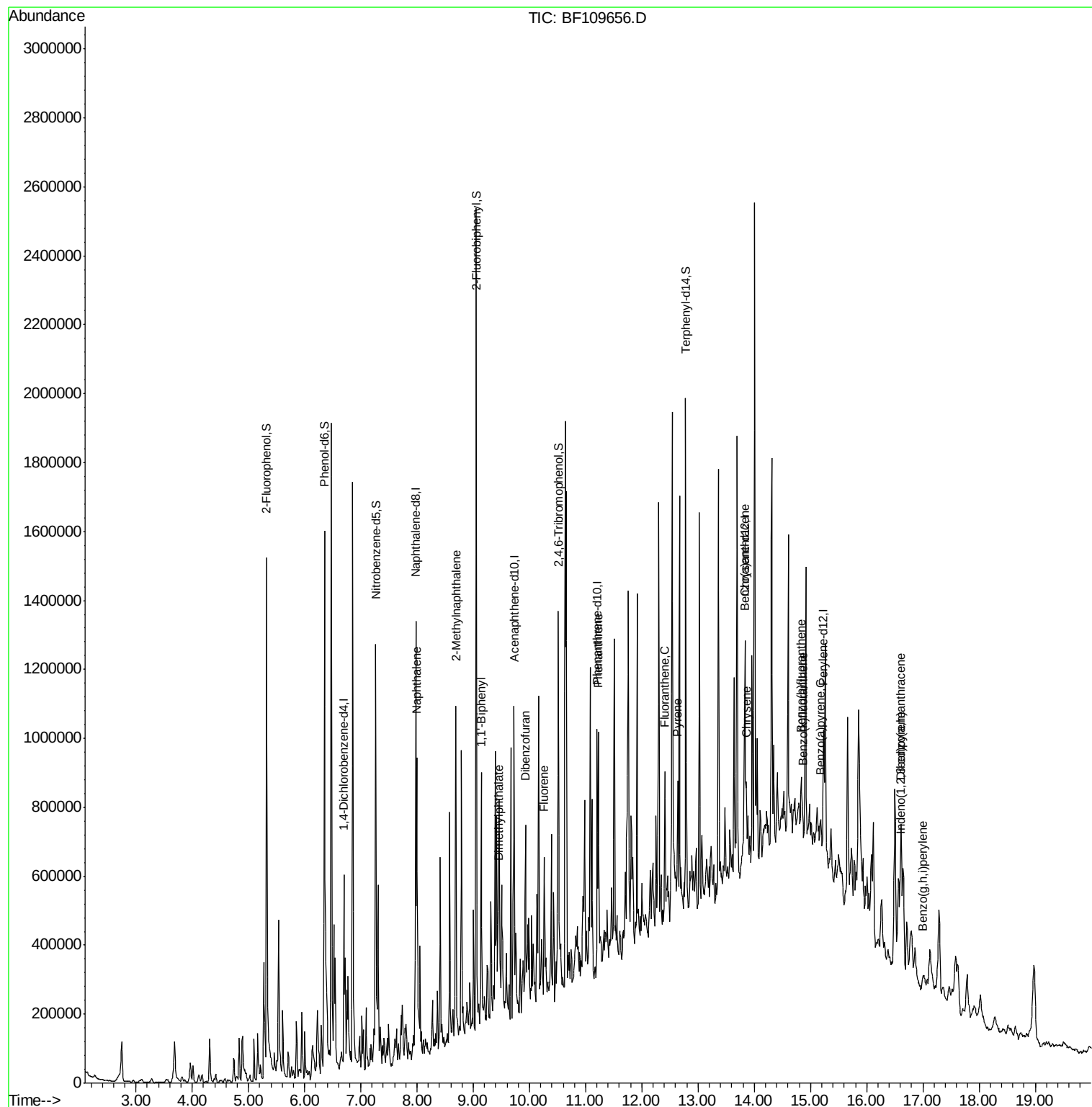
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\  
Data File : BF109656.D  
Acq On : 8 Oct 2018 19:09  
Operator : JU/SJ  
Sample : J5270-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

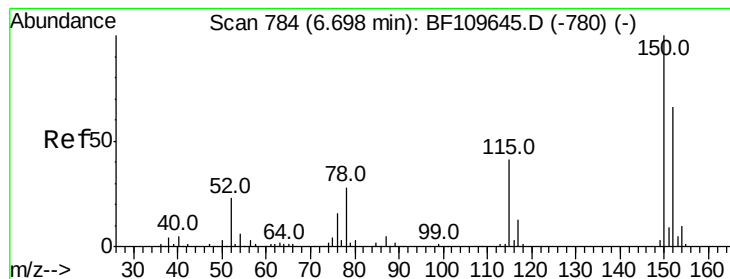
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-A

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10/9/2018 2:57:30 PM

Quant Time: Oct 09 08:56:25 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 08 16:02:11 2018  
Response via : Initial Calibration





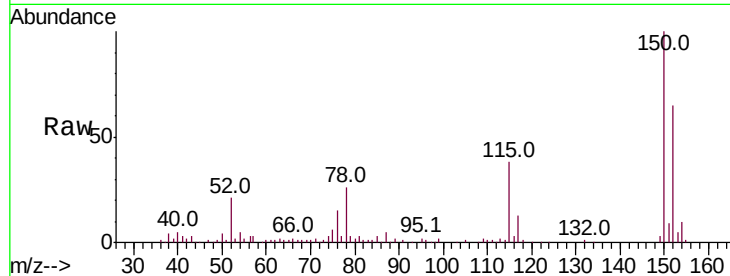
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. 0.00 min  
 Lab File: BF109656.D  
 Acq: 8 Oct 2018 19:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.0 | 122.7 | 184.1 |
| 115     | 58.8  | 49.1  | 73.7  |

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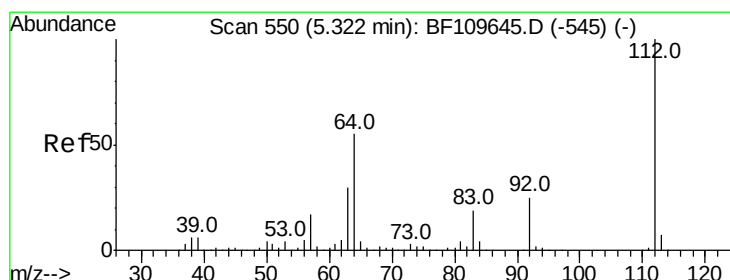
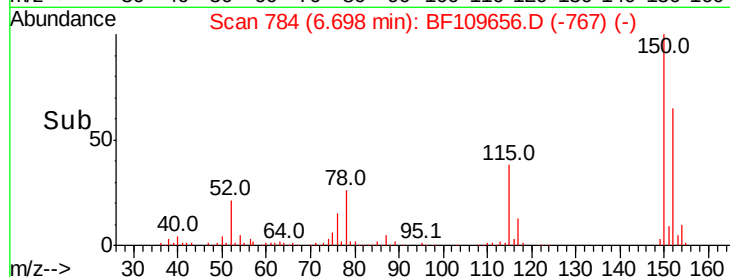
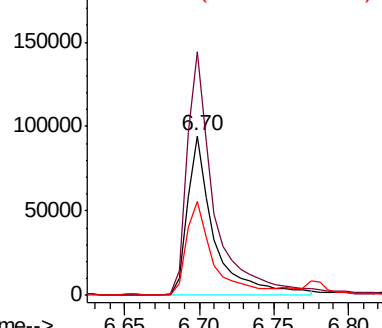


Abundance

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



#5  
 2-Fluorophenol  
 Concen: 95.628 ng  
 RT: 5.32 min Scan# 550  
 Delta R.T. 0.00 min  
 Lab File: BF109656.D  
 Acq: 8 Oct 2018 19:09

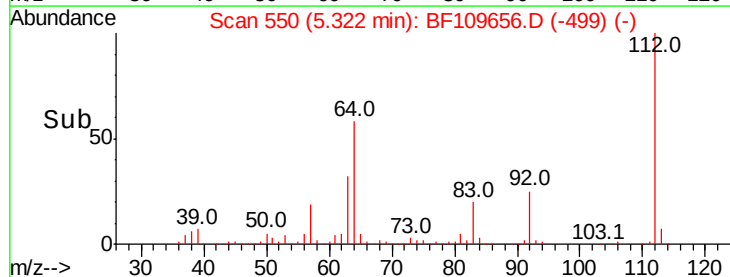
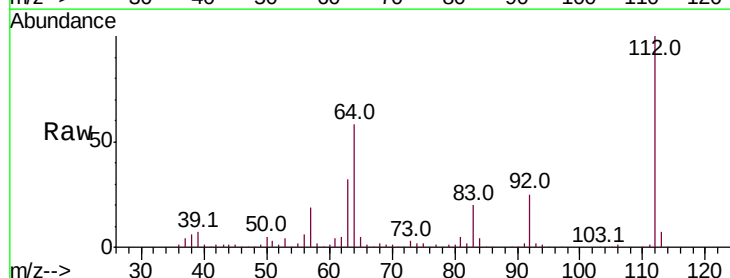
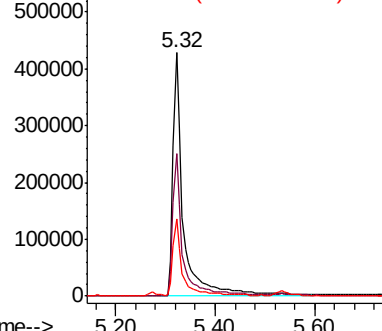
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.5  | 44.1  | 66.1  |
| 63      | 31.7  | 23.7  | 35.5  |

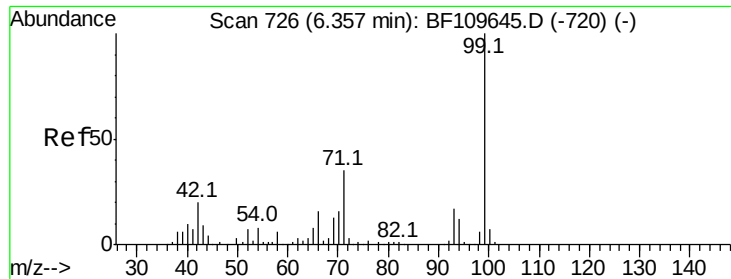
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.142 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

Instrument :

BNA\_F

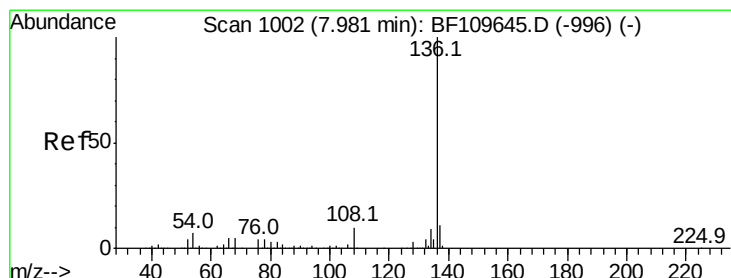
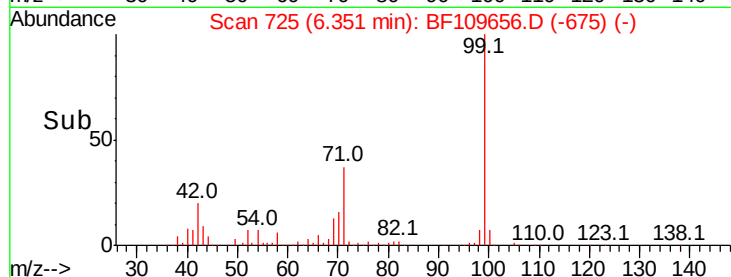
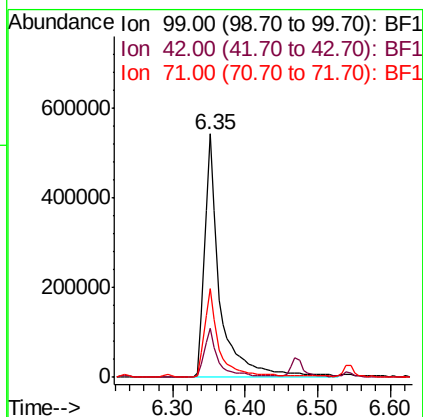
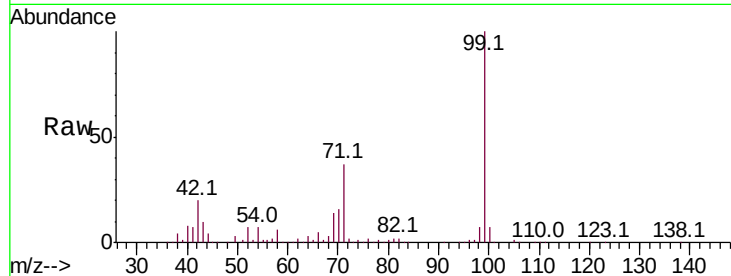
ClientSampleId :

STOCK-PILE-A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 804584 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.9  | 15.8  | 23.6   |
| 71        | 36.6  | 28.0  | 42.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

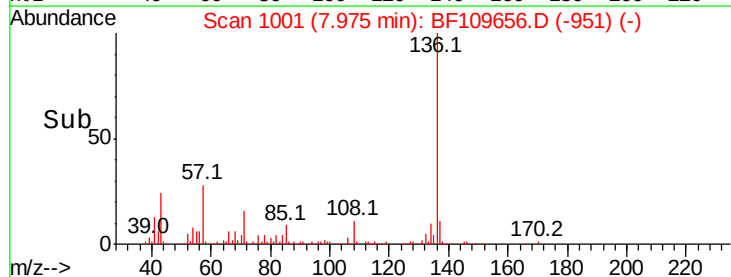
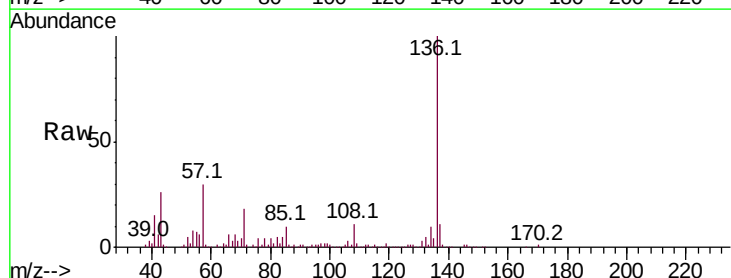
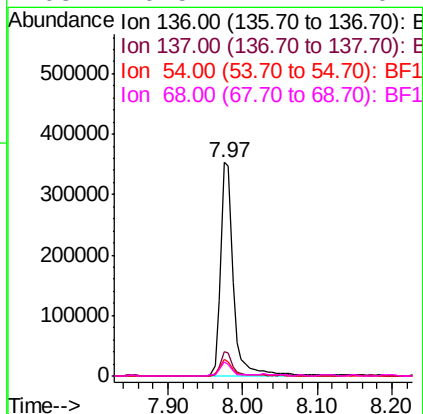
RT: 7.97 min Scan# 1001

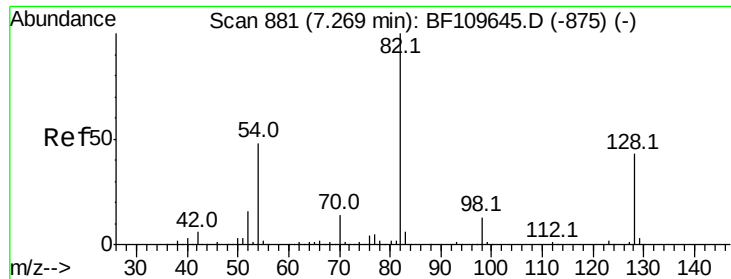
Delta R.T. -0.01 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 416855 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 8.8   | 13.2   |
| 54        | 8.1   | 5.4   | 8.2    |
| 68        | 6.5   | 4.2   | 6.2#   |





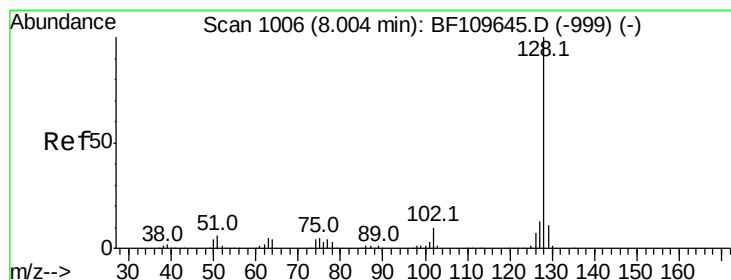
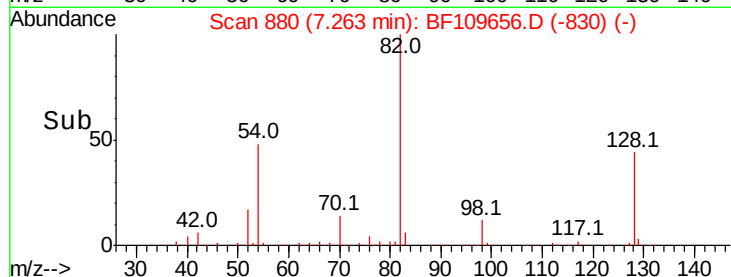
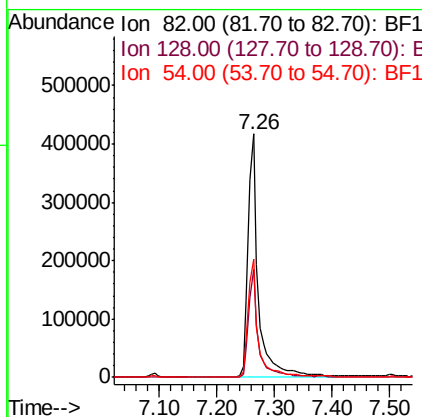
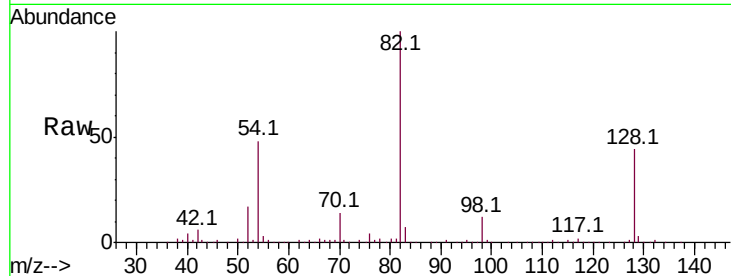
#23  
 Nitrobenzene-d5  
 Concen: 69.434 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: BF109656.D  
 Acq: 8 Oct 2018 19:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-A

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 44.2  | 34.2 | 51.2  |       |
| 54      | 48.3  | 38.6 | 58.0  |       |

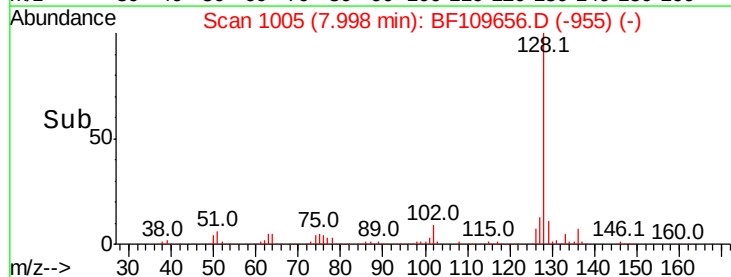
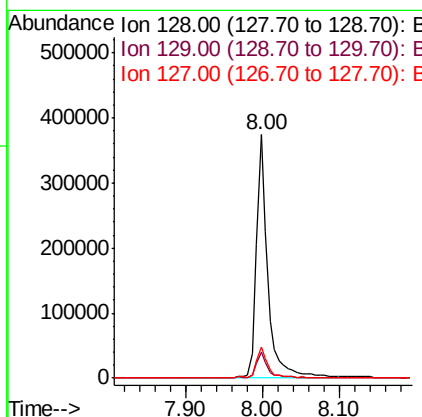
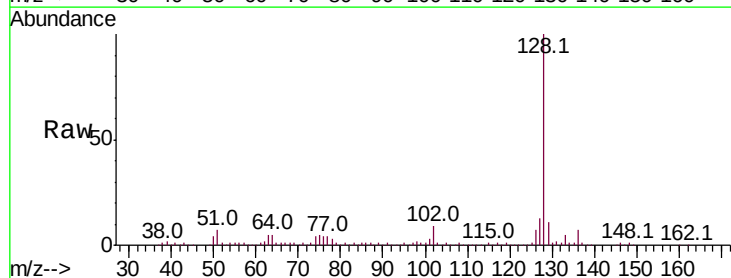
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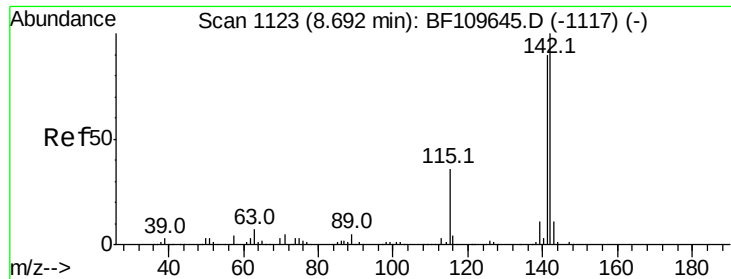
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#31  
 Naphthalene  
 Concen: 20.320 ng  
 RT: 8.00 min Scan# 1005  
 Delta R.T. -0.01 min  
 Lab File: BF109656.D  
 Acq: 8 Oct 2018 19:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 10.8  | 8.8  | 13.2  |       |
| 127     | 12.9  | 10.8 | 16.2  |       |





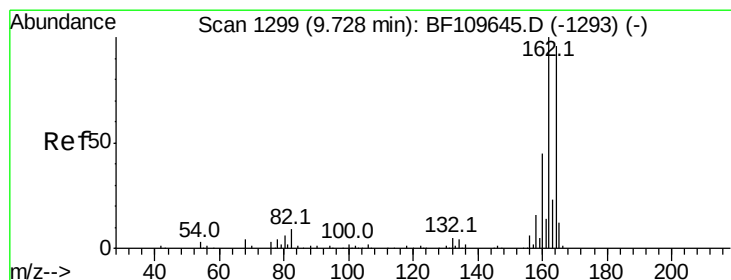
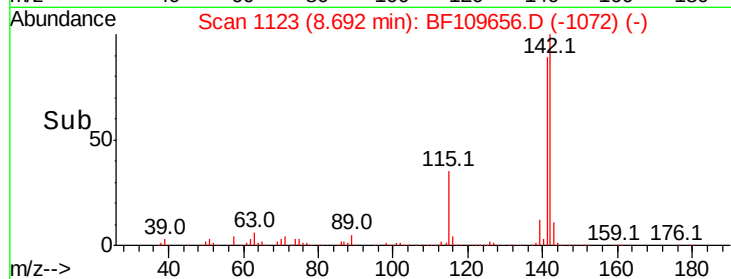
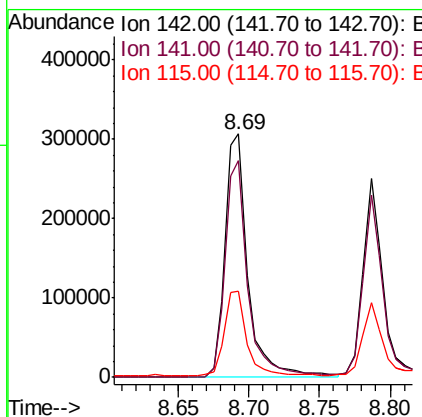
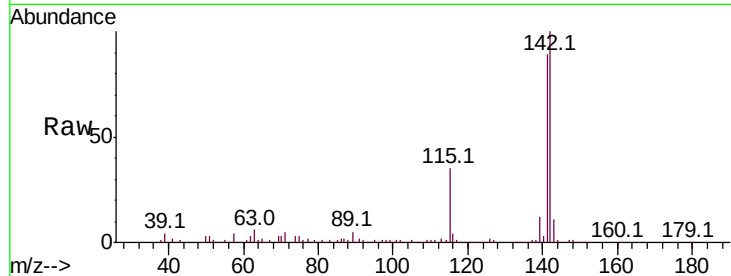
#37  
2-Methylnaphthalene  
Concen: 27.483 ng  
RT: 8.69 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 347063 |       |       |
| 141     | 89.2  | 71.4   | 107.2 |       |
| 115     | 35.4  | 28.7   | 43.1  |       |

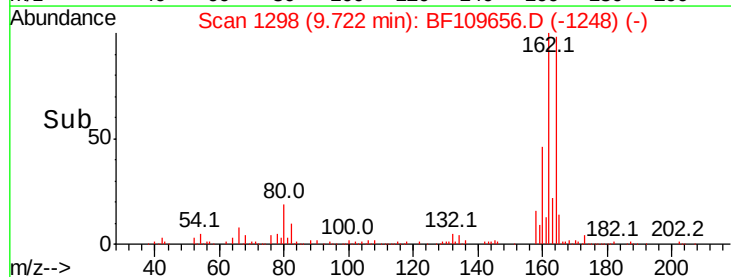
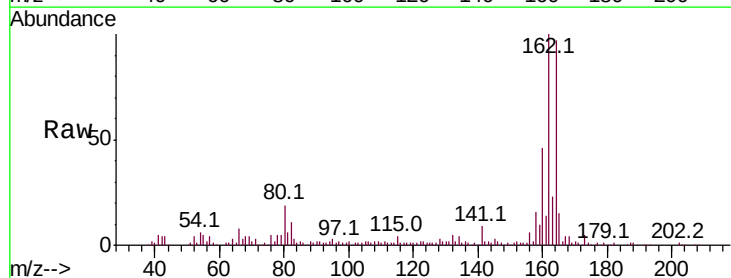
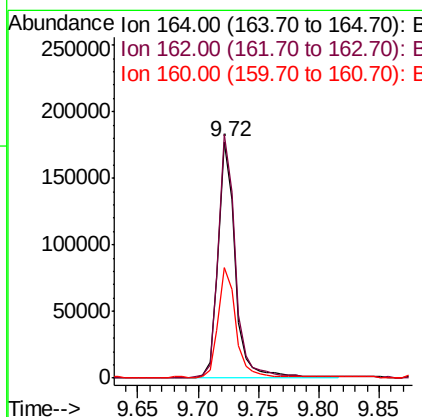
Manual Integrations  
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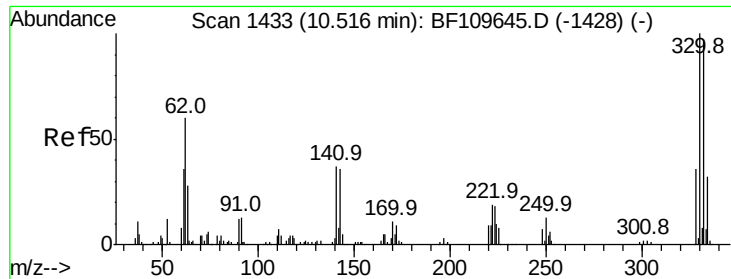
Sohil  
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 170744 |       |       |
| 162     | 103.1 | 83.0   | 124.6 |       |
| 160     | 46.9  | 37.0   | 55.6  |       |





#41

2,4,6-Tribromophenol

Concen: 71.373 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

Instrument :

BNA\_F

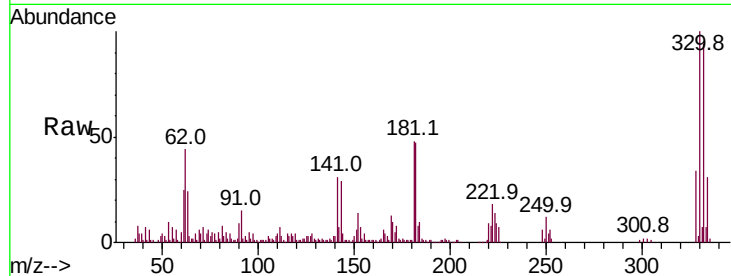
ClientSampled :

STOCK-PILE-A

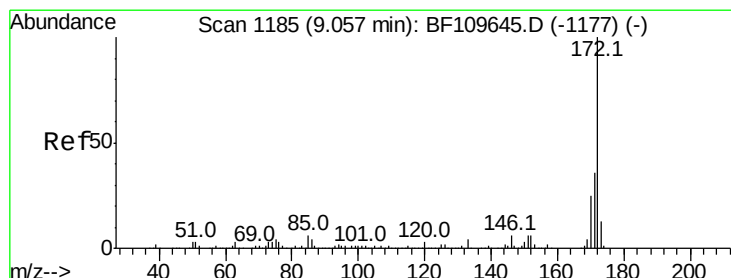
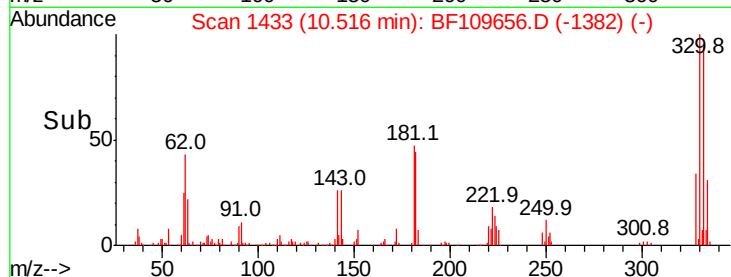
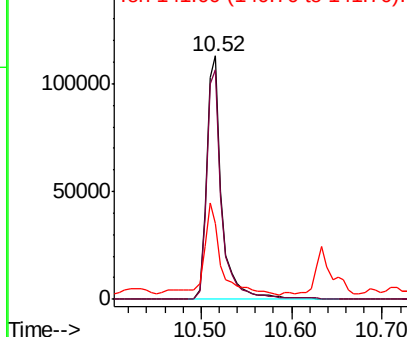
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 132786 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.3  | 77.1  | 115.7  |
| 141       | 39.9  | 27.0  | 40.4   |

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Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 65.468 ng

RT: 9.05 min Scan# 1184

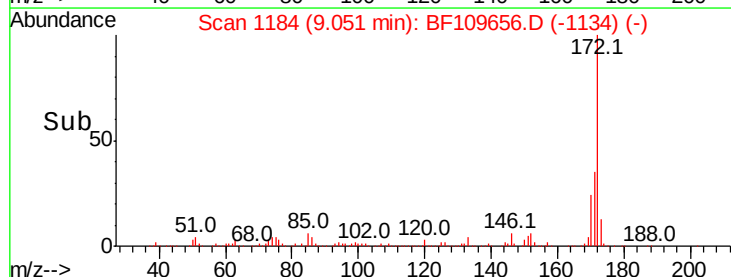
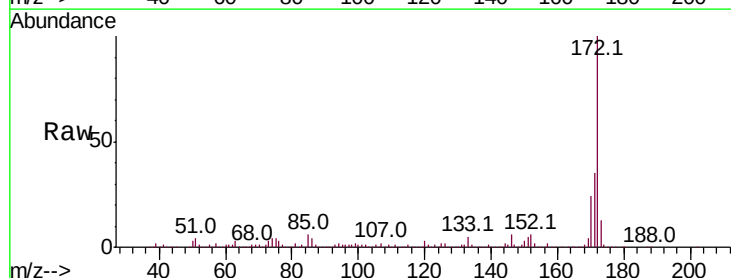
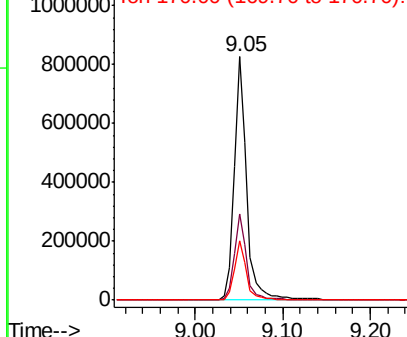
Delta R.T. -0.01 min

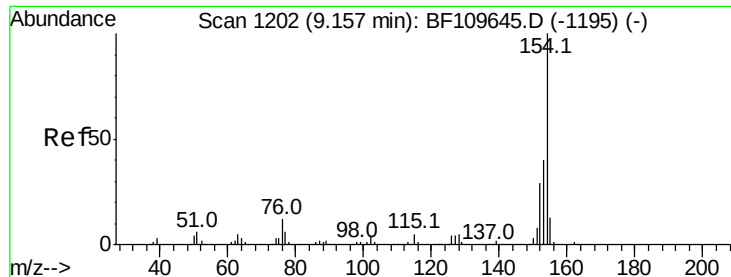
Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 811636 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.4  | 28.6  | 43.0   |
| 170       | 24.2  | 19.7  | 29.5   |

Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 3.406 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

Instrument :

BNA\_F

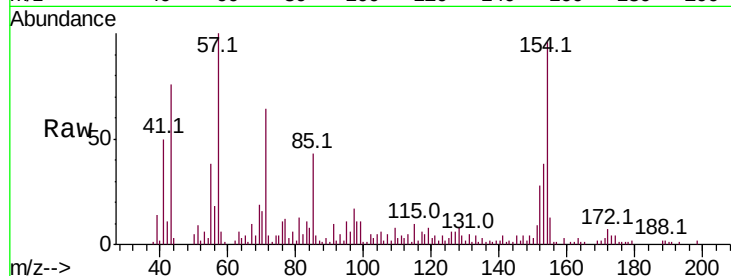
ClientSampleId :

STOCK-PILE-A

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 51959 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 39.1  | 20.4  | 60.4  |
| 76        | 11.4  | 0.0   | 31.9  |

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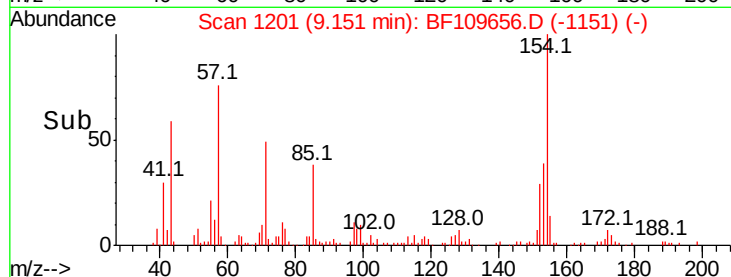


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

Time-->



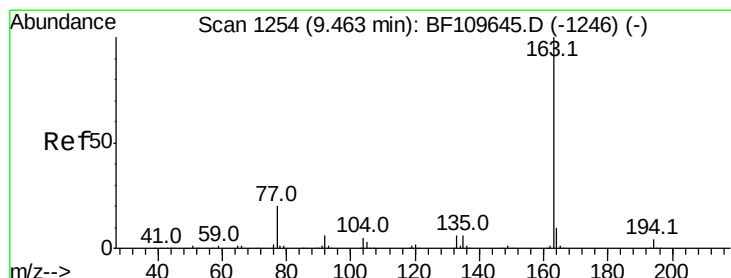
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

Time-->



#49

Dimethylphthalate

Concen: 5.059 ng

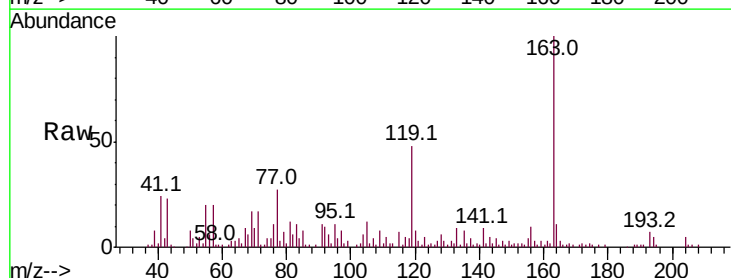
RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 63355 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 5.4   | 3.2   | 4.8#  |
| 164       | 10.6  | 8.1   | 12.1  |

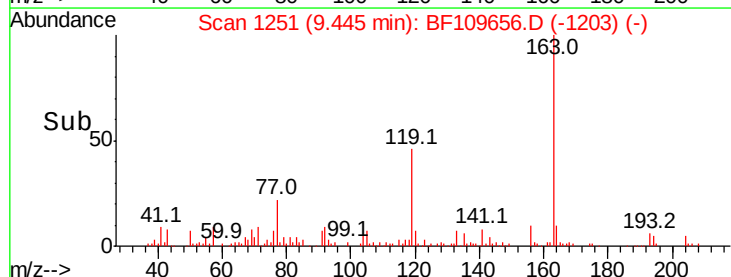


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

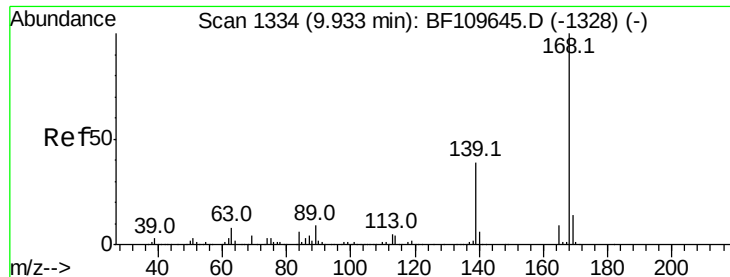
Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->





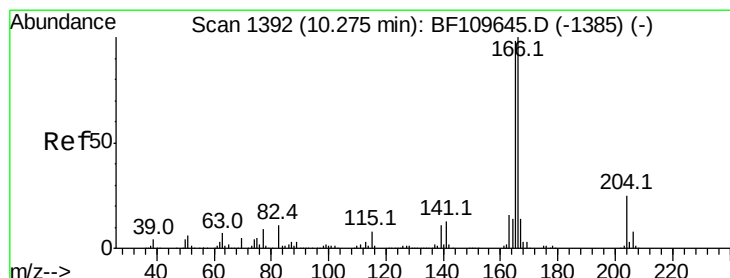
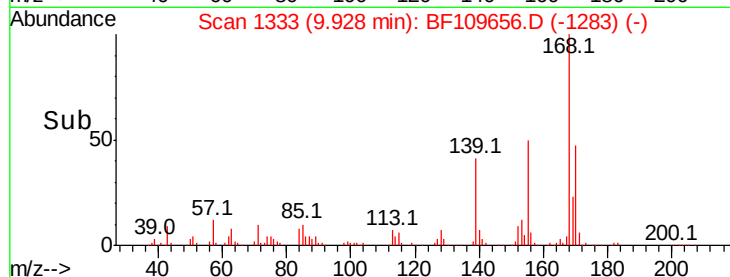
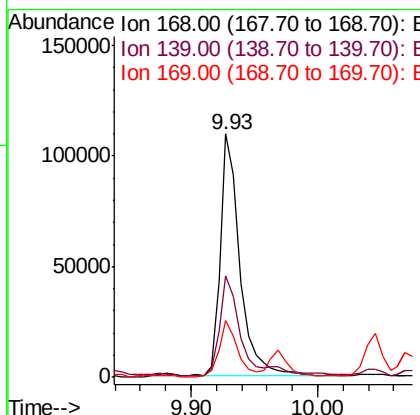
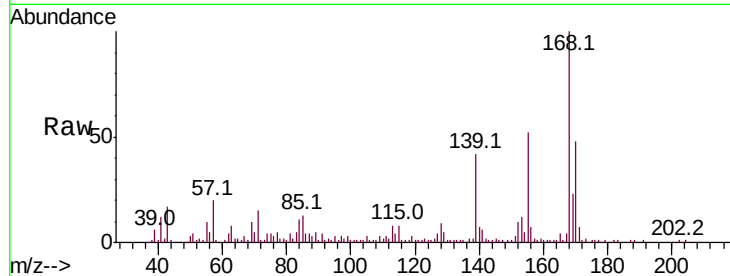
#54  
Dibenzofuran  
Concen: 7.973 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

Instrument :  
BNA\_F  
ClientSampled :  
STOCK-PILE-A

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 41.8  | 33.0 | 49.6  |       |
| 169     | 23.4  | 11.3 | 16.9  |       |

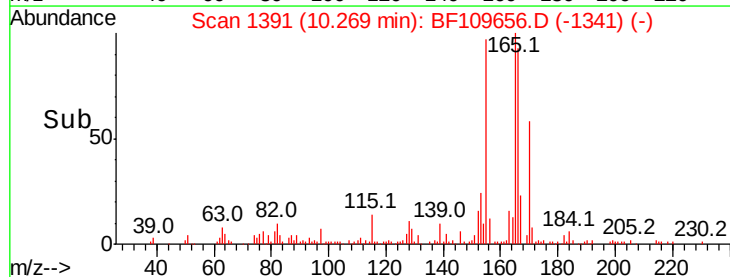
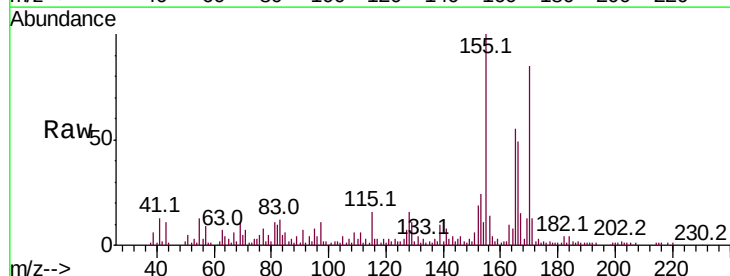
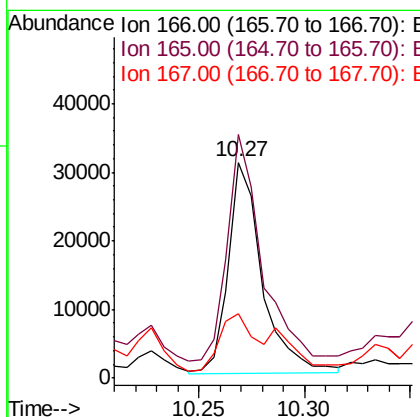
Manual Integrations  
APPROVED

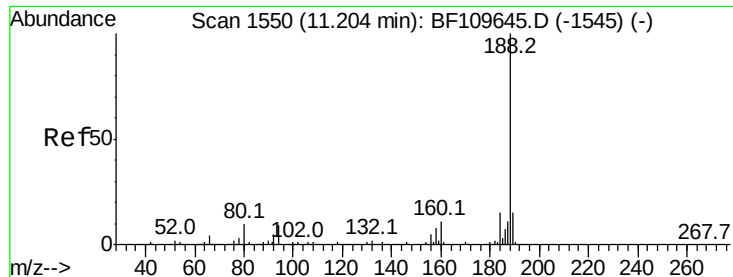
Sohil  
10/9/2018 2:57:30 PM



#57  
Fluorene  
Concen: 3.098 ng  
RT: 10.27 min Scan# 1391  
Delta R.T. -0.01 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 112.8 | 78.6 | 117.8 |       |
| 167     | 29.9  | 10.8 | 16.2  |       |





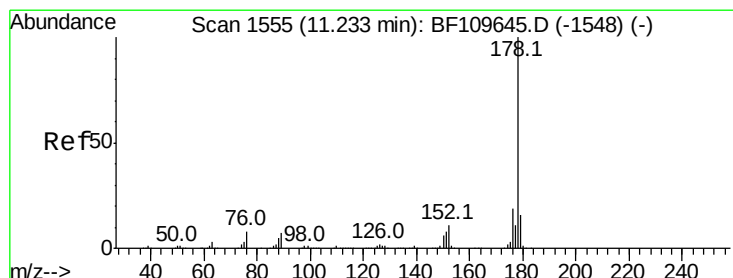
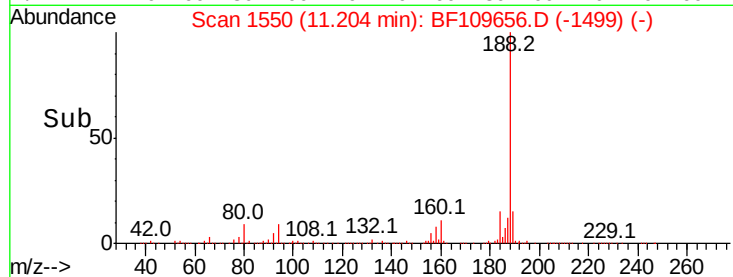
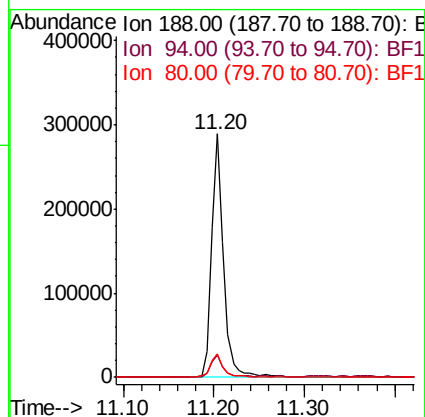
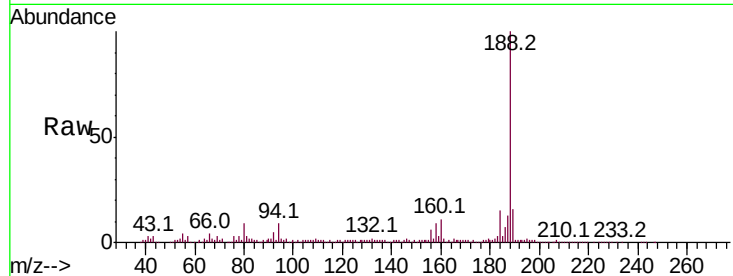
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. 0.00 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-A

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 9.1   | 7.2        | 10.8  |
| 80      | 9.4   | 7.9        | 11.9  |

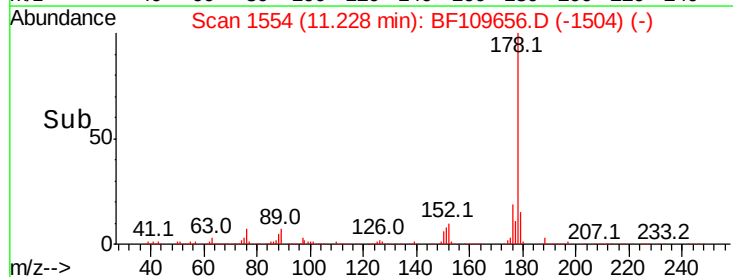
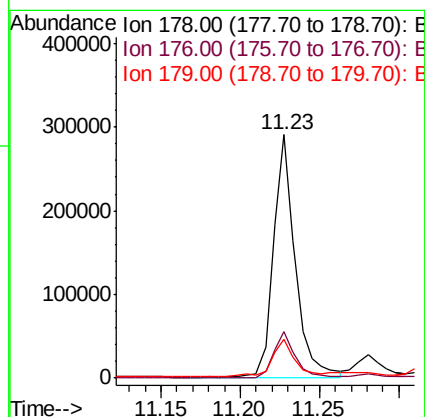
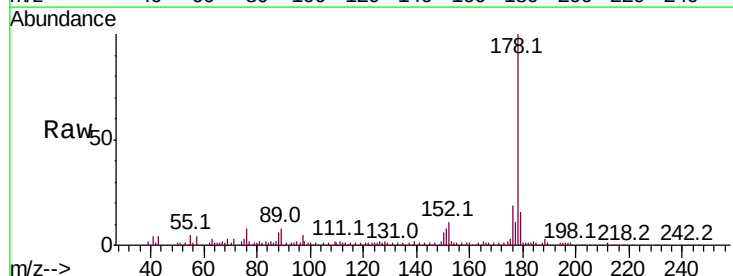
Manual Integrations  
APPROVED

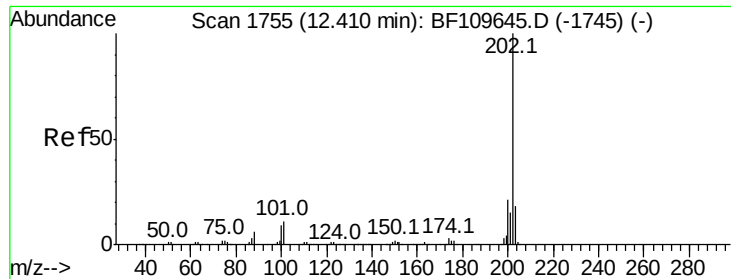
Sohil  
10/9/2018 2:57:30 PM



#70  
Phenanthrene  
Concen: 20.632 ng  
RT: 11.23 min Scan# 1554  
Delta R.T. -0.01 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 178     | 100   |            |       |
| 176     | 19.2  | 15.5       | 23.3  |
| 179     | 16.0  | 12.5       | 18.7  |





#74

Fluoranthene

Concen: 11.659 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

Instrument :

BNA\_F

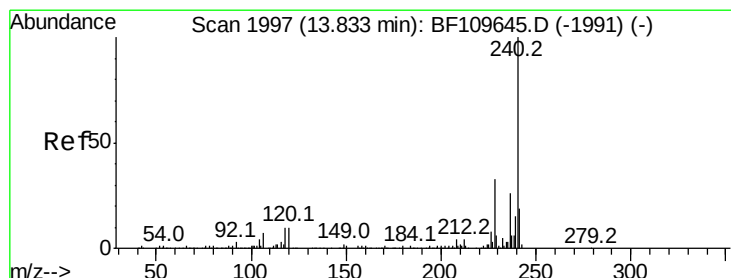
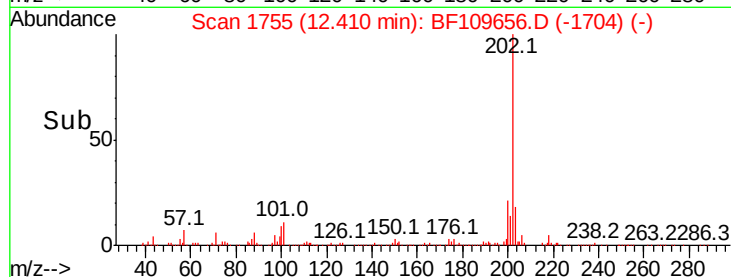
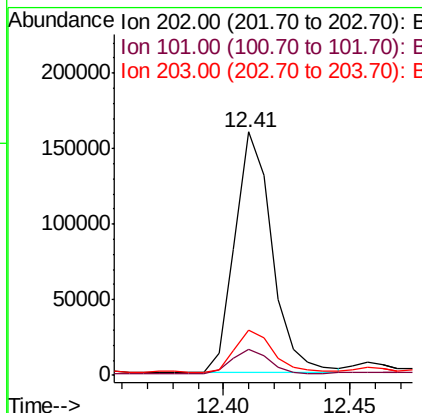
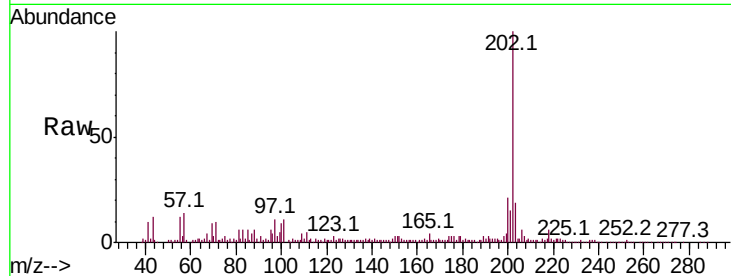
ClientSampleId :

STOCK-PILE-A

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 163790 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 101       | 10.7 | 0.0   | 31.4   |
| 203       | 18.6 | 0.0   | 37.7   |

Manual Integrations  
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Sohil  
10/9/2018 2:57:30 PM



#75

Chrysene-d12

Concen: 20.000 ng

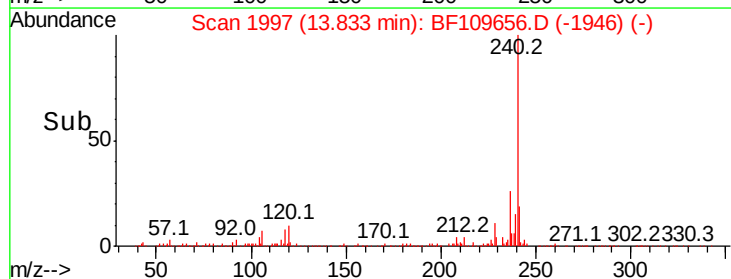
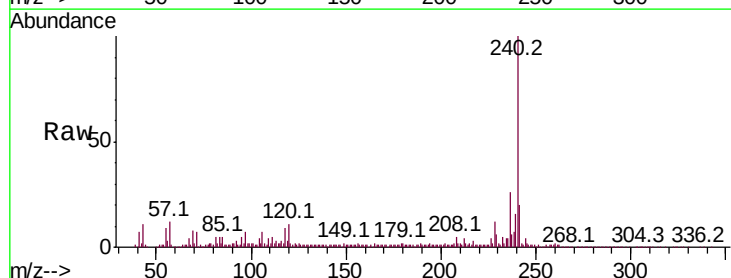
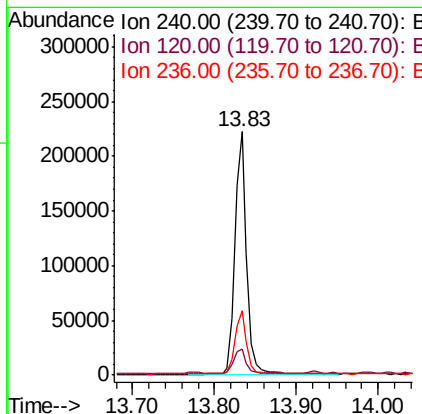
RT: 13.83 min Scan# 1997

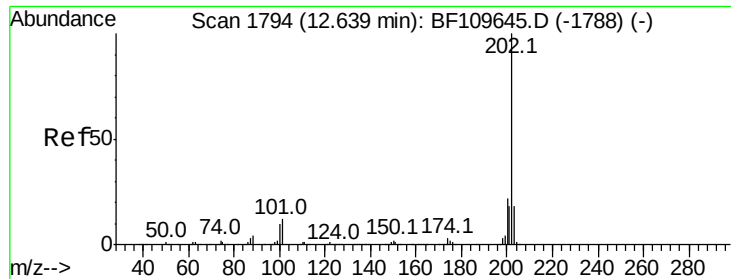
Delta R.T. 0.00 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 240  | Resp: | 218929 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 10.5 | 8.3   | 12.5   |
| 236       | 26.2 | 21.2  | 31.8   |





#77

Pvrene

Concen: 9.424 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

Instrument :

BNA\_F

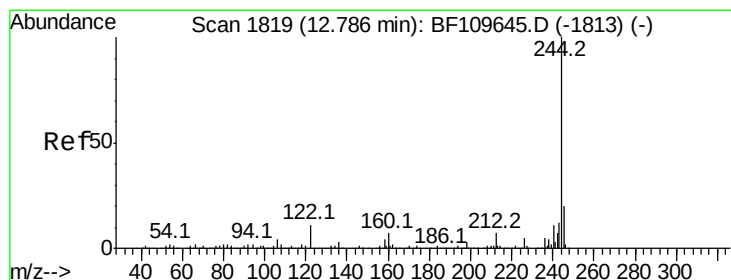
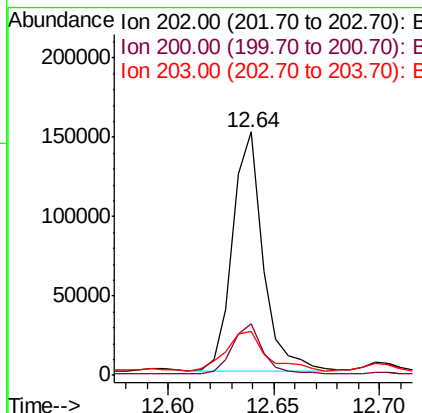
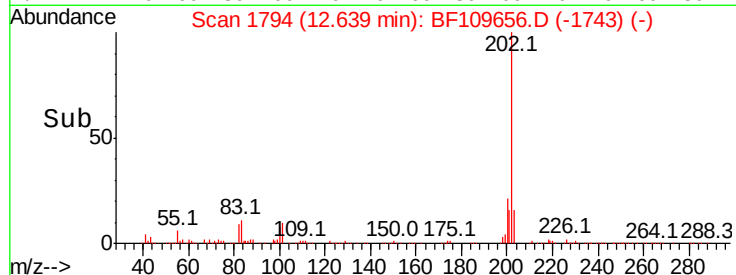
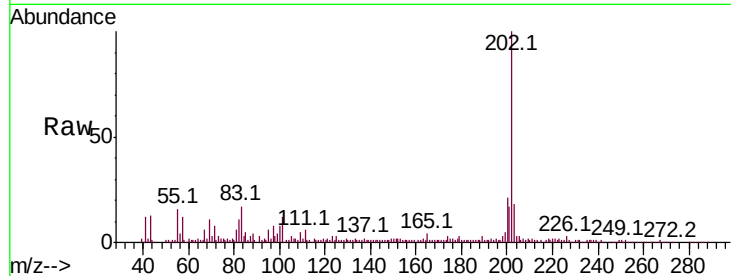
ClientSampleId :

STOCK-PILE-A

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 151158 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 21.0 | 17.8  | 26.6   |
| 203       | 18.0 | 14.2  | 21.4   |

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Sohil  
10/9/2018 2:57:30 PM



#78

Terphenyl-d14

Concen: 47.874 ng

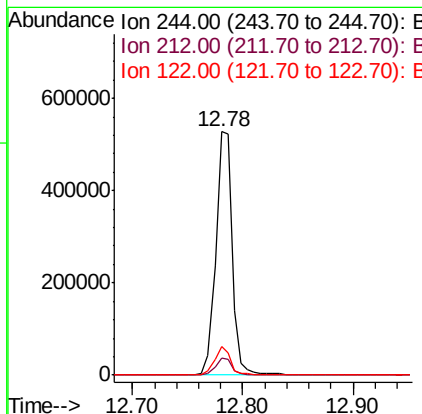
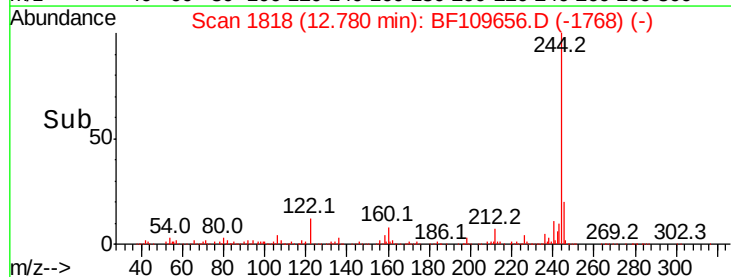
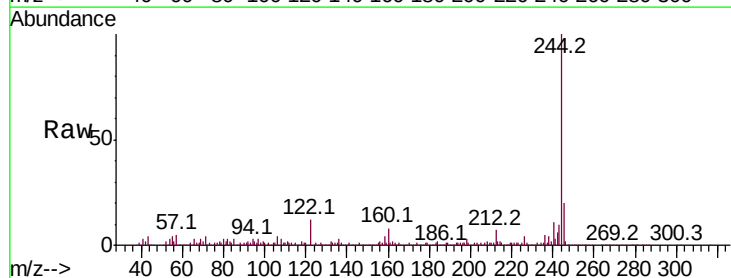
RT: 12.78 min Scan# 1818

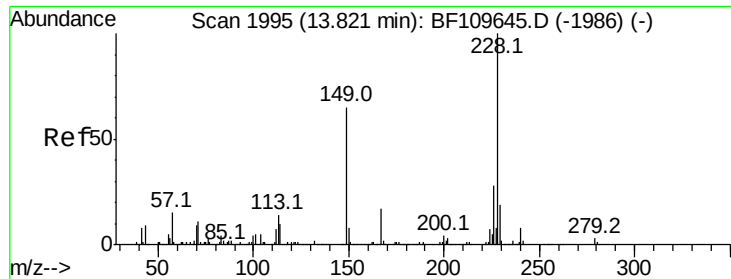
Delta R.T. -0.01 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 244  | Resp: | 541425 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 7.1  | 5.8   | 8.8    |
| 122       | 11.9 | 8.7   | 13.1   |





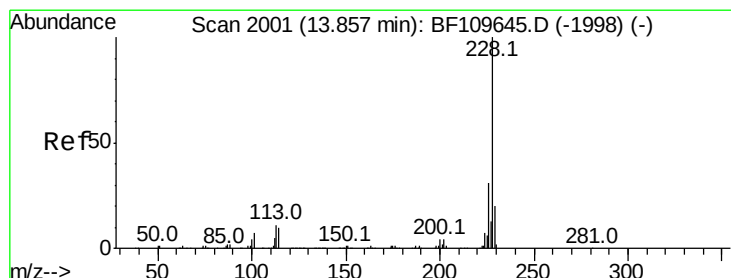
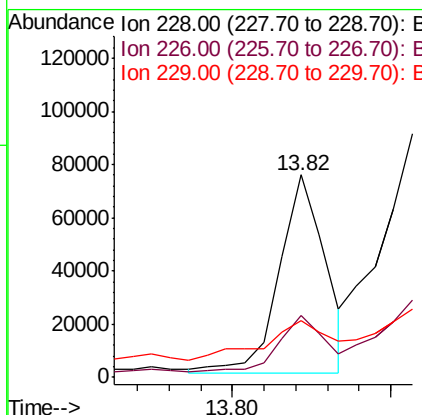
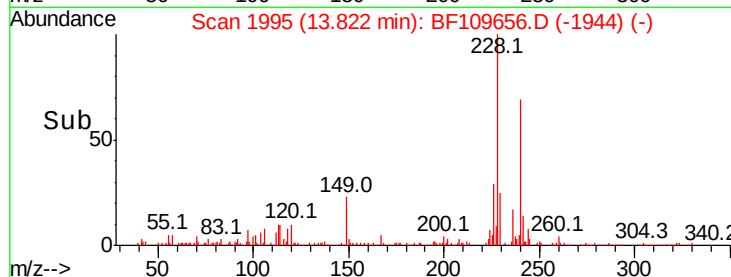
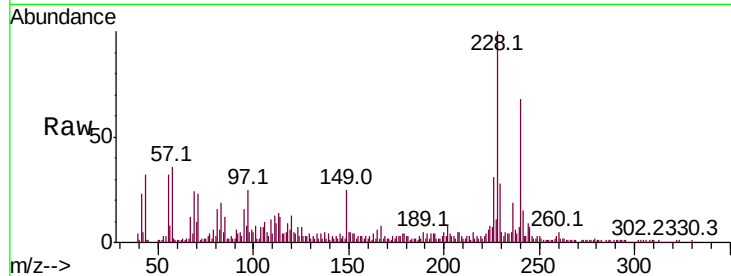
#80  
Benzo(a)anthracene  
Concen: 6.277 ng  
RT: 13.82 min Scan# 1995  
Delta R.T. 0.00 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 22.1  | 33.1  |
| 229     | 27.9  | 15.6  | 23.4  |

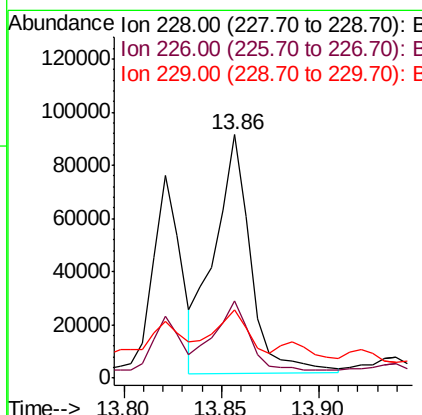
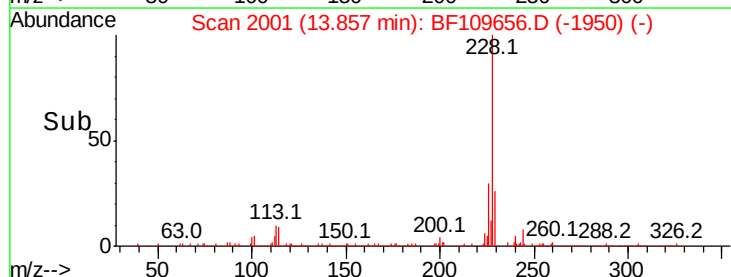
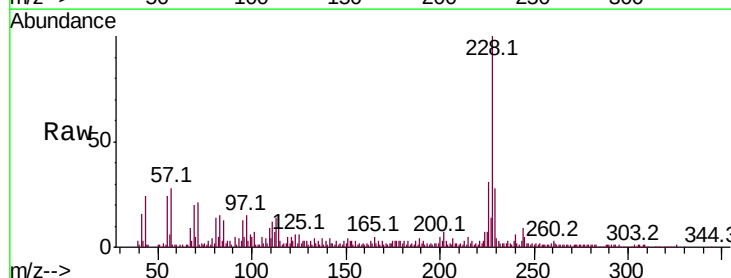
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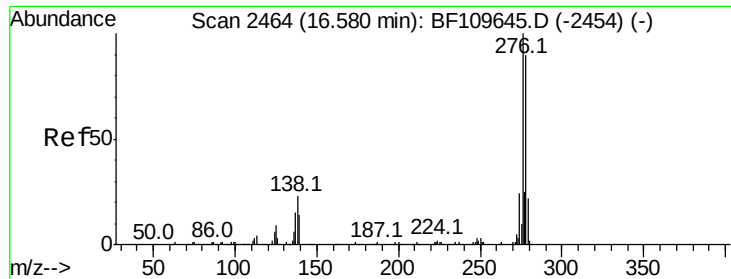
Sohil  
10/9/2018 2:57:30 PM



#82  
Chrysene  
Concen: 9.182 ng  
RT: 13.86 min Scan# 2001  
Delta R.T. 0.00 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.5  | 24.7  | 37.1  |
| 229     | 28.2  | 15.9  | 23.9  |





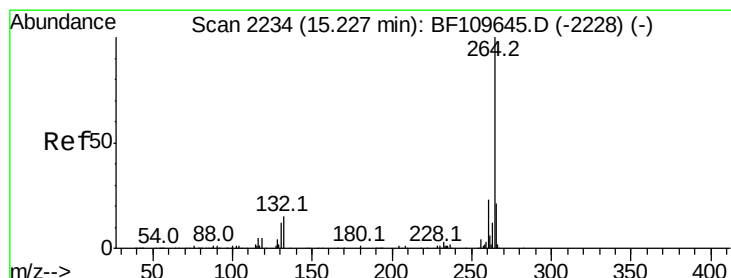
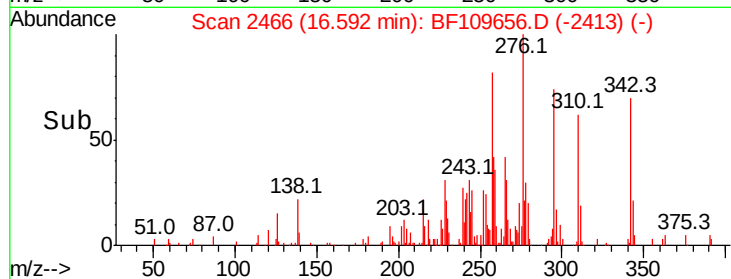
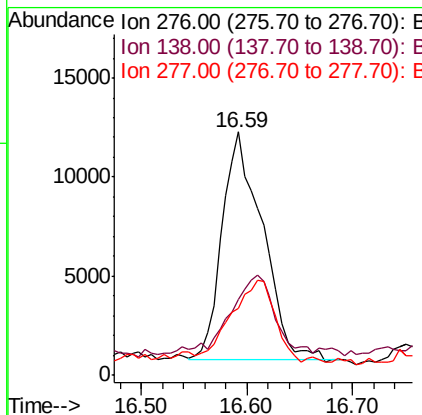
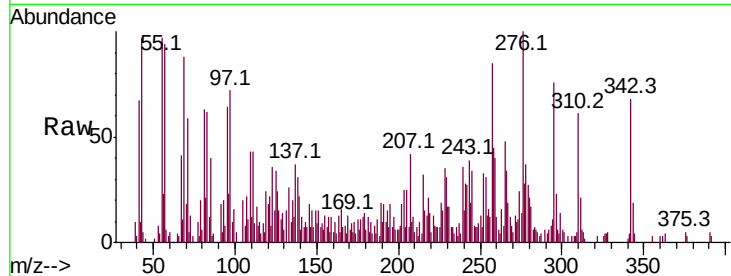
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.361 ng  
 RT: 16.59 min Scan# 2466  
 Delta R.T. 0.01 min  
 Lab File: BF109656.D  
 Acq: 8 Oct 2018 19:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 40.5  | 18.5  | 27.7# |
| 277     | 38.9  | 20.0  | 30.0# |

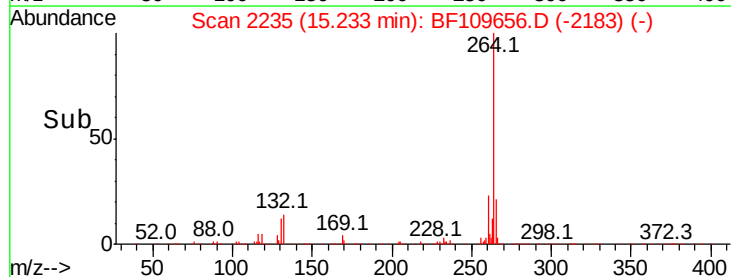
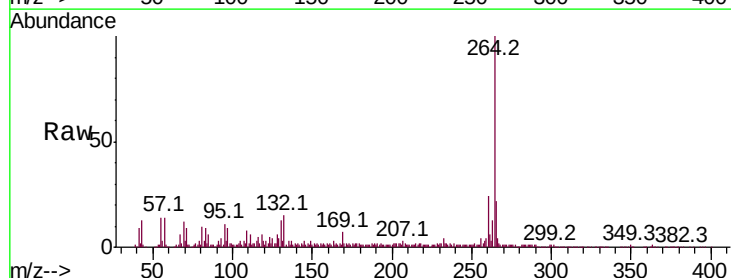
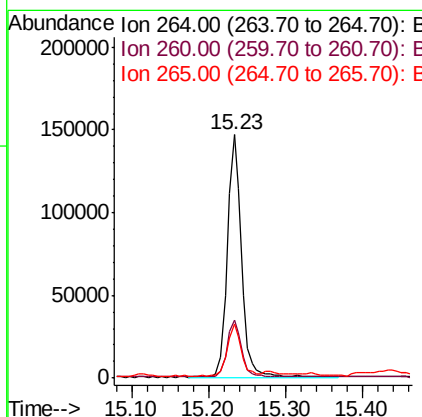
Manual Integrations  
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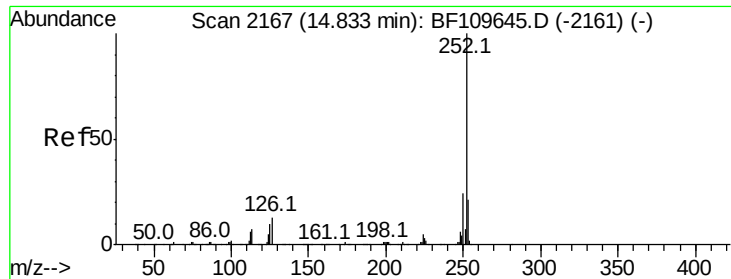
Sohil  
 10/9/2018 2:57:30 PM



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.23 min Scan# 2235  
 Delta R.T. 0.01 min  
 Lab File: BF109656.D  
 Acq: 8 Oct 2018 19:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.7  | 28.1  |
| 265     | 22.1  | 16.7  | 25.1  |





#87

Benzo(b)fluoranthene

Concen: 7.220 ng m

RT: 14.84 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

Instrument :

BNA\_F

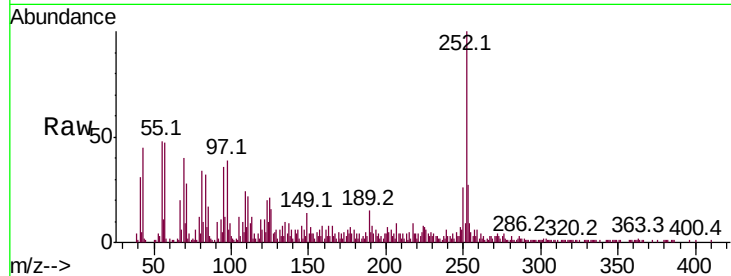
ClientSampleId :

STOCK-PILE-A

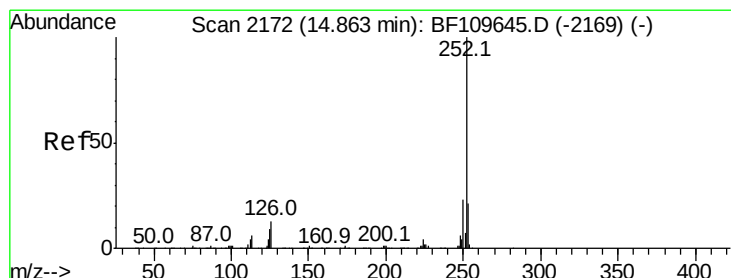
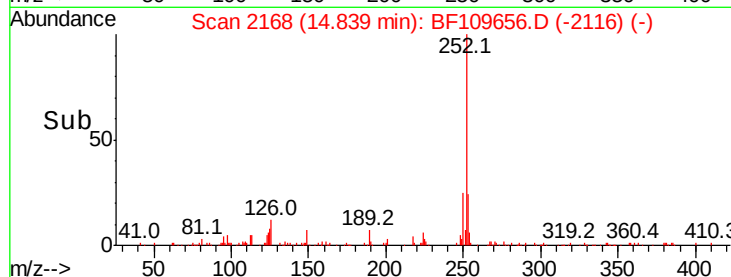
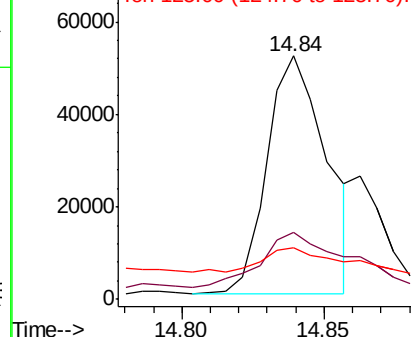
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 74757 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.3  | 17.2  | 25.8# |
| 125       | 21.1  | 8.2   | 12.4# |

Manual Integrations  
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Sohil  
10/9/2018 2:57:30 PM



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.071 ng m

RT: 14.86 min Scan# 2172

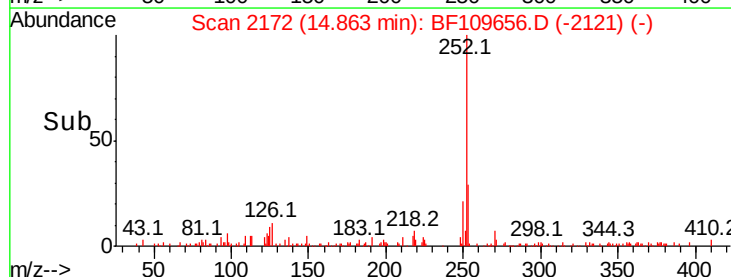
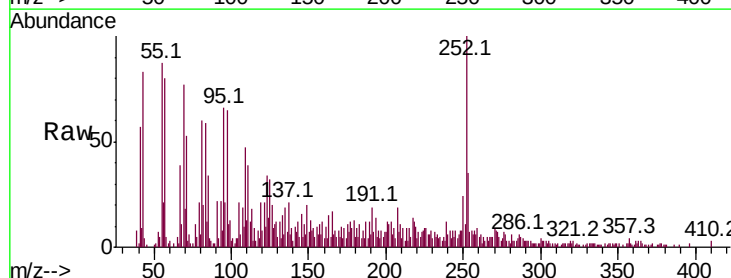
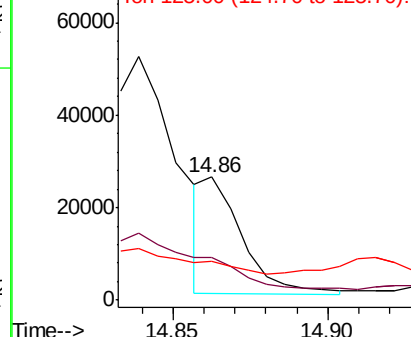
Delta R.T. 0.00 min

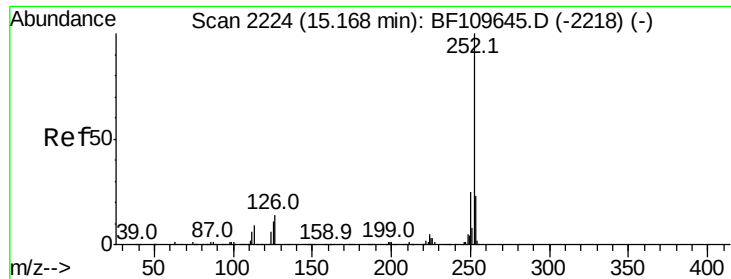
Lab File: BF109656.D

Acq: 8 Oct 2018 19:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 21543 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 34.8  | 17.2  | 25.8# |
| 125       | 32.1  | 7.4   | 11.0# |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





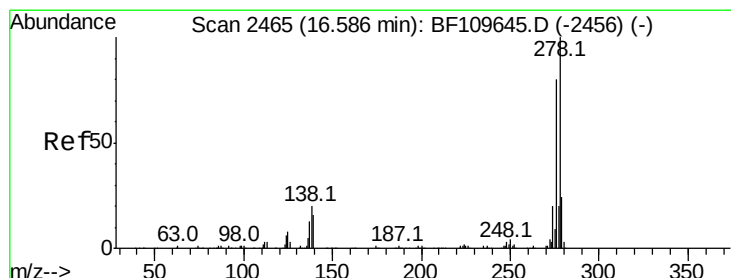
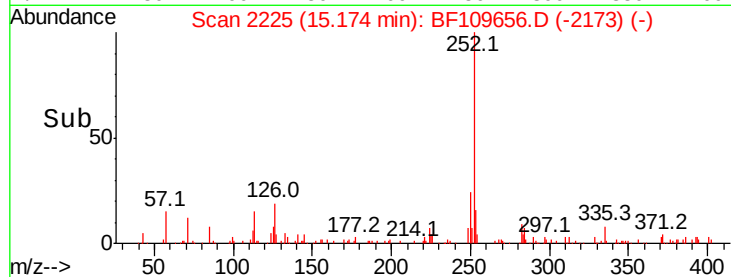
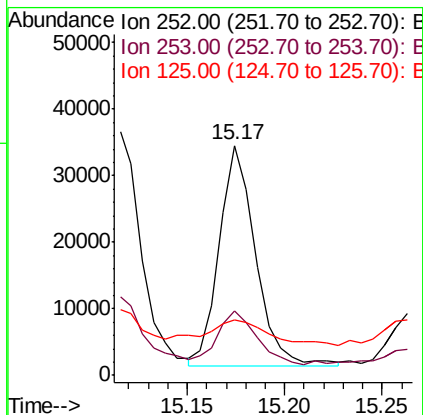
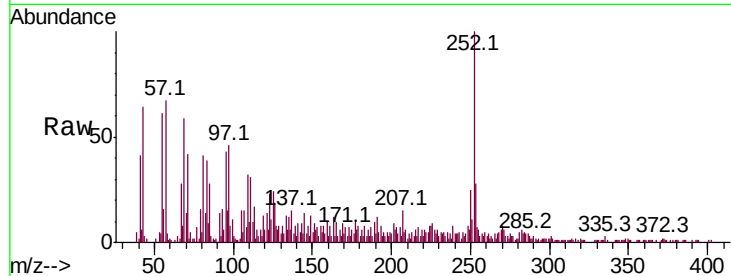
#89  
Benzo(a)pyrene  
Concen: 4.554 ng  
RT: 15.17 min Scan# 2225  
Delta R.T. 0.01 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.0  | 18.2  | 27.4# |
| 125     | 24.0  | 9.0   | 13.6# |

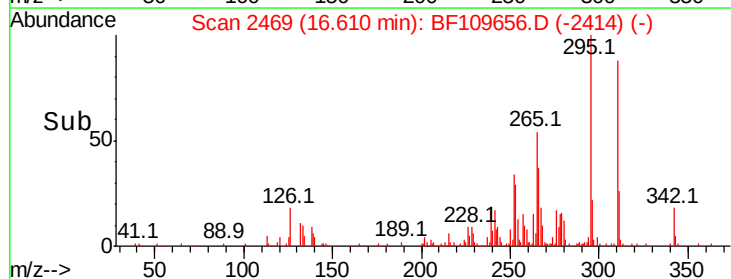
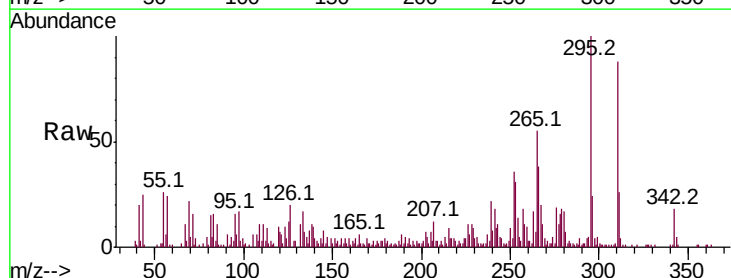
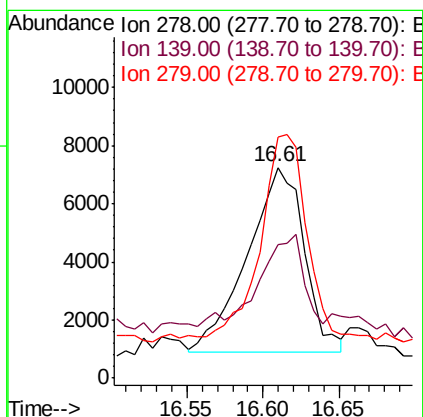
Manual Integrations  
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10/9/2018 2:57:30 PM

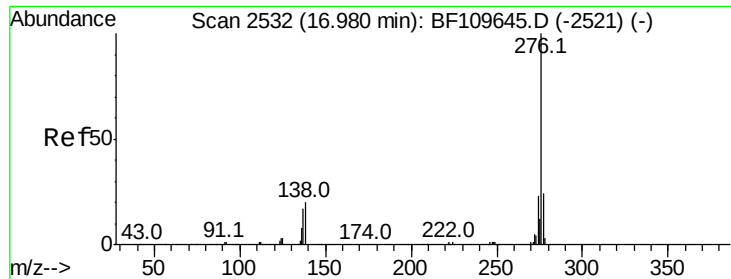


#90  
Dibenzo(a,h)anthracene  
Concen: 2.137 ng m  
RT: 16.61 min Scan# 2469  
Delta R.T. 0.02 min  
Lab File: BF109656.D  
Acq: 8 Oct 2018 19:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 63.4  | 12.7  | 19.1# |
| 279     | 114.5 | 19.0  | 28.4# |







#91  
 Benzo(a,h,i)perylene  
 Concen: 3.278 ng  
 RT: 16.99 min Scan# 2534  
 Delta R.T. 0.01 min  
 Lab File: BF109656.D  
 Acq: 8 Oct 2018 19:09

Instrument :  
 BNA\_F  
 ClientSampled :  
 STOCK-PILE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 31.2  | 18.8  | 28.2# |
| 138     | 28.4  | 16.0  | 24.0# |

Manual Integrations  
 APPROVED

Sohil  
 10/9/2018 2:57:30 PM

