

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\  
 Data File : BF108297.D  
 Acq On : 20 Aug 2018 18:30  
 Operator : JU/SJ  
 Sample : J4521-22  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11979

Manual Integrations  
 APPROVED

Sohil  
 8/21/2018 1:43:04 PM

Quant Time: Aug 21 01:18:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.01  | 152  | 178652   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.30  | 136  | 653120   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.06 | 164  | 287240   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.56 | 188  | 477163   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 14.22 | 240  | 349842   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.78 | 264  | 279715   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.65  | 112  | 831083   | 84.22  | ng    | 0.02           |
| 7) Phenol-d6                | 6.64  | 99   | 1116093  | 85.11  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.58  | 82   | 725112   | 61.95  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.85 | 330  | 239247   | 83.50  | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 1228983  | 68.69  | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.15 | 244  | 973297   | 70.74  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.76  | 163  | 97047    | 4.850  | ng    | Qvalue<br># 99 |
| 51) Acenaphthene            | 10.10 | 154  | 76591    | 4.726  | ng    | 98             |
| 54) Dibenzofuran            | 10.27 | 168  | 57286    | 2.440  | ng    | 98             |
| 57) Fluorene                | 10.61 | 166  | 118267   | 6.362  | ng    | 99             |
| 70) Phenanthrene            | 11.58 | 178  | 1239432  | 55.071 | ng    | 99             |
| 71) Anthracene              | 11.64 | 178  | 506598   | 21.962 | ng    | 99             |
| 72) Carbazole               | 11.78 | 167  | 64449    | 3.145  | ng    | 99             |
| 74) Fluoranthene            | 12.79 | 202  | 2315326  | 94.262 | ng    | 95             |
| 77) Pyrene                  | 13.02 | 202  | 2133361  | 96.320 | ng    | 96             |
| 80) Benzo(a)anthracene      | 14.21 | 228  | 1180583  | 58.802 | ng    | 97             |
| 82) Chrysene                | 14.25 | 228  | 973383   | 52.882 | ng    | 98             |
| 85) Indeno(1,2,3-cd)pyrene  | 17.41 | 276  | 371805   | 23.313 | ng    | # 88           |
| 87) Benzo(b)fluoranthene    | 15.32 | 252  | 1108297m | 66.309 | ng    |                |
| 88) Benzo(k)fluoranthene    | 15.34 | 252  | 308897m  | 20.105 | ng    |                |
| 89) Benzo(a)pyrene          | 15.72 | 252  | 749909   | 50.104 | ng    | 96             |
| 90) Dibenzo(a,h)anthracene  | 17.42 | 278  | 104635   | 8.449  | ng    | 93             |
| 91) Benzo(a,h,i)perylene    | 17.91 | 276  | 340405   | 27.915 | ng    | # 90           |

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

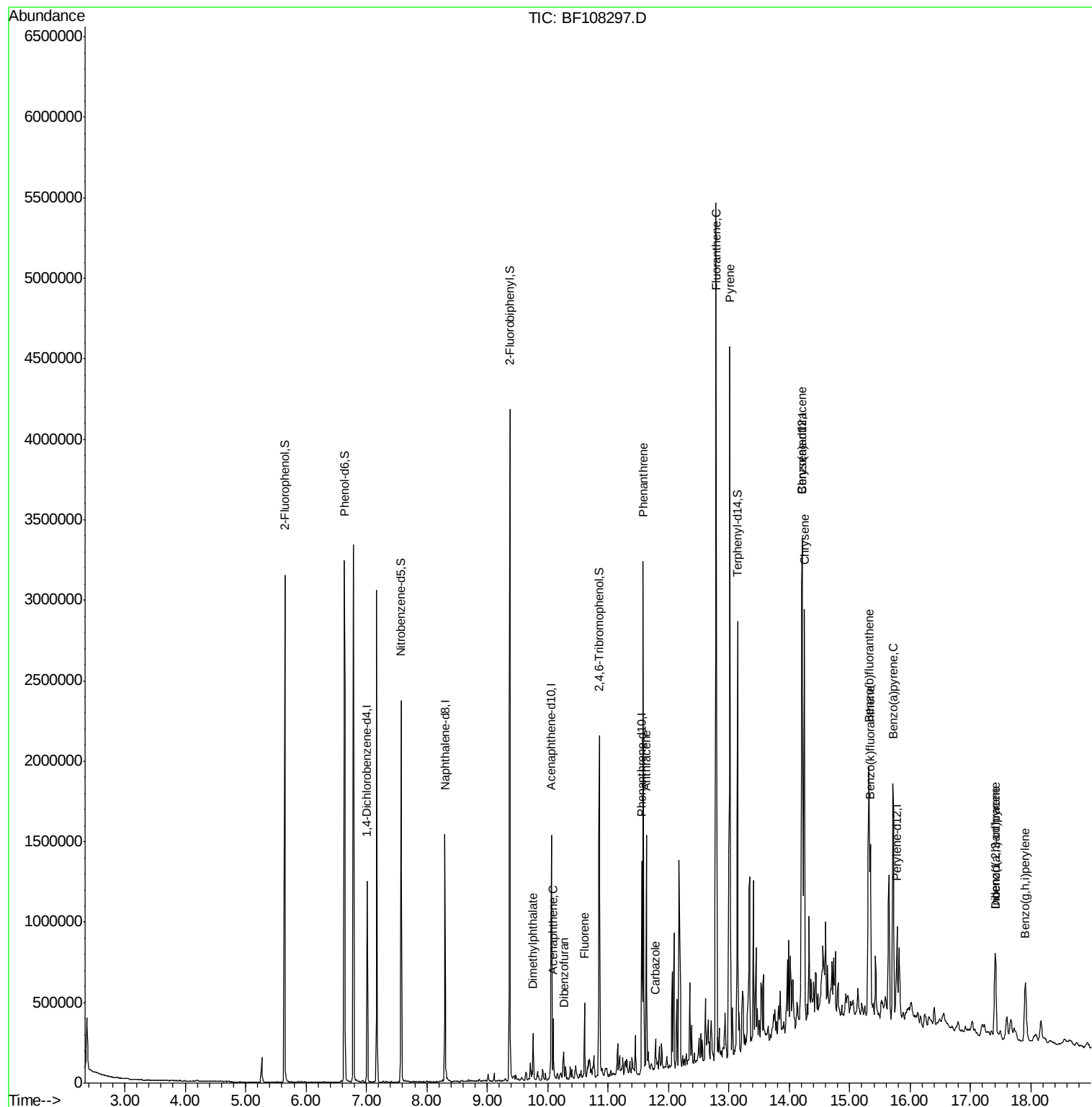
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\  
Data File : BF108297.D  
Acq On : 20 Aug 2018 18:30  
Operator : JU/SJ  
Sample : J4521-22  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
72-11979

Manual Integrations  
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Quant Time: Aug 21 01:18:17 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 08 12:24:24 2018  
Response via : Initial Calibration





#1

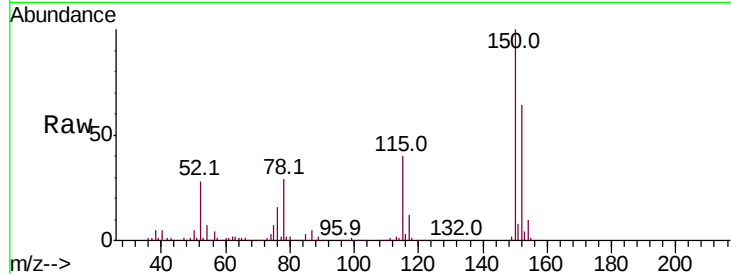
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.01 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampleId :  
72-11979

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 124.6 | 186.8 |
| 115     | 62.3  | 50.1  | 75.1  |

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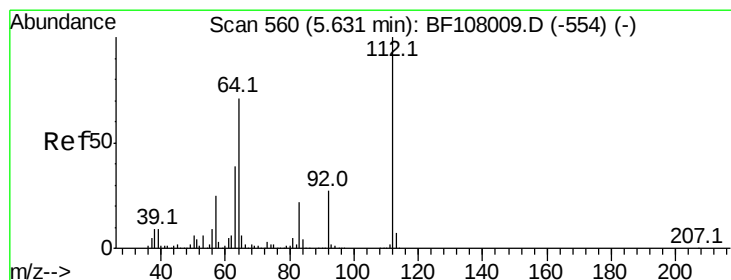
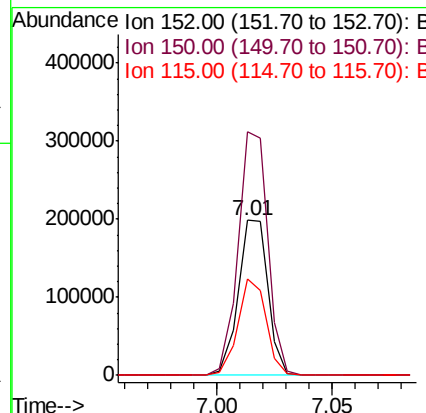
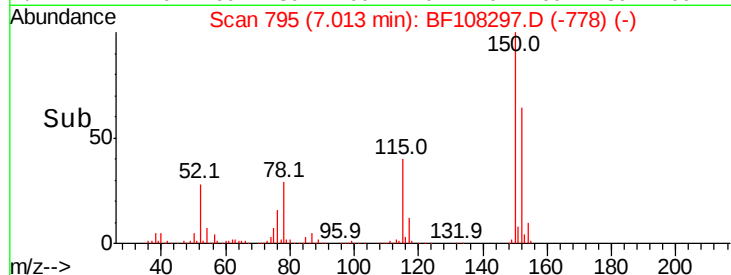


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

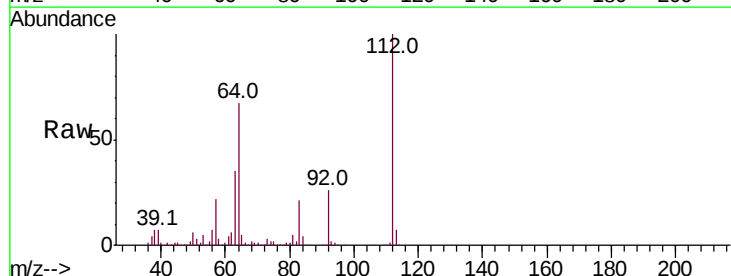
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 84.222 ng  
RT: 5.65 min Scan# 563  
Delta R.T. 0.02 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.8  | 47.9  | 71.9  |
| 63      | 35.0  | 23.7  | 35.5  |

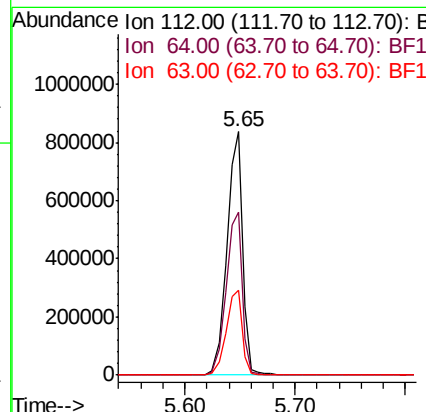
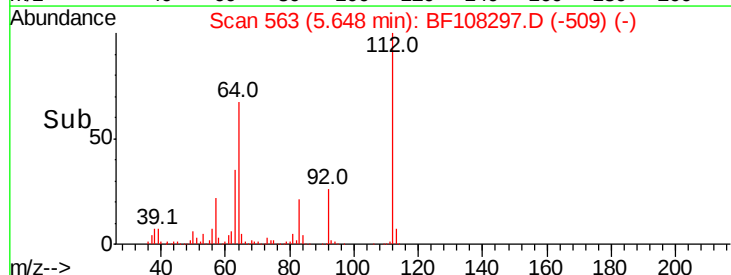


Abundance

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: 85.114 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108297.D

Acq: 20 Aug 2018 18:30

Instrument :

BNA\_F

ClientSampled :

72-11979

Tot Ion: 99 Resp: 1116093

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

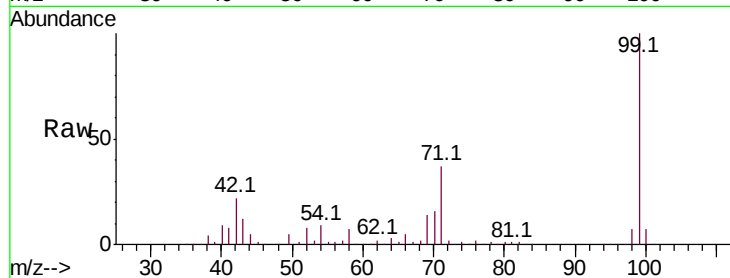
71 37.2 25.4 38.0

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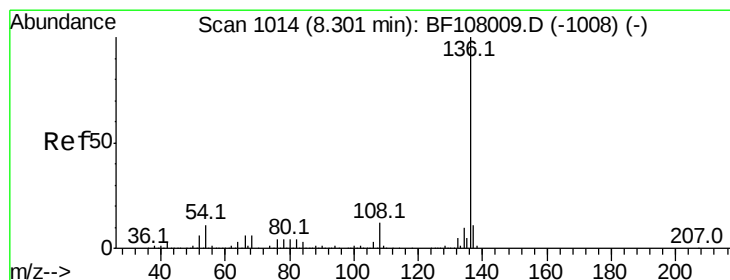
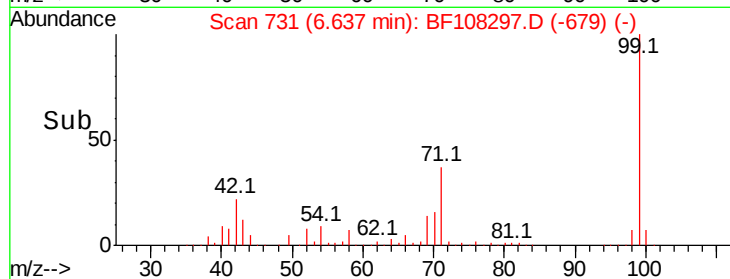
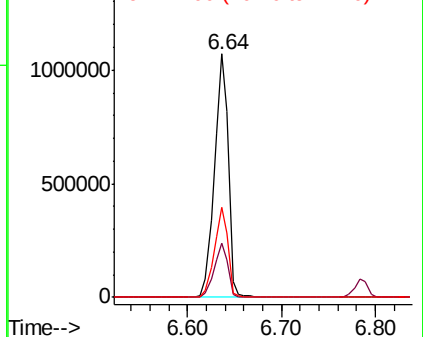
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108297.D

Acq: 20 Aug 2018 18:30

Tgt Ion: 136 Resp: 653120

Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.2 6.6 9.8

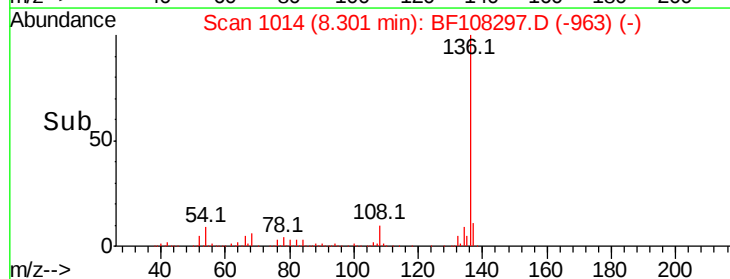
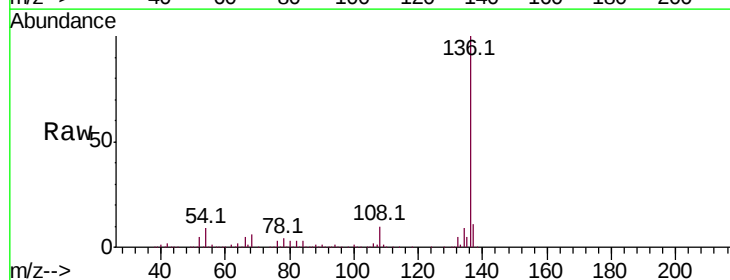
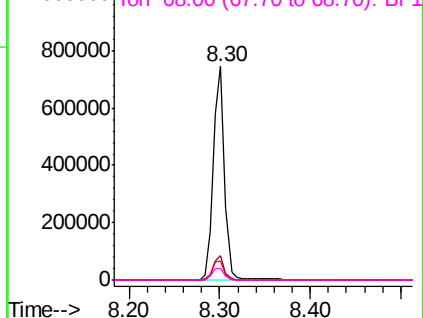
68 5.7 5.0 7.4

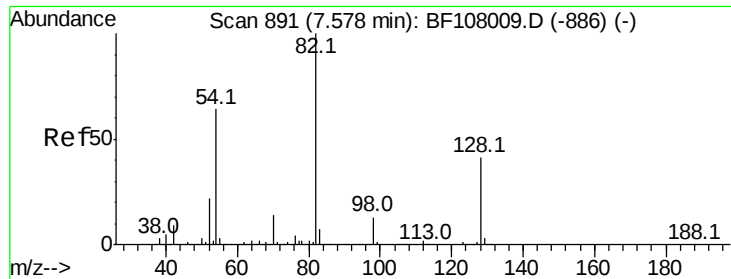
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





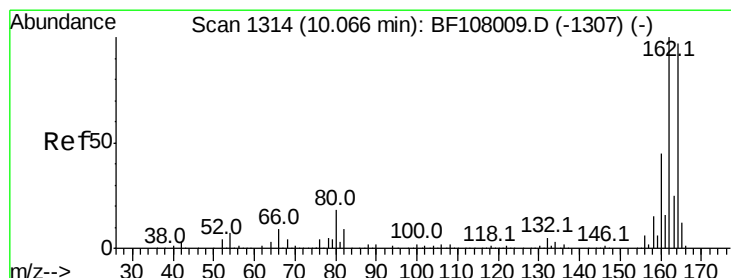
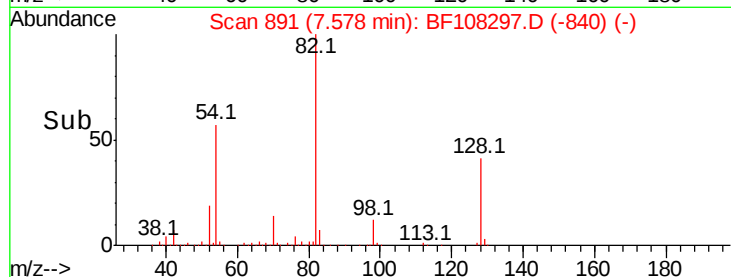
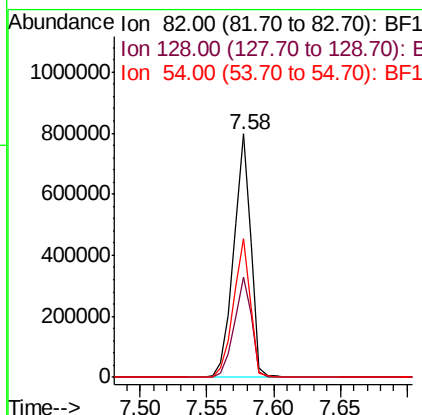
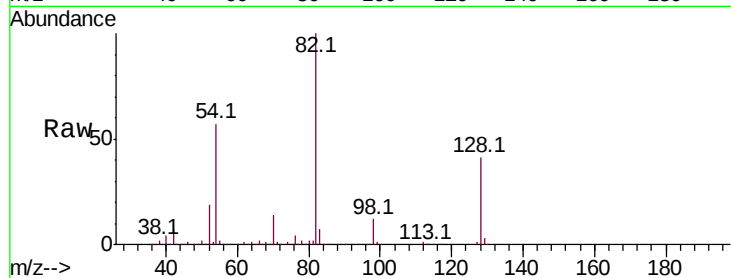
#23  
Nitrobenzene-d5  
Concen: 61.952 ng  
RT: 7.58 min Scan# 891  
Delta R.T. 0.00 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampled :  
72-11979

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.0  | 36.1  | 54.1  |
| 54      | 57.2  | 41.4  | 62.2  |

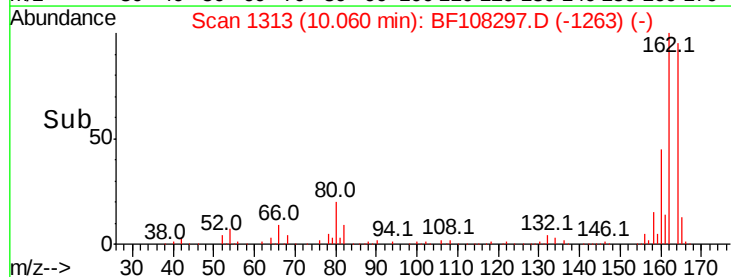
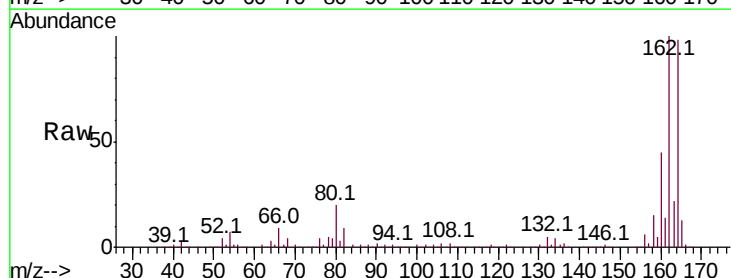
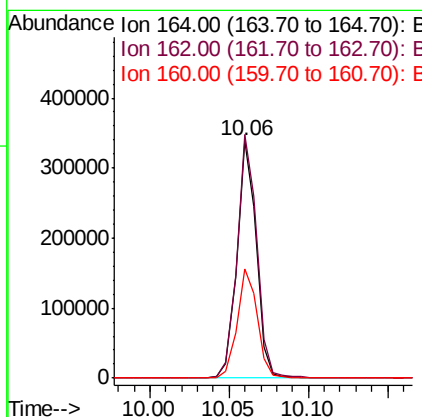
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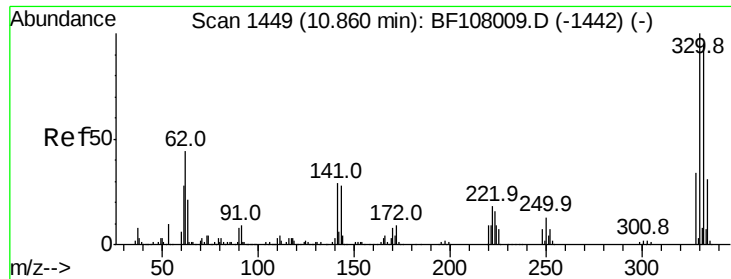
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.06 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.5 | 86.1  | 129.1 |
| 160     | 45.9  | 38.3  | 57.5  |





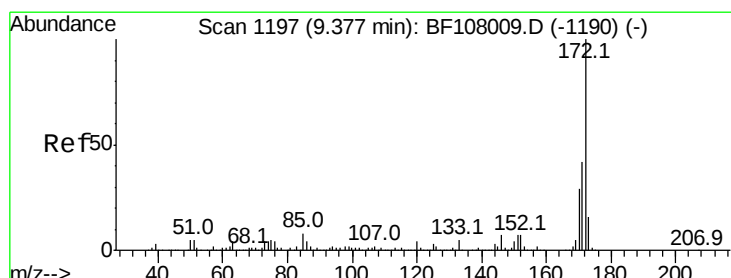
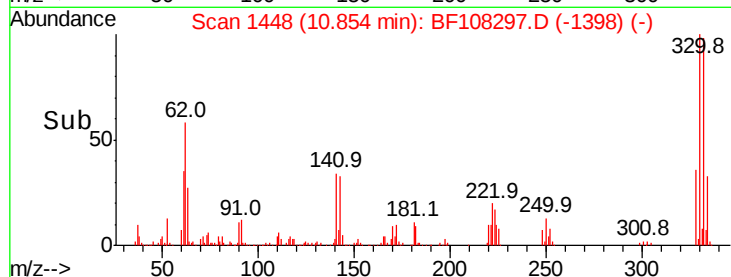
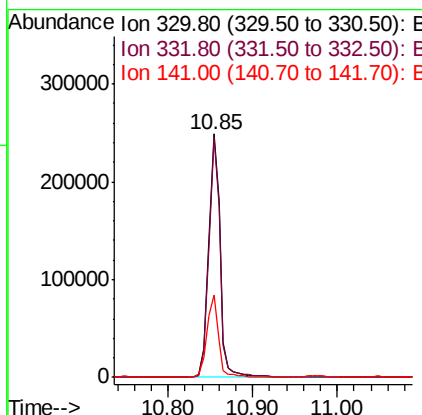
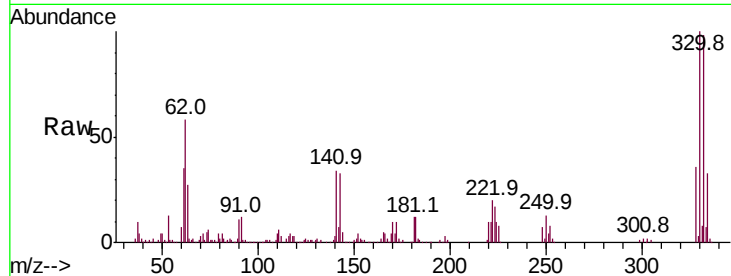
#41  
 2,4,6-Tribromophenol  
 Concen: 83.503 ng  
 RT: 10.85 min Scan# 1448  
 Delta R.T. -0.01 min  
 Lab File: BF108297.D  
 Acq: 20 Aug 2018 18:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 72-11979

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 239247 |       |       |
| 332     | 97.1  | 77.0   | 115.6 |       |
| 141     | 32.8  | 29.9   | 44.9  |       |

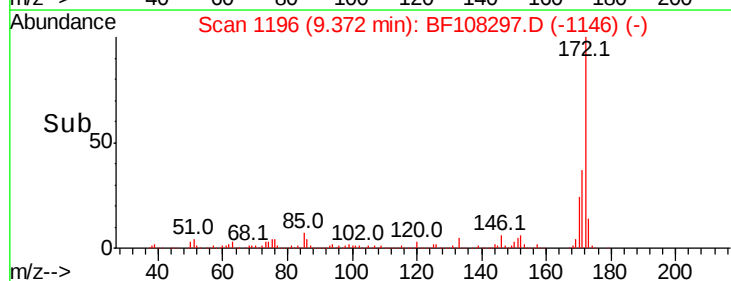
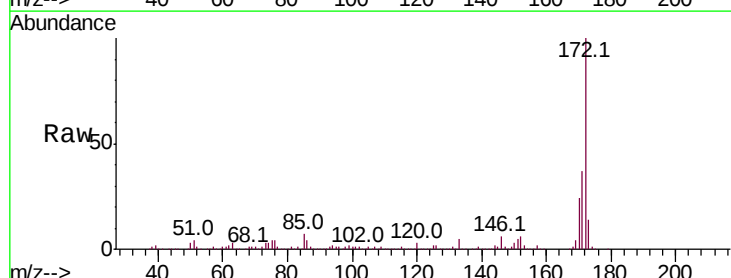
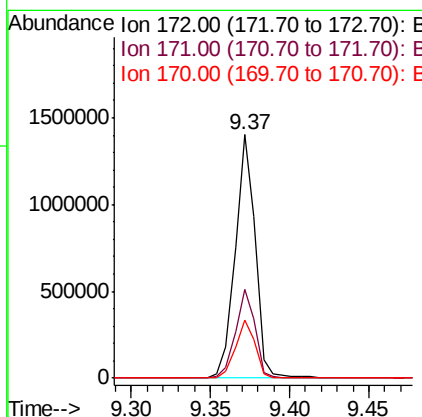
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#44  
 2-Fluorobiphenyl  
 Concen: 68.691 ng  
 RT: 9.37 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF108297.D  
 Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1228983 |       |       |
| 171     | 36.5  | 29.7    | 44.5  |       |
| 170     | 23.9  | 19.6    | 29.4  |       |





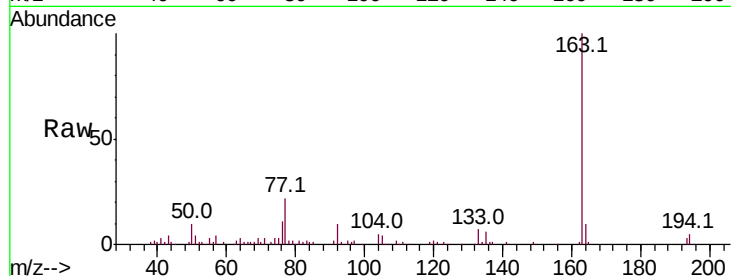
#49  
Dimethylphthalate  
Concen: 4.850 ng  
RT: 9.76 min Scan# 1262  
Delta R.T. -0.02 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampled :  
72-11979

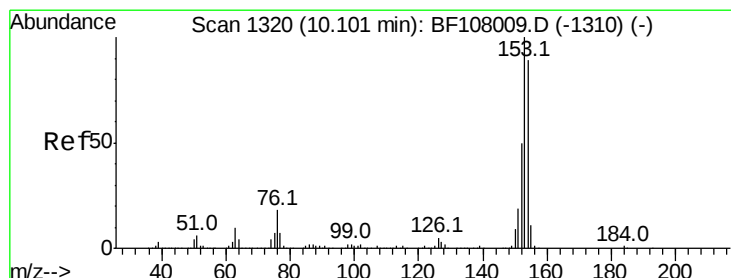
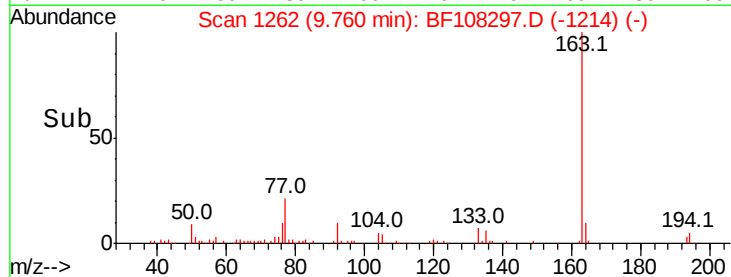
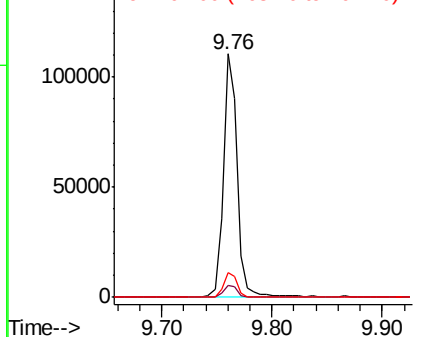
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.9   | 2.7   | 4.1#  |
| 164     | 10.2  | 8.2   | 12.2  |

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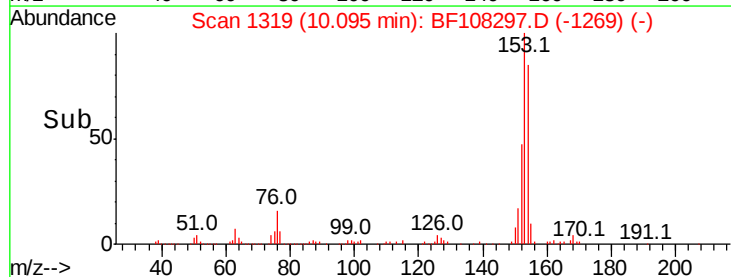
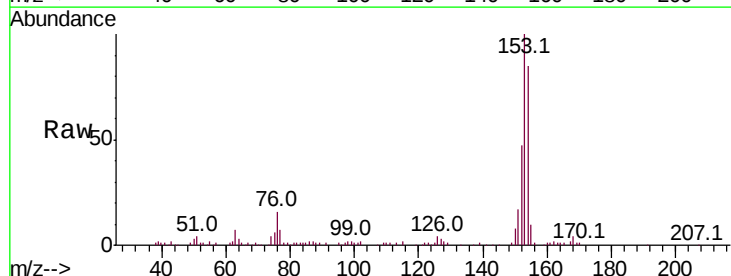
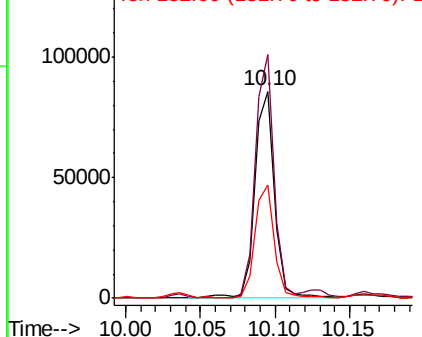
Abundance Ion 163.00 (162.70 to 163.70): E  
150000  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

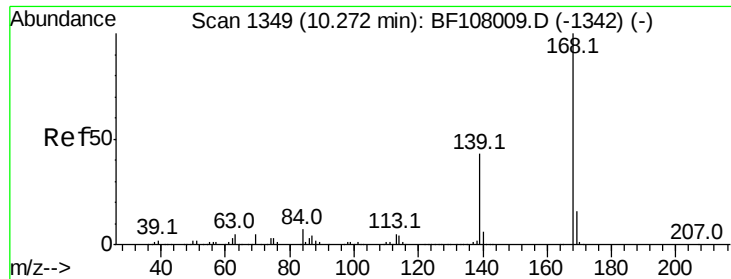


#51  
Acenaphthene  
Concen: 4.726 ng  
RT: 10.10 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 117.7 | 91.2  | 136.8 |
| 152     | 54.8  | 43.8  | 65.8  |

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





#54

Dibenzofuran

Concen: 2.440 ng

RT: 10.27 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF108297.D

Acq: 20 Aug 2018 18:30

Instrument :

BNA\_F

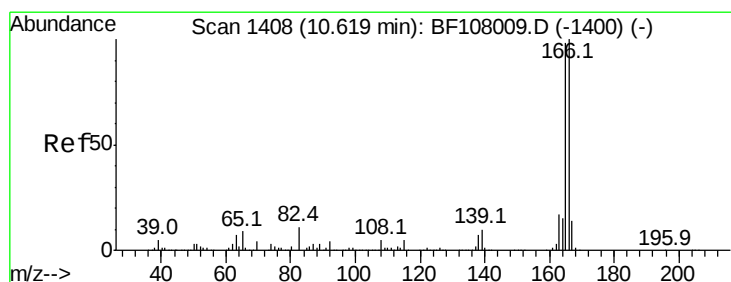
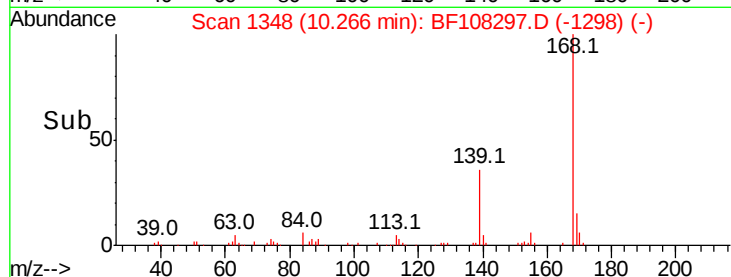
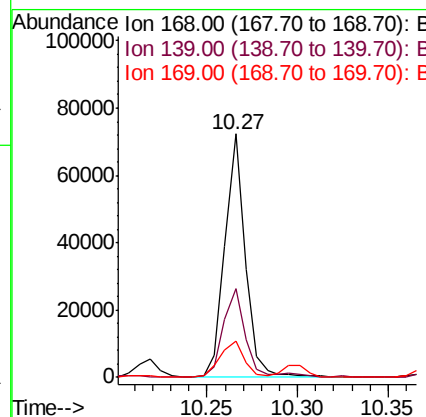
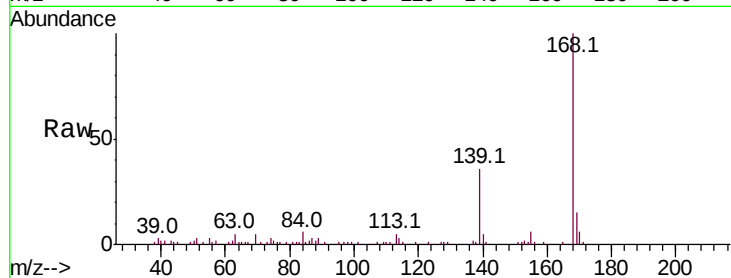
ClientSampled :

72-11979

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 168   | Resp: | 57286 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 36.3  | 30.1  | 45.1  |
| 169       | 14.7  | 10.9  | 16.3  |

Manual Integrations  
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#57

Fluorene

Concen: 6.362 ng

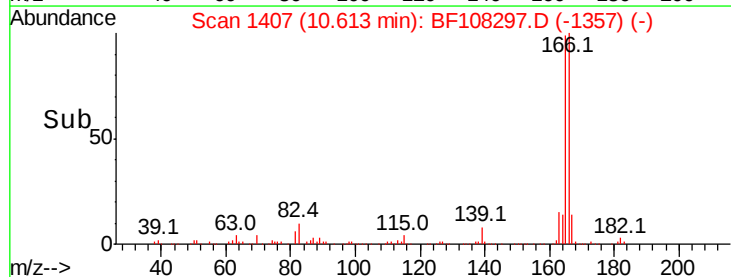
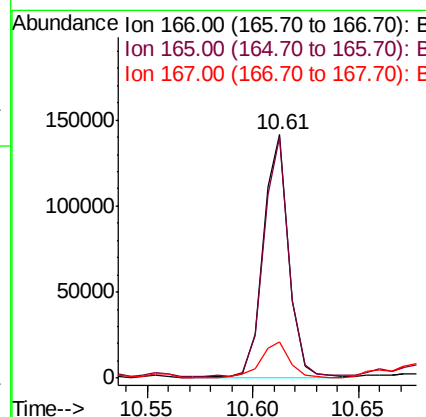
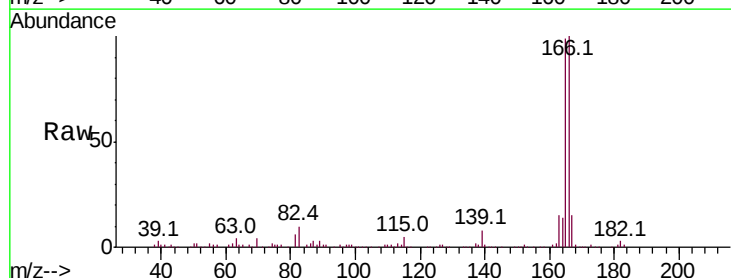
RT: 10.61 min Scan# 1407

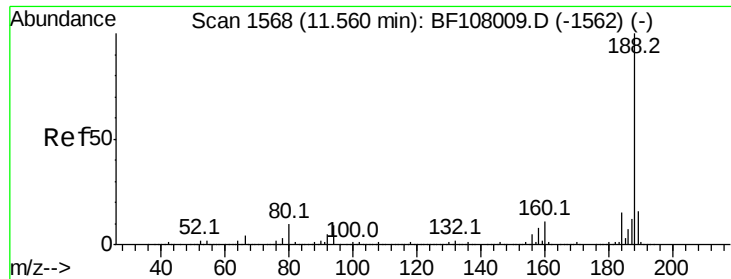
Delta R.T. -0.01 min

Lab File: BF108297.D

Acq: 20 Aug 2018 18:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 118267 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 99.1  | 79.8  | 119.8  |
| 167       | 14.7  | 10.6  | 16.0   |





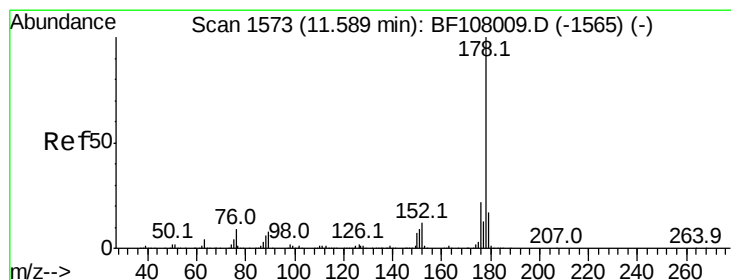
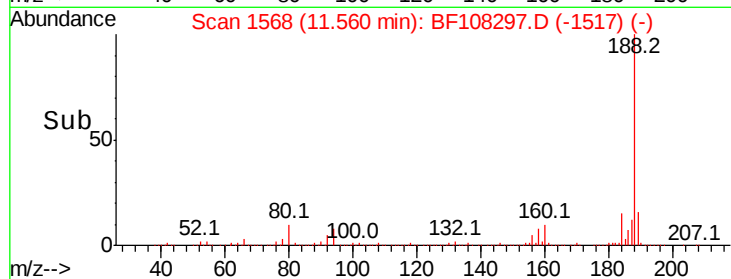
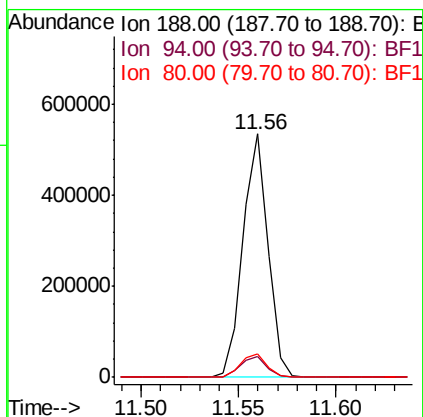
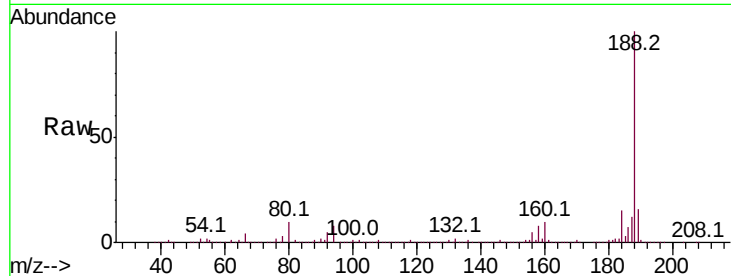
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.56 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampleId :  
72-11979

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 477163 |       |       |
| 94      | 8.4   |        | 8.5   | 12.7# |
| 80      | 9.5   |        | 9.2   | 13.8  |

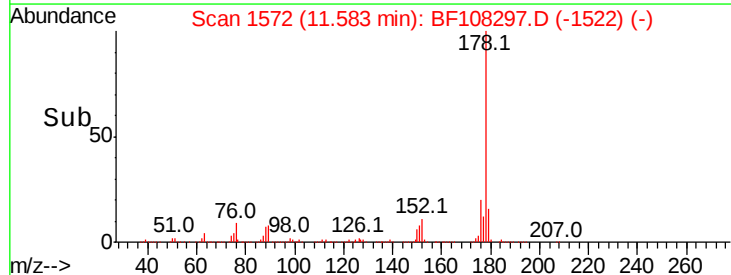
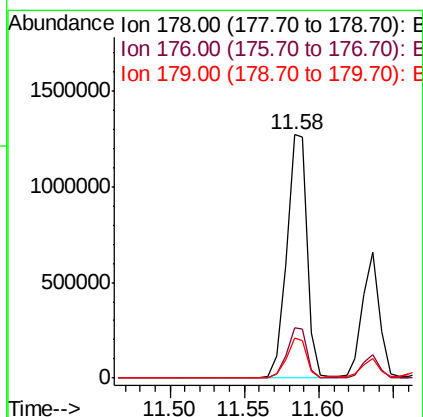
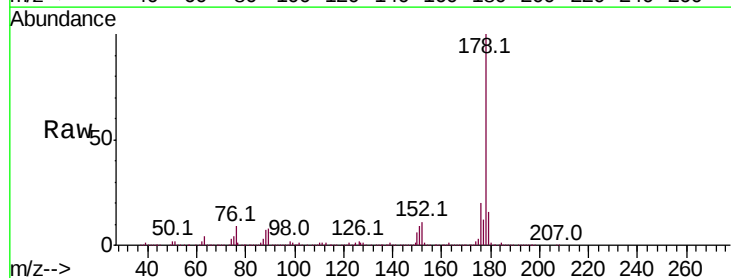
Manual Integrations  
APPROVED

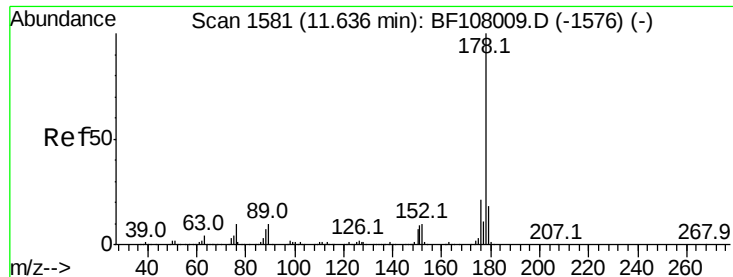
Sohil  
8/21/2018 1:43:04 PM



#70  
Phenanthrene  
Concen: 55.071 ng  
RT: 11.58 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1239432 |       |       |
| 176     | 20.5  |         | 15.8  | 23.8  |
| 179     | 16.4  |         | 13.0  | 19.6  |





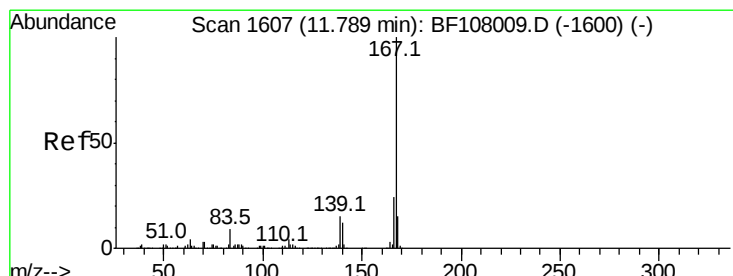
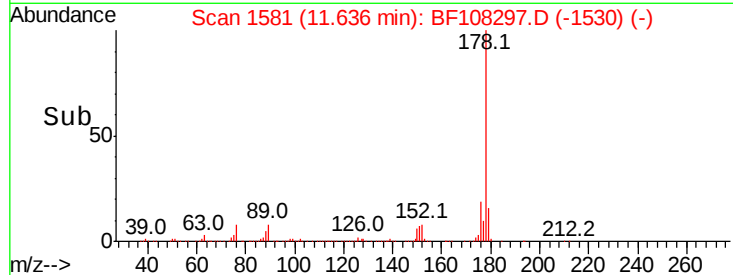
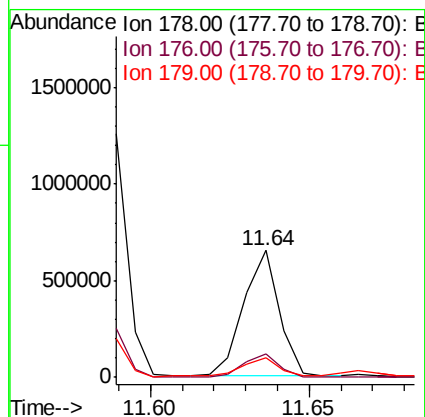
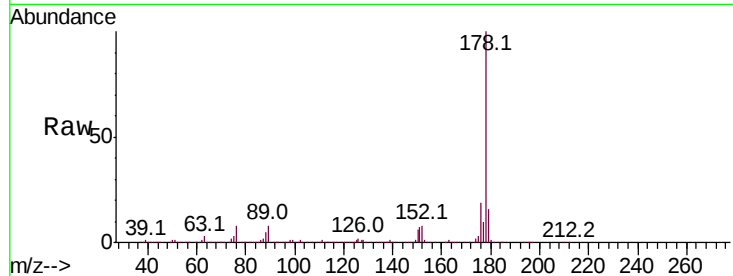
#71  
 Anthracene  
 Concen: 21.962 ng  
 RT: 11.64 min Scan# 1581  
 Delta R.T. 0.00 min  
 Lab File: BF108297.D  
 Acq: 20 Aug 2018 18:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11979

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 506598    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.9  | 15.4 23.2 |
| 179         | 15.9  | 12.6 19.0 |

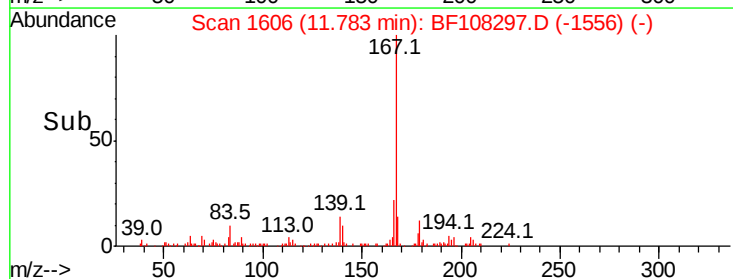
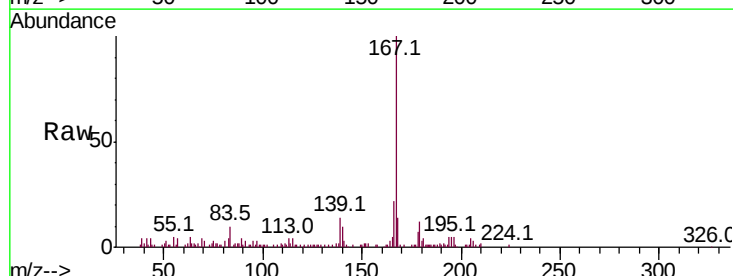
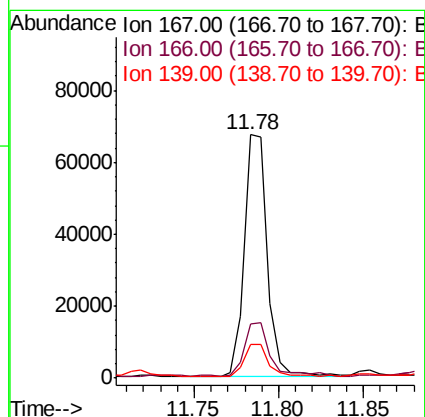
Manual Integrations  
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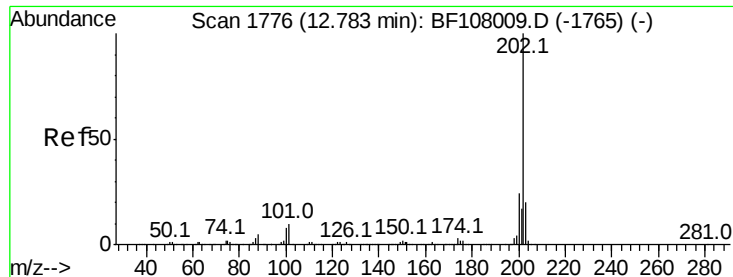
Sohil  
 8/21/2018 1:43:04 PM



#72  
 Carbazole  
 Concen: 3.145 ng  
 RT: 11.78 min Scan# 1606  
 Delta R.T. -0.01 min  
 Lab File: BF108297.D  
 Acq: 20 Aug 2018 18:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:167 | Resp: | 64449     |
| Ion Ratio   | Lower | Upper     |
| 167         | 100   |           |
| 166         | 22.4  | 17.6 26.4 |
| 139         | 13.8  | 10.9 16.3 |





#74

Fluoranthene

Concen: 94.262 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108297.D

Acq: 20 Aug 2018 18:30

Instrument :

BNA\_F

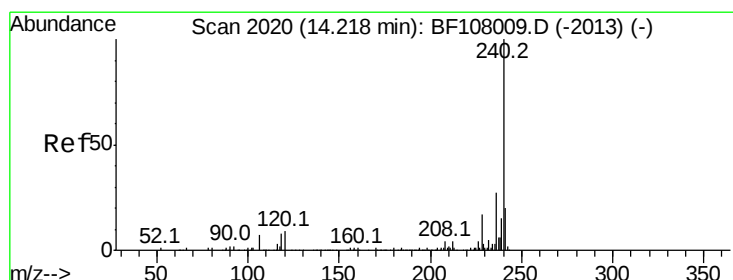
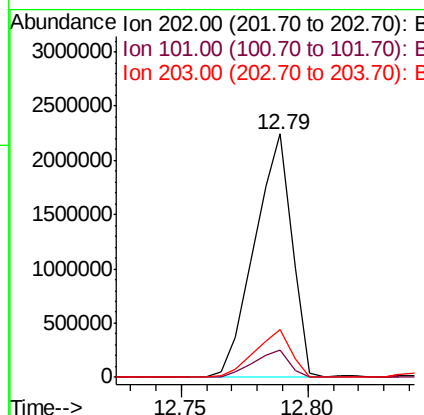
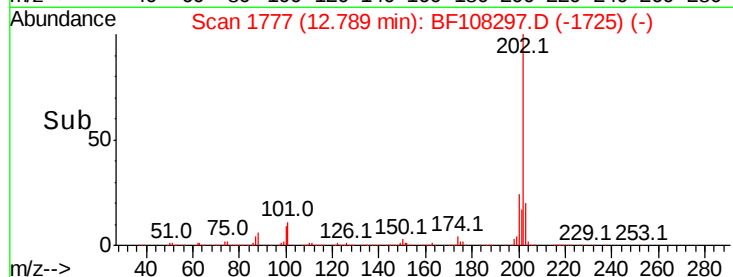
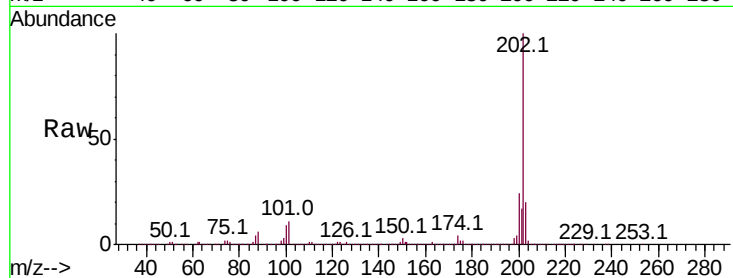
ClientSampleId :

72-11979

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 2315326 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 11.4  | 0.0   | 34.1    |
| 203      | 19.7  | 0.0   | 38.1    |

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#75

Chrysene-d12

Concen: 20.000 ng

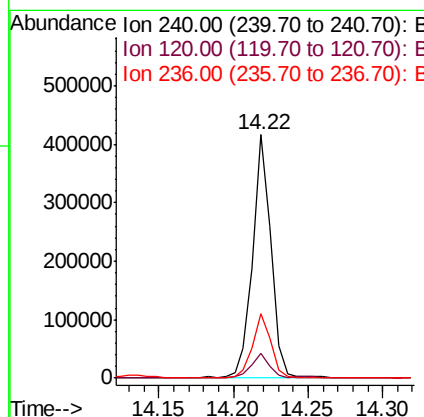
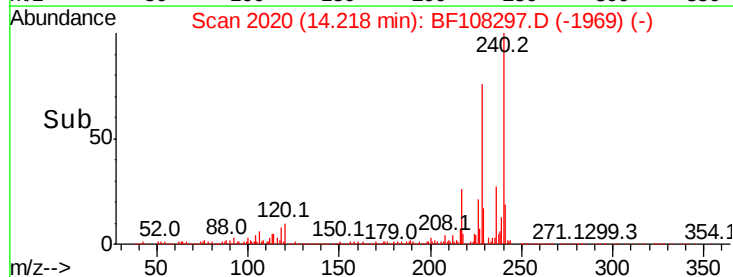
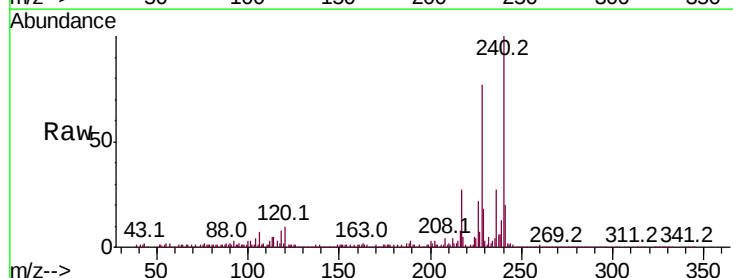
RT: 14.22 min Scan# 2020

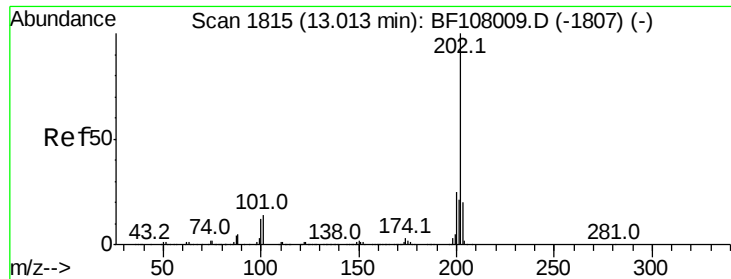
Delta R.T. 0.00 min

Lab File: BF108297.D

Acq: 20 Aug 2018 18:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 349842 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 10.1  | 9.5   | 14.3   |
| 236      | 26.7  | 20.7  | 31.1   |





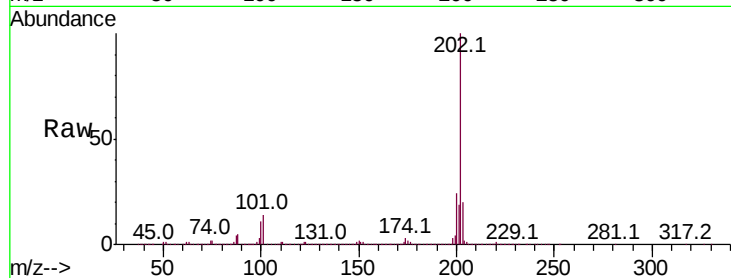
#77  
Pvrene  
Concen: 96.320 ng  
RT: 13.02 min Scan# 1816  
Delta R.T. 0.01 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampled :  
72-11979

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.7  | 17.4  | 26.2  |
| 203     | 19.9  | 14.3  | 21.5  |

Manual Integrations  
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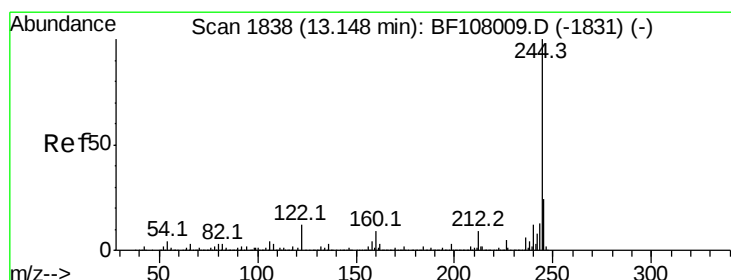
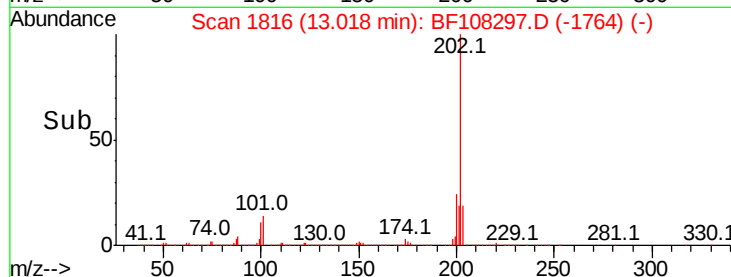
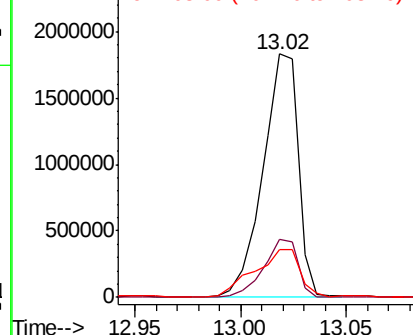


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78  
Terphenyl-d14  
Concen: 70.737 ng  
RT: 13.15 min Scan# 1838  
Delta R.T. 0.00 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

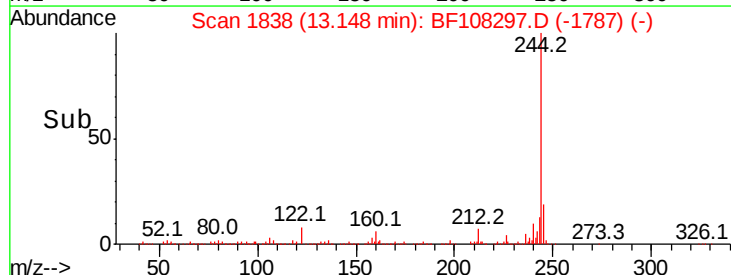
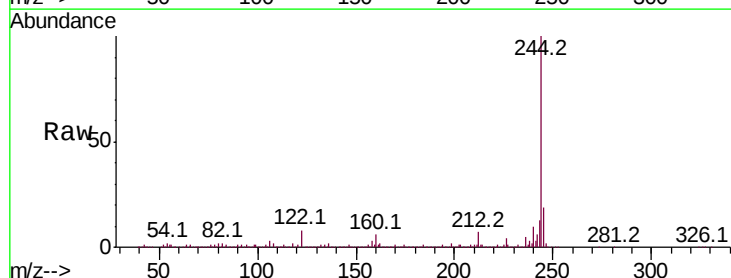
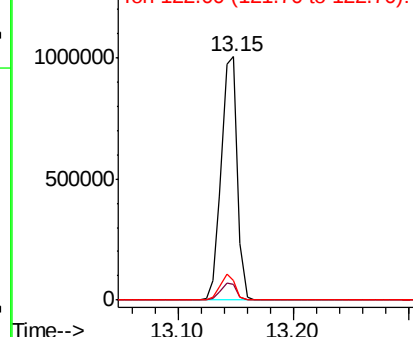
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.4   | 8.0   |
| 122     | 8.1   | 11.0  | 16.4  |

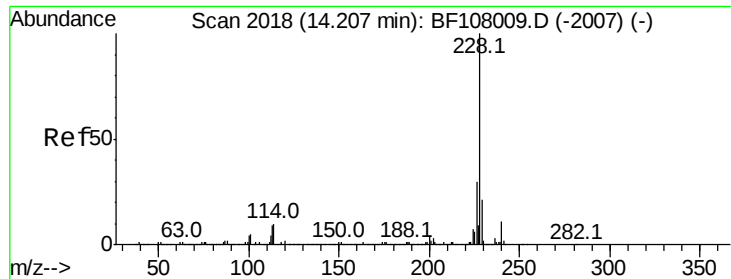
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





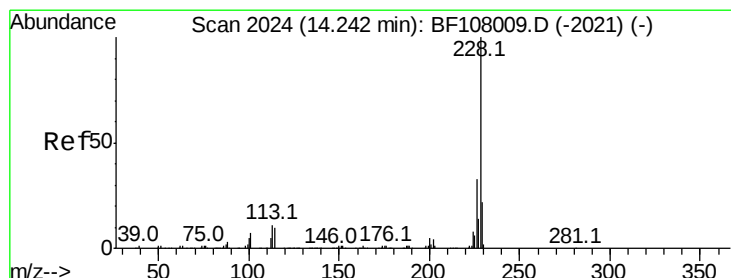
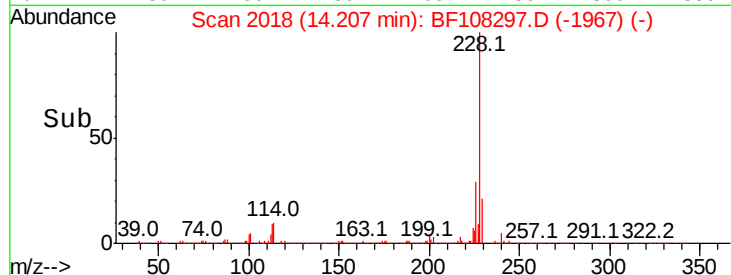
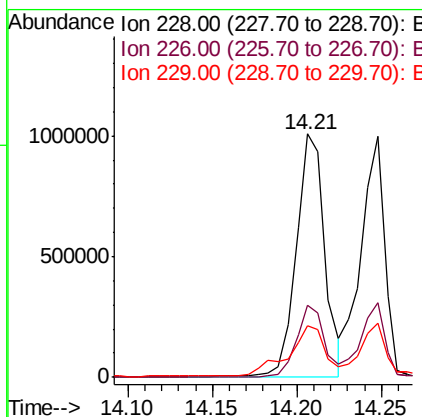
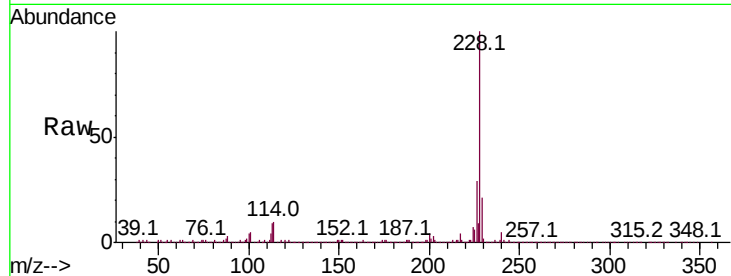
#80  
Benzo(a)anthracene  
Concen: 58.802 ng  
RT: 14.21 min Scan# 2018  
Delta R.T. 0.00 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampled :  
72-11979

Tot Ion:228 Resp: 1180583  
Ion Ratio Lower Upper  
228 100  
226 29.4 22.6 33.8  
229 21.3 15.8 23.6

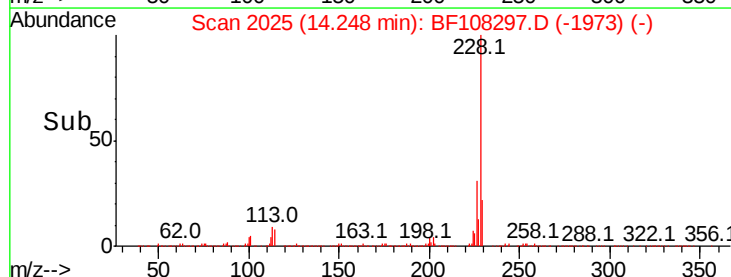
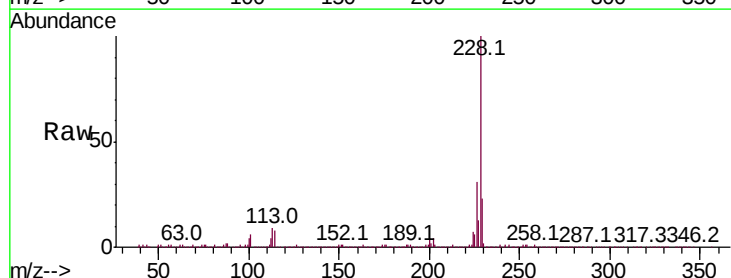
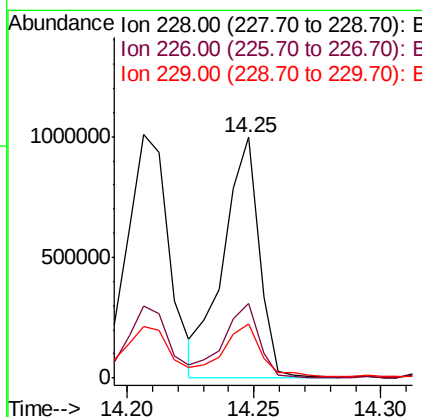
Manual Integrations  
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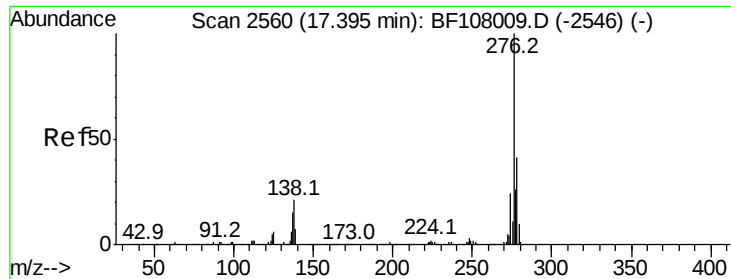
Sohil  
8/21/2018 1:43:04 PM



#82  
Chrysene  
Concen: 52.882 ng  
RT: 14.25 min Scan# 2025  
Delta R.T. 0.01 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Tgt Ion:228 Resp: 973383  
Ion Ratio Lower Upper  
228 100  
226 31.0 25.0 37.6  
229 22.7 16.2 24.4





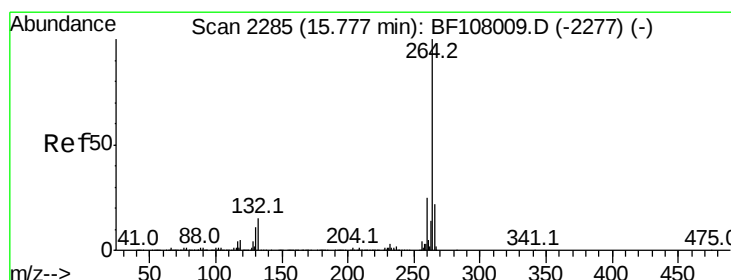
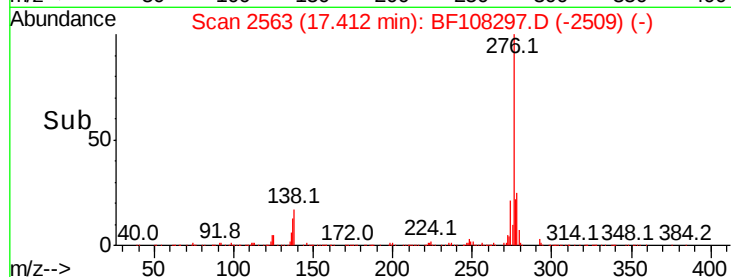
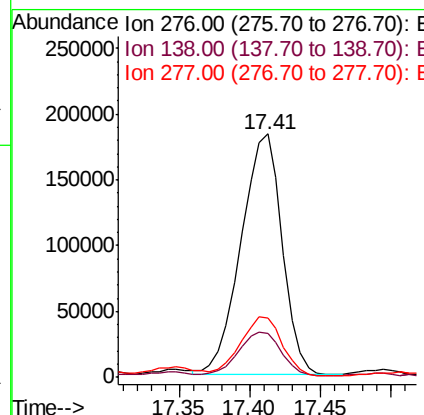
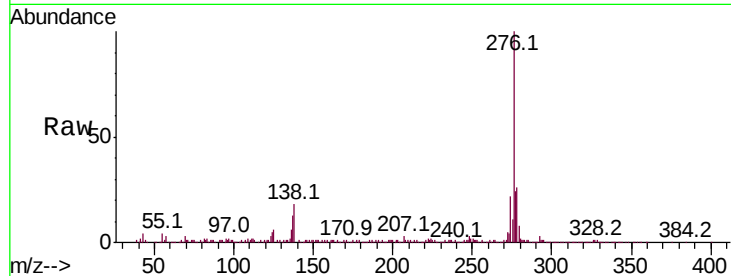
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 23.313 ng  
 RT: 17.41 min Scan# 2563  
 Delta R.T. 0.02 min  
 Lab File: BF108297.D  
 Acq: 20 Aug 2018 18:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 72-11979

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.2  | 25.0  | 37.6# |
| 277     | 25.0  | 20.1  | 30.1  |

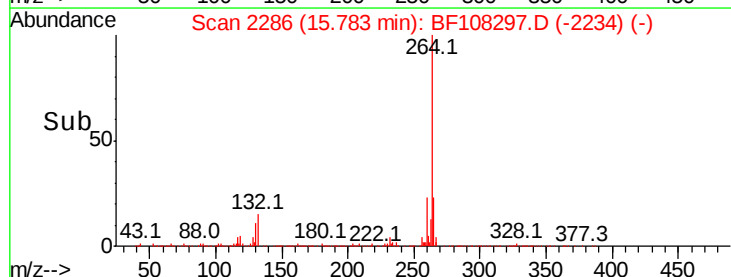
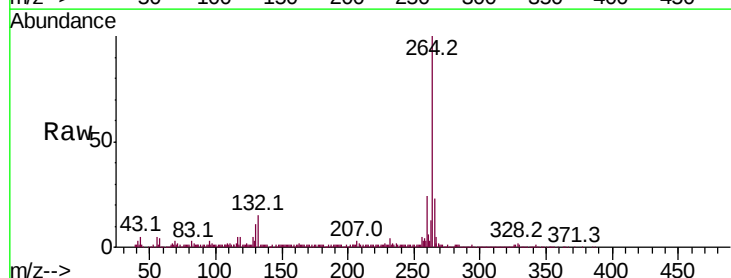
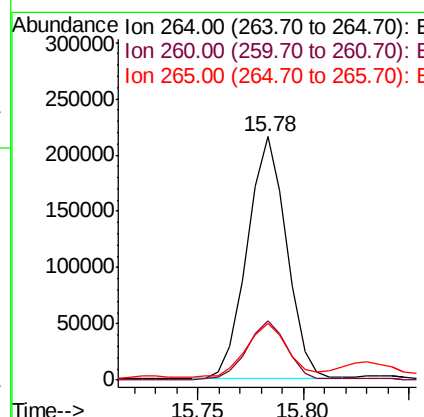
Manual Integrations  
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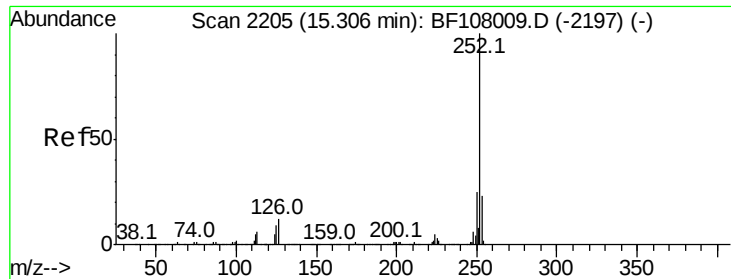
Sohil  
 8/21/2018 1:43:04 PM



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.78 min Scan# 2286  
 Delta R.T. 0.01 min  
 Lab File: BF108297.D  
 Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.2  | 28.8  |
| 265     | 23.3  | 17.5  | 26.3  |





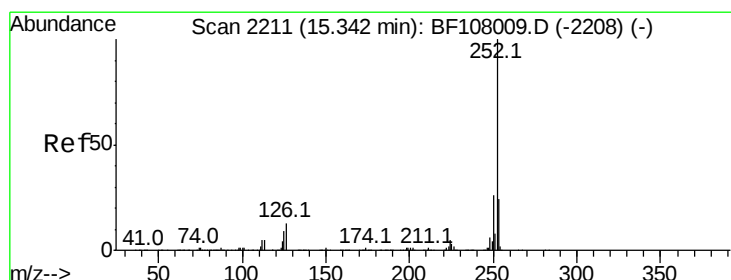
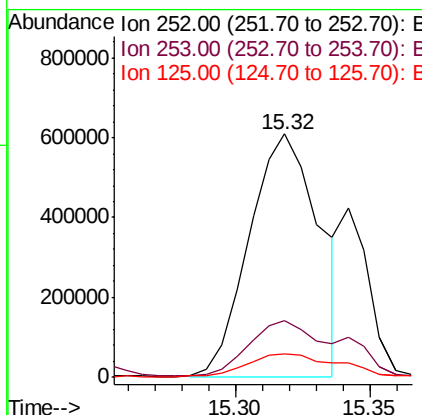
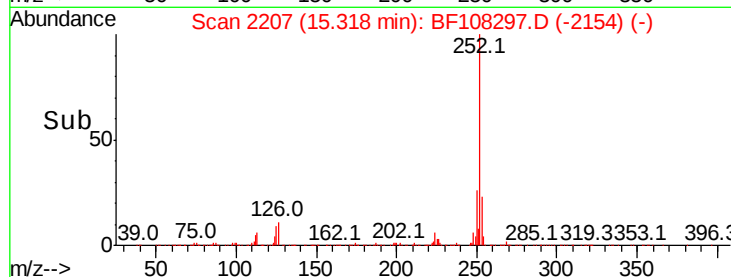
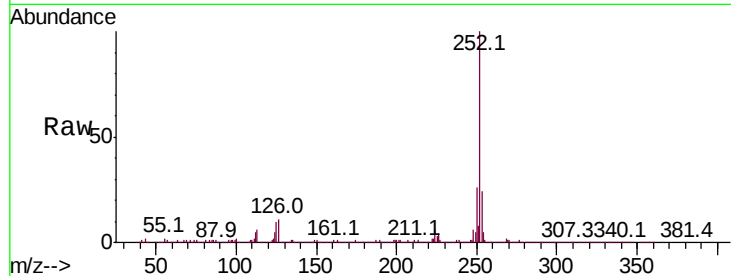
#87  
Benzo(b)fluoranthene  
Concen: 66.309 ng m  
RT: 15.32 min Scan# 2207  
Delta R.T. 0.01 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampleId :  
72-11979

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 17.0  | 25.6  |
| 125     | 9.9   | 9.0   | 13.6  |

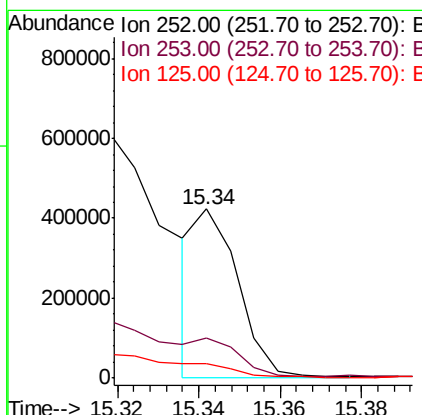
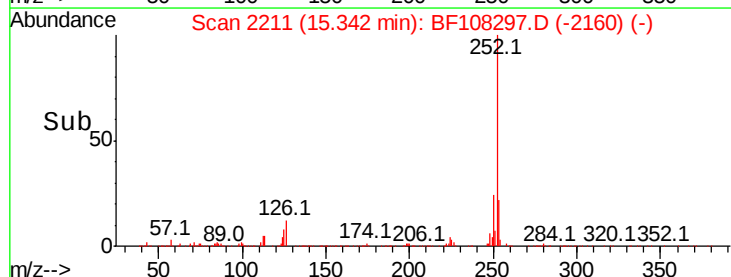
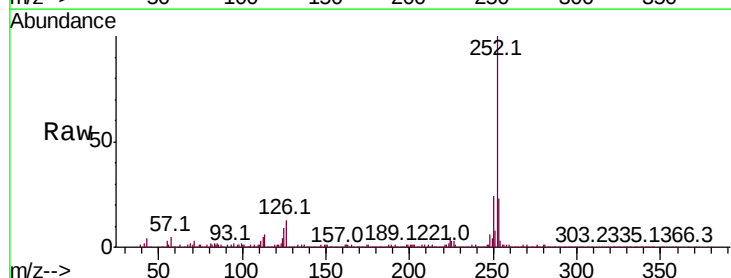
Manual Integrations  
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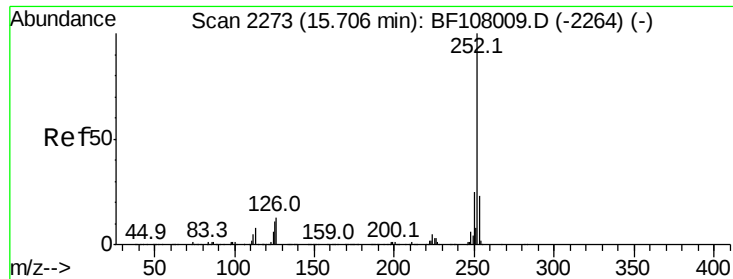
Sohil  
8/21/2018 1:43:04 PM



#88  
Benzo(k)fluoranthene  
Concen: 20.105 ng m  
RT: 15.34 min Scan# 2211  
Delta R.T. 0.00 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.9  | 26.9  |
| 125     | 8.8   | 10.2  | 15.2# |





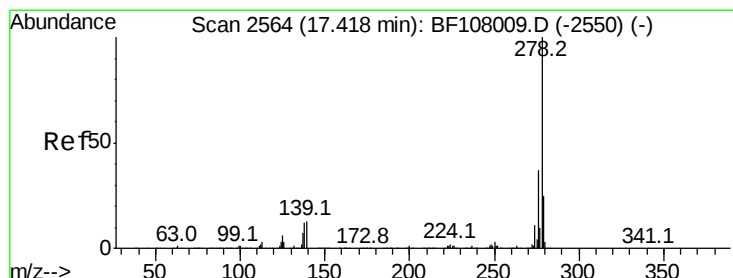
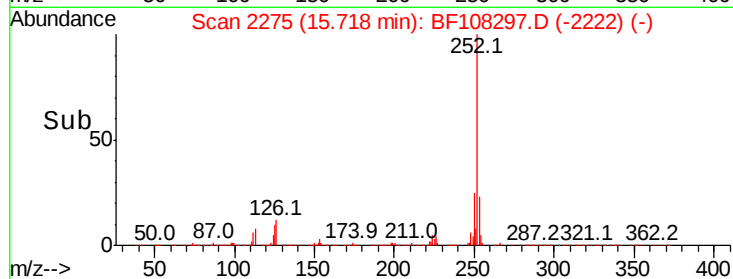
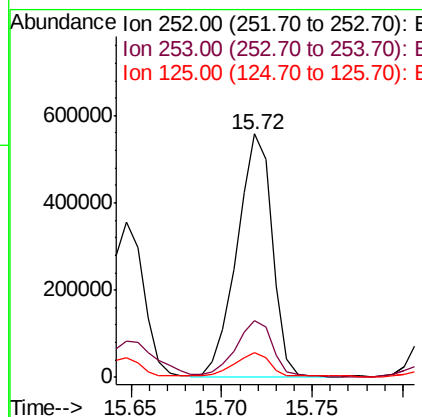
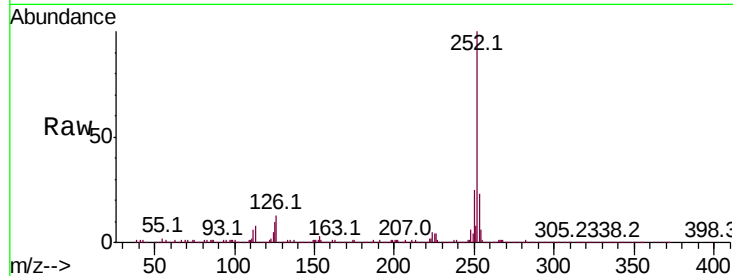
#89  
Benzo(a)pyrene  
Concen: 50.104 ng  
RT: 15.72 min Scan# 2275  
Delta R.T. 0.01 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

Instrument :  
BNA\_F  
ClientSampleId :  
72-11979

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.1  | 25.7  |
| 125     | 10.4  | 9.8   | 14.6  |

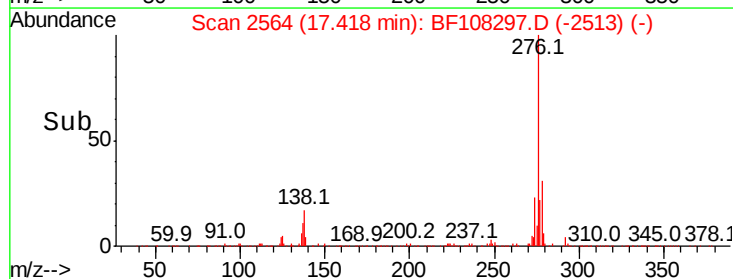
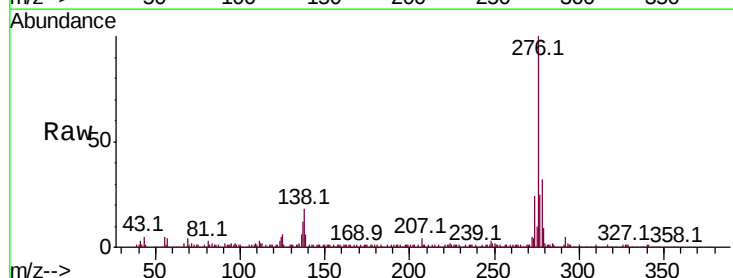
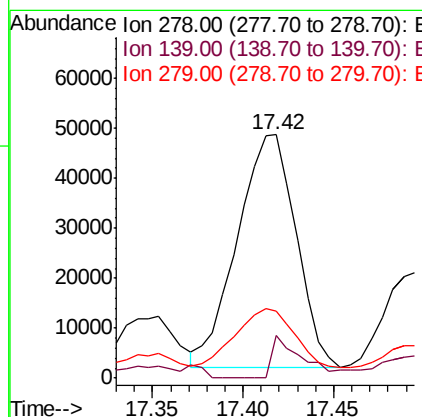
Manual Integrations  
APPROVED

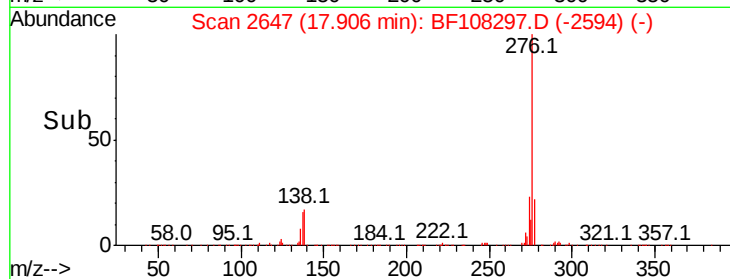
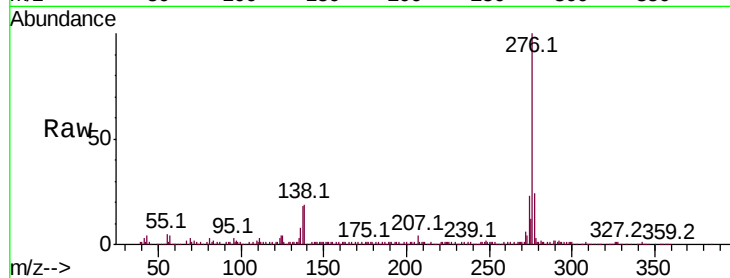
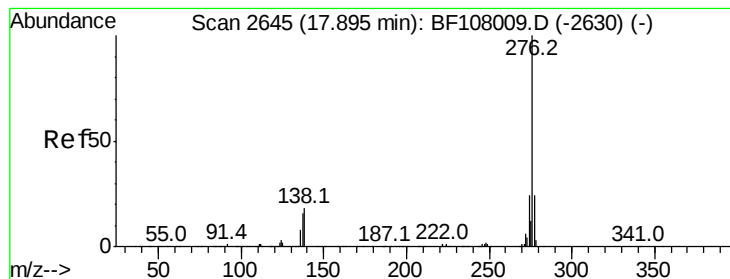
Sohil  
8/21/2018 1:43:04 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 8.449 ng  
RT: 17.42 min Scan# 2564  
Delta R.T. 0.00 min  
Lab File: BF108297.D  
Acq: 20 Aug 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.3  | 15.9  | 23.9  |
| 279     | 27.7  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 27.915 ng  
 RT: 17.91 min Scan# 2647  
 Delta R.T. 0.01 min  
 Lab File: BF108297.D  
 Acq: 20 Aug 2018 18:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11979

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 24.1  | 17.9       | 26.9  |
| 138     | 19.1  | 21.8       | 32.8# |

Manual Integrations  
 APPROVED

Sohil  
 8/21/2018 1:43:04 PM

