

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\  
 Data File : BF108071.D  
 Acq On : 10 Aug 2018 00:40  
 Operator : JU/SJ  
 Sample : J4388-07 5X  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHA-1

Manual Integrations  
 APPROVED

Sohil  
 8/10/2018 12:13:38 PM

Quant Time: Aug 10 03:37:19 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  | 299455   | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.30  | 136  | 1095044  | 20.00   | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.06 | 164  | 461390   | 20.00   | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.56 | 188  | 741956   | 20.00   | ng    | 0.00     |
| 75) Chrysene-d12            | 14.22 | 240  | 683742   | 20.00   | ng    | 0.00     |
| 86) Perylene-d12            | 15.78 | 264  | 543750   | 20.00   | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 550196   | 33.26   | ng    | 0.00     |
| 7) Phenol-d6                | 6.62  | 99   | 736567   | 33.51   | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 443887   | 22.62   | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.85 | 330  | 112321   | 24.41   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 703249   | 24.47   | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.15 | 244  | 573839   | 21.34   | ng    | 0.00     |
| Target Compounds            |       |      |          |         |       |          |
| 31) Naphthalene             | 8.32  | 128  | 166808   | 3.350   | ng    | 99       |
| 48) Acenaphthylene          | 9.92  | 152  | 108491   | 2.552   | ng    | 98       |
| 49) Dimethylphthalate       | 9.77  | 163  | 69655    | 2.167   | ng    | # 95     |
| 51) Acenaphthene            | 10.10 | 154  | 189292   | 7.271   | ng    | 99       |
| 54) Dibenzofuran            | 10.27 | 168  | 289971   | 7.688   | ng    | 99       |
| 57) Fluorene                | 10.61 | 166  | 507696   | 17.003  | ng    | 99       |
| 70) Phenanthrene            | 11.59 | 178  | 3392442m | 96.940  | ng    |          |
| 71) Anthracene              | 11.64 | 178  | 1365653  | 38.075  | ng    | 98       |
| 72) Carbazole               | 11.78 | 167  | 496878   | 15.592  | ng    | 99       |
| 74) Fluoranthene            | 12.79 | 202  | 4227628  | 110.691 | ng    | 91       |
| 77) Pyrene                  | 13.02 | 202  | 3706591  | 85.626  | ng    | # 89     |
| 80) Benzo(a)anthracene      | 14.21 | 228  | 2263865  | 57.693  | ng    | 94       |
| 82) Chrysene                | 14.25 | 228  | 1933791m | 53.754  | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 17.39 | 276  | 432434   | 13.873  | ng    | # 89     |
| 87) Benzo(b)fluoranthene    | 15.31 | 252  | 1660164m | 51.096  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.34 | 252  | 676102m  | 22.637  | ng    |          |
| 89) Benzo(a)pyrene          | 15.71 | 252  | 1089810  | 37.457  | ng    | 95       |
| 90) Dibenzo(a,h)anthracene  | 17.41 | 278  | 128038   | 5.319   | ng    | 93       |
| 91) Benzo(a,h,i)perylene    | 17.89 | 276  | 351526   | 14.829  | ng    | # 90     |

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

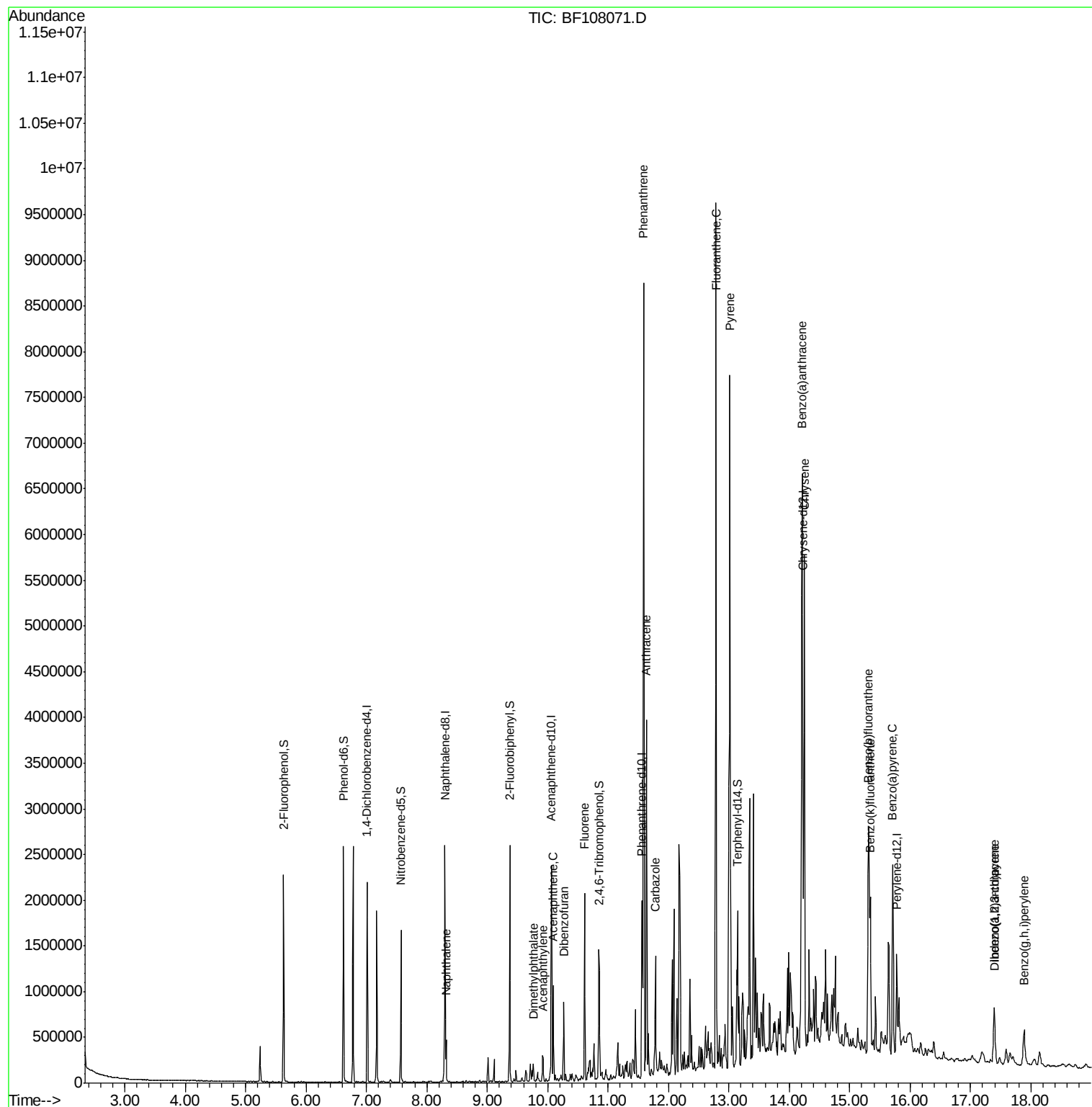
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\  
Data File : BF108071.D  
Acq On : 10 Aug 2018 00:40  
Operator : JU/SJ  
Sample : J4388-07 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-1

Manual Integrations  
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8/10/2018 12:13:38 PM

Quant Time: Aug 10 03:37:19 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

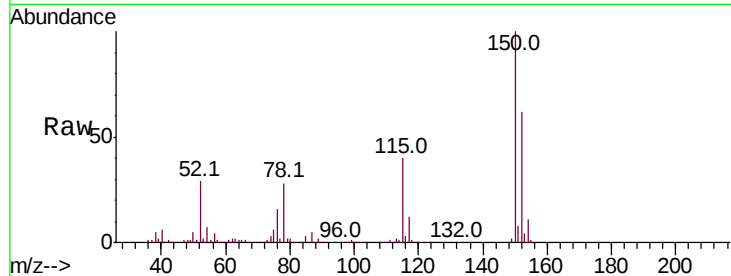
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.01 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.7 | 124.6 | 186.8 |
| 115     | 64.4  | 50.1  | 75.1  |

Manual Integrations  
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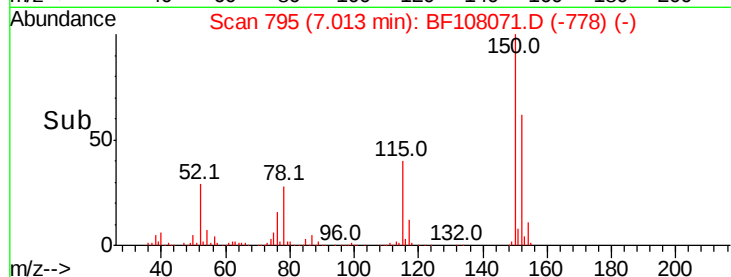
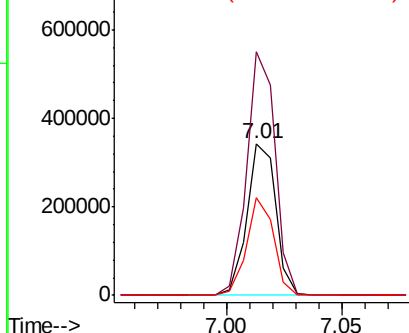


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

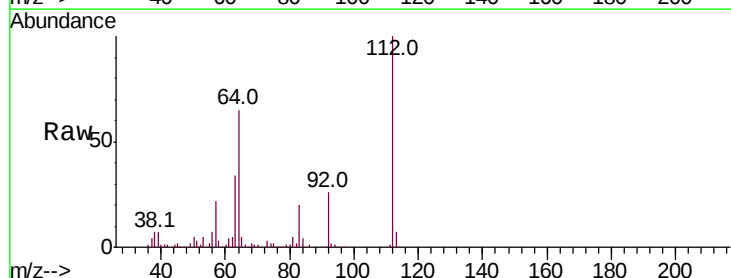
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 33.264 ng  
RT: 5.63 min Scan# 560  
Delta R.T. 0.00 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.2  | 47.9  | 71.9  |
| 63      | 34.5  | 23.7  | 35.5  |

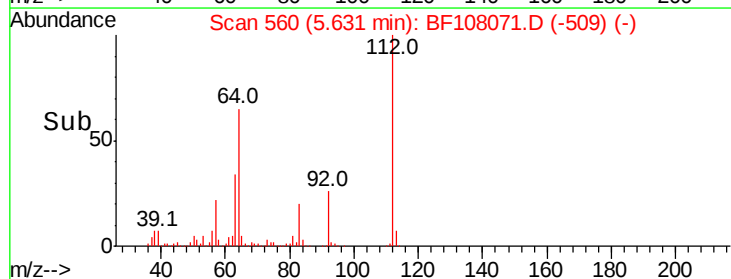
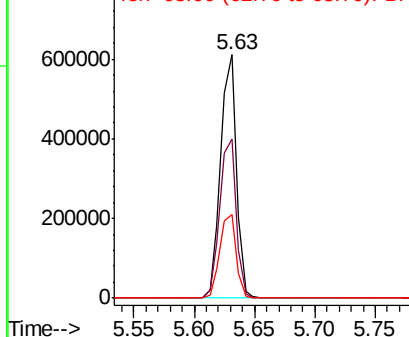


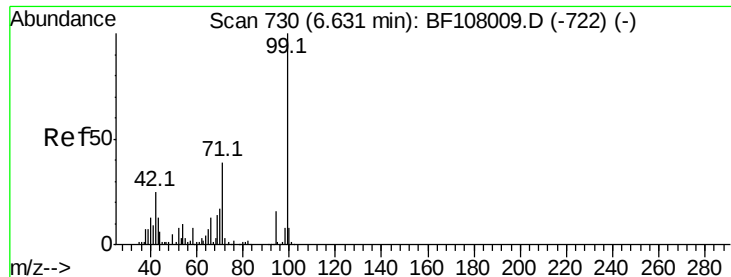
Abundance

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: 33.511 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

Instrument :

BNA\_F

ClientSampled :

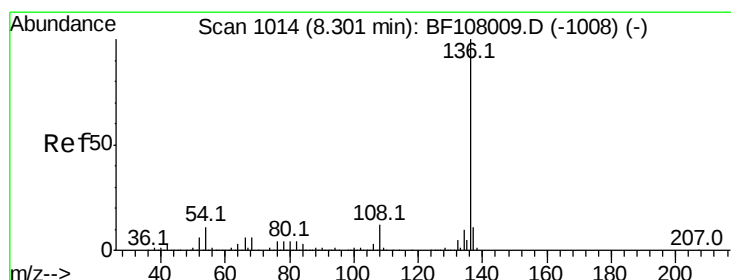
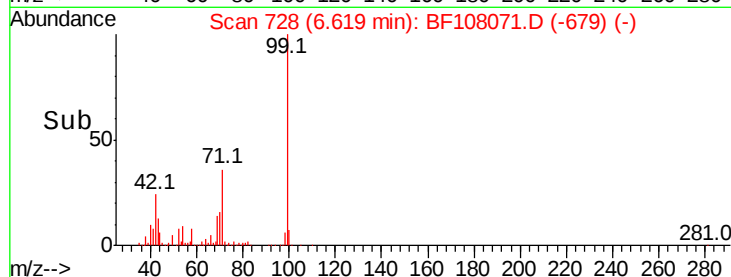
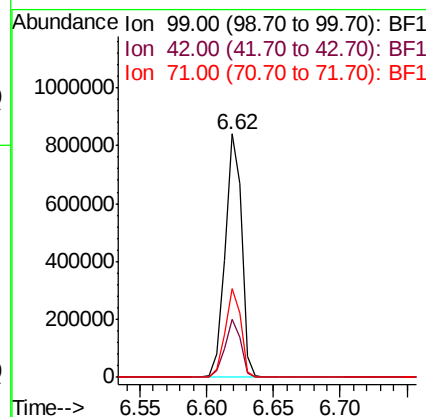
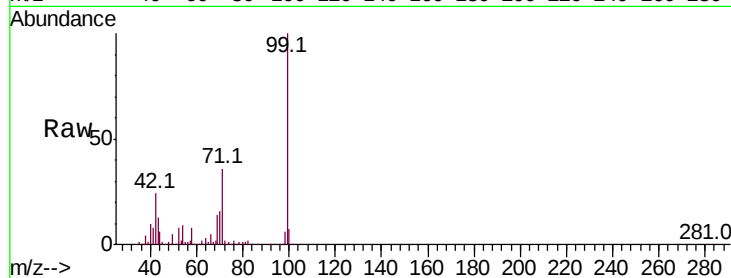
CHA-1

Tot Ion: 99 Resp: 736567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.6  | 14.5  | 21.7# |
| 71  | 36.4  | 25.4  | 38.0  |

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

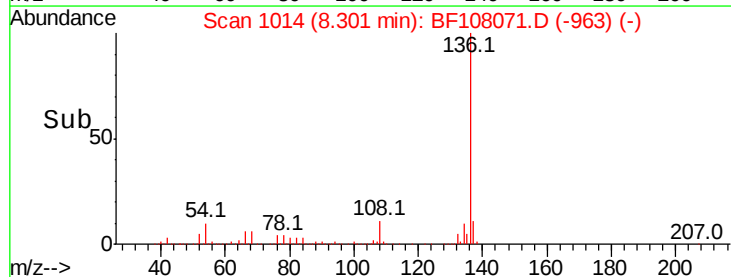
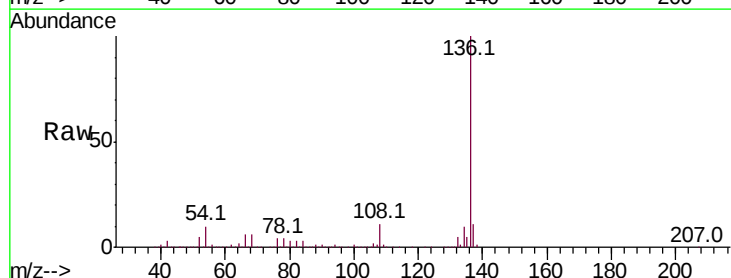
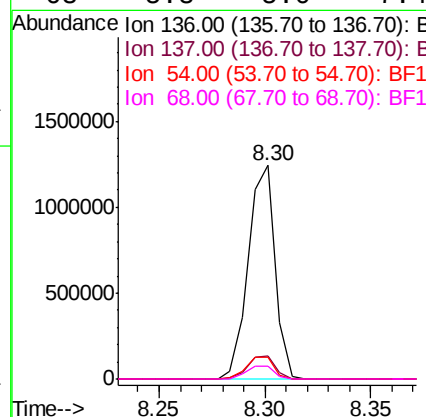
Delta R.T. 0.00 min

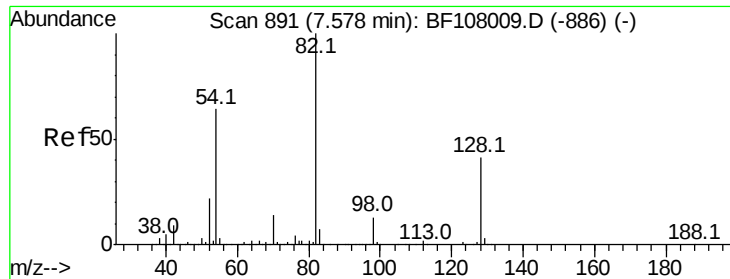
Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

Tgt Ion: 136 Resp: 1095044

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.9   | 13.3  |
| 54  | 10.0  | 6.6   | 9.8#  |
| 68  | 5.8   | 5.0   | 7.4   |





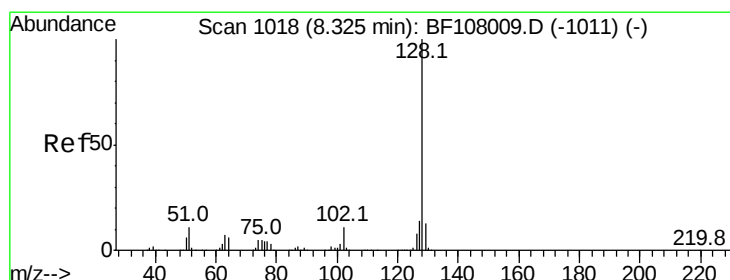
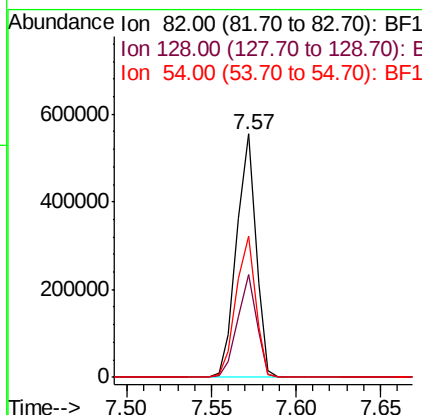
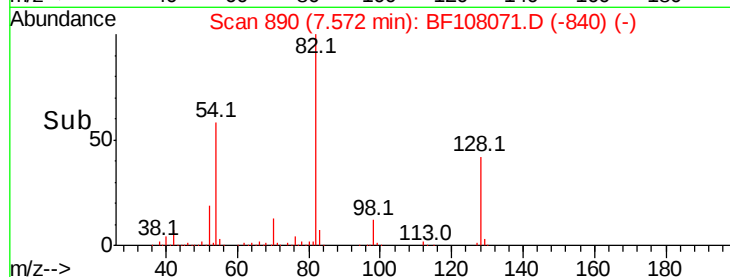
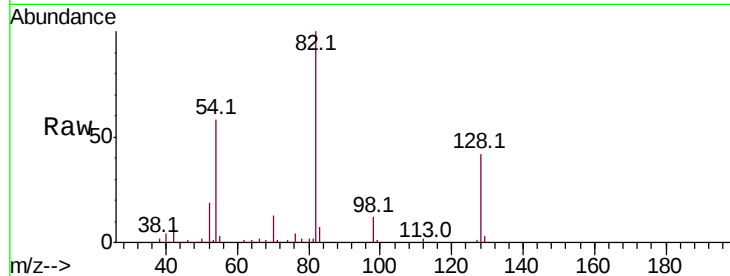
#23  
 Nitrobenzene-d5  
 Concen: 22.620 ng  
 RT: 7.57 min Scan# 890  
 Delta R.T. -0.01 min  
 Lab File: BF108071.D  
 Acq: 10 Aug 2018 00:40

Instrument :  
 BNA\_F  
 ClientSampleID :  
 CHA-1

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 42.3  | 36.1 | 54.1  |       |
| 54      | 57.8  | 41.4 | 62.2  |       |

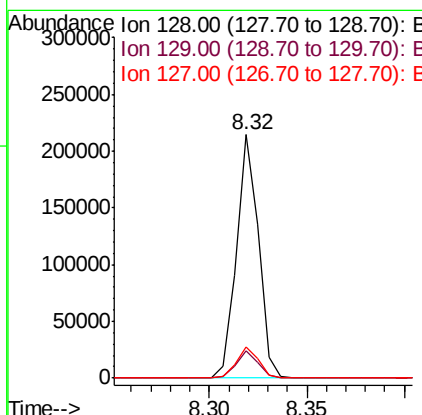
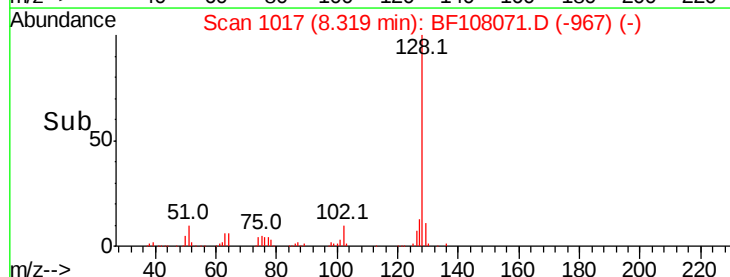
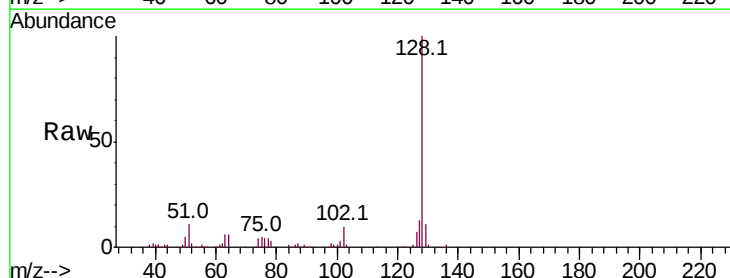
Manual Integrations  
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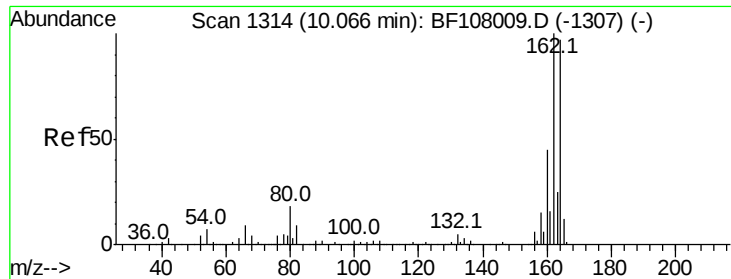
Sohil  
 8/10/2018 12:13:38 PM



#31  
 Naphthalene  
 Concen: 3.350 ng  
 RT: 8.32 min Scan# 1017  
 Delta R.T. -0.01 min  
 Lab File: BF108071.D  
 Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.1  | 8.8  | 13.2  |       |
| 127     | 12.7  | 10.9 | 16.3  |       |





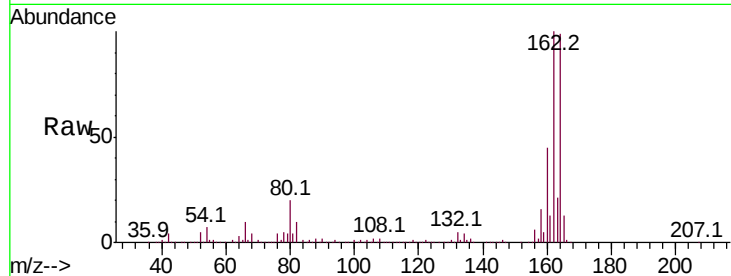
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.06 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 461390 |       |       |
| 162     | 100.6 | 86.1   | 129.1 |       |
| 160     | 45.5  | 38.3   | 57.5  |       |

Manual Integrations  
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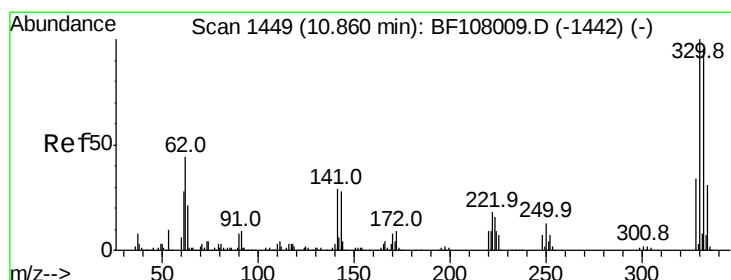
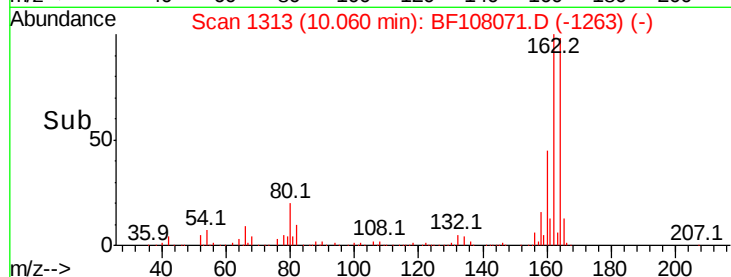
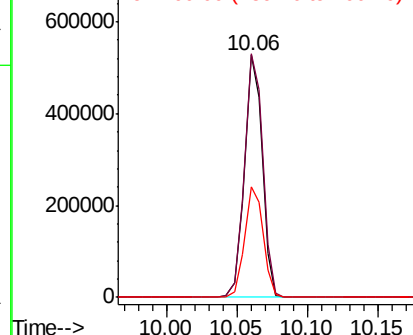


Abundance

Ion 164.00 (163.70 to 164.70): E

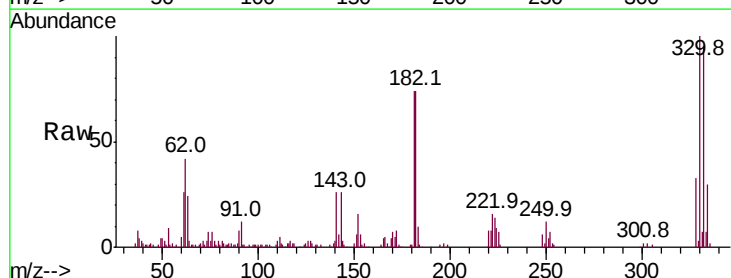
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41  
2,4,6-Tribromophenol  
Concen: 24.406 ng  
RT: 10.85 min Scan# 1448  
Delta R.T. -0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 112321 |       |       |
| 332     | 96.2  | 77.0   | 115.6 |       |
| 141     | 36.3  | 29.9   | 44.9  |       |

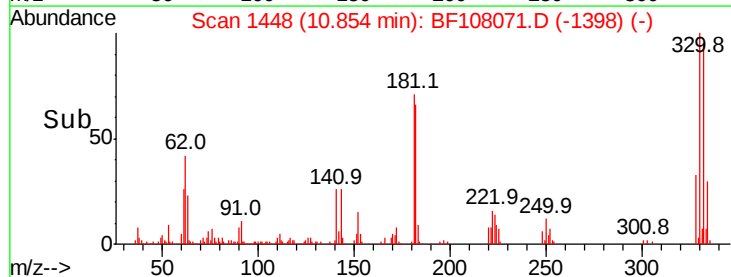
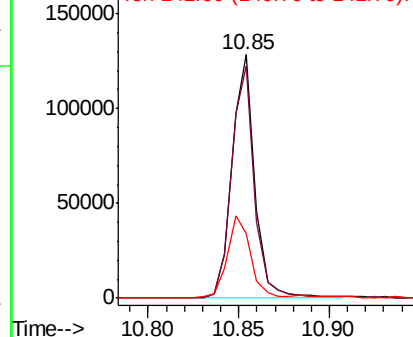


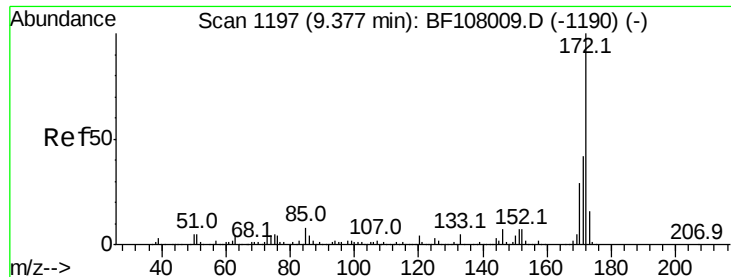
Abundance

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





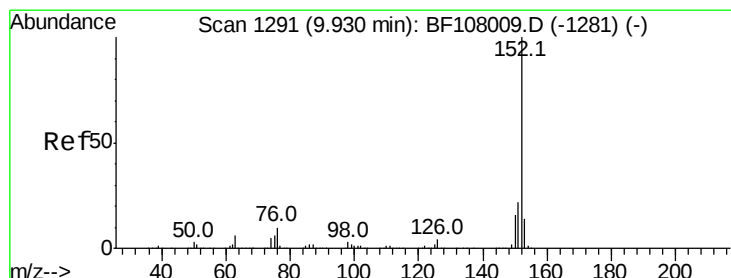
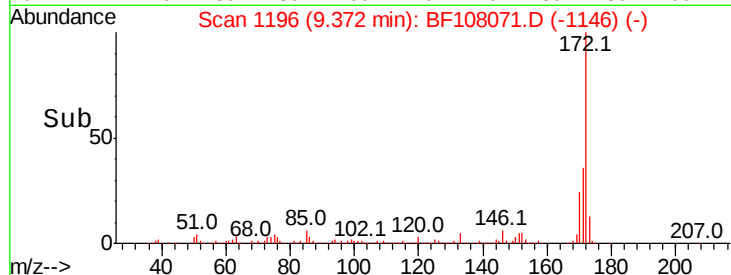
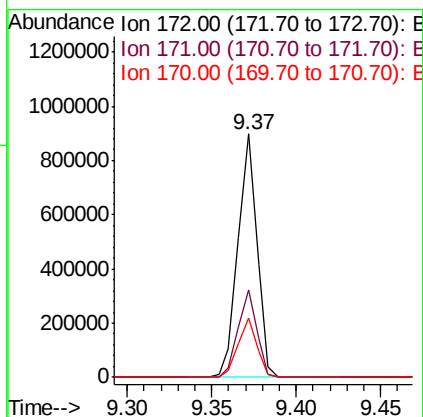
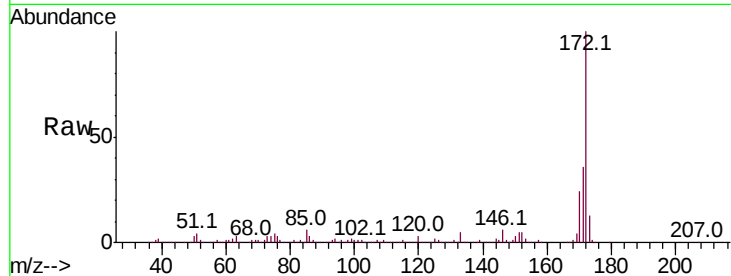
#44  
 2-Fluorobiphenyl  
 Concen: 24.471 ng  
 RT: 9.37 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF108071.D  
 Acq: 10 Aug 2018 00:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHA-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.7  | 44.5  |
| 170     | 24.1  | 19.6  | 29.4  |

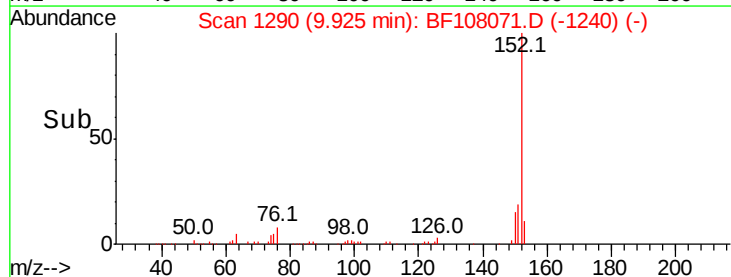
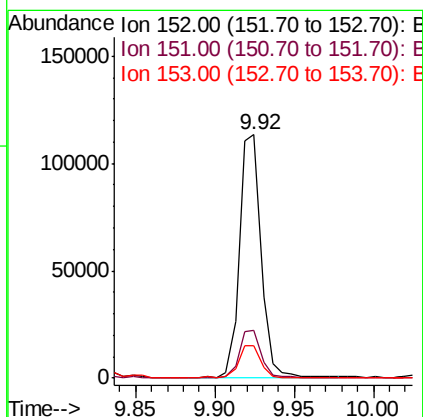
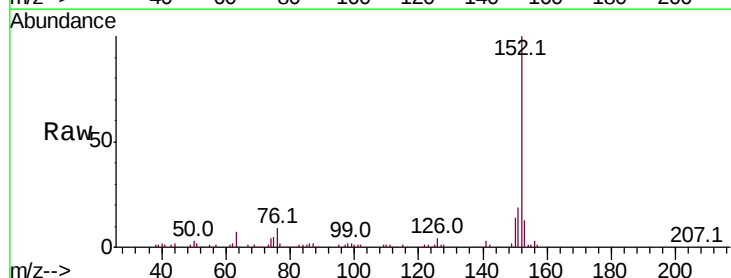
Manual Integrations  
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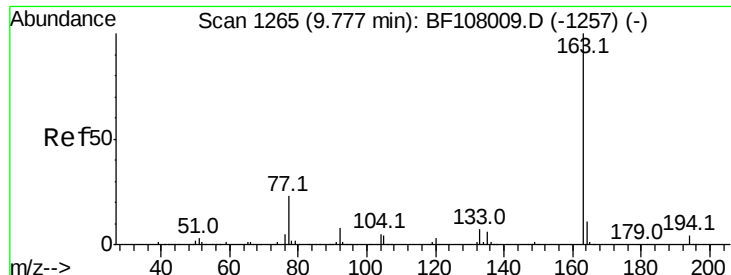
Sohil  
 8/10/2018 12:13:38 PM



#48  
 Acenaphthylene  
 Concen: 2.552 ng  
 RT: 9.92 min Scan# 1290  
 Delta R.T. -0.01 min  
 Lab File: BF108071.D  
 Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.4  | 16.3  | 24.5  |
| 153     | 13.1  | 10.7  | 16.1  |





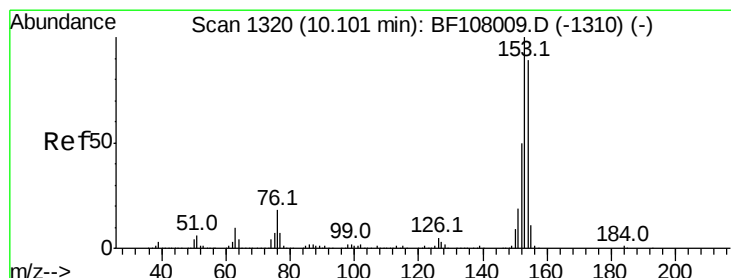
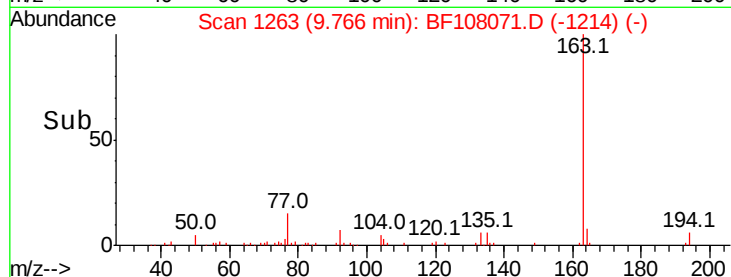
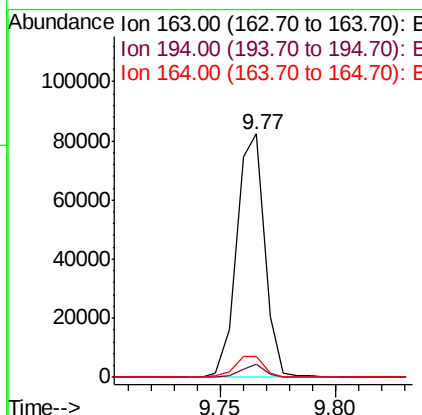
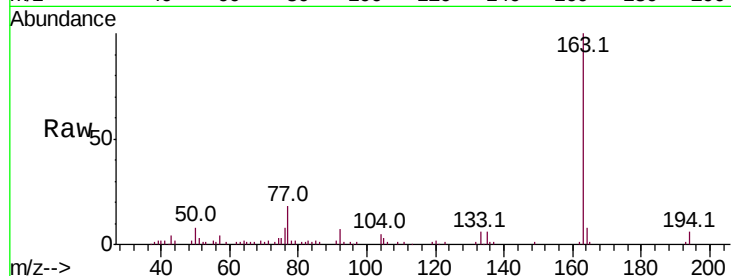
#49  
Dimethylphthalate  
Concen: 2.167 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampled :  
CHA-1

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 69655 |       |       |
| 194     | 5.5   | 2.7   | 4.1#  |       |
| 164     | 8.4   | 8.2   | 12.2  |       |

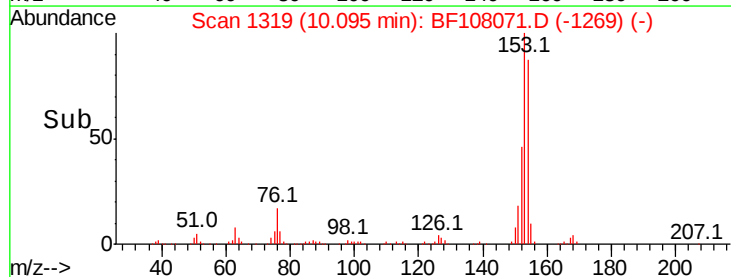
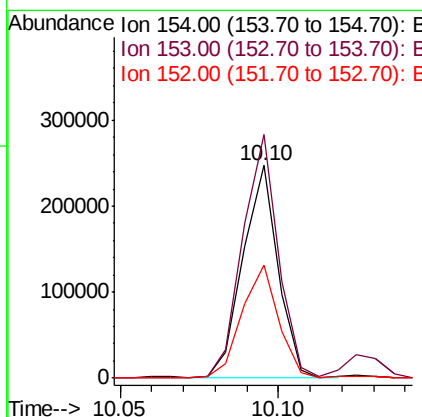
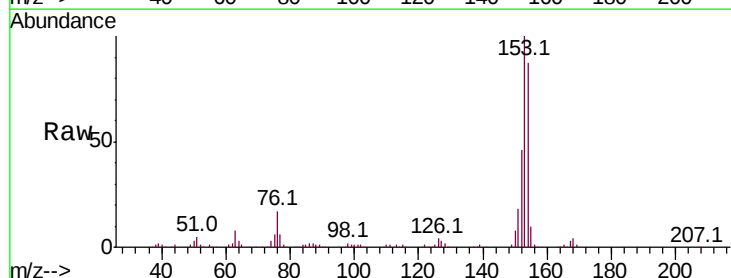
Manual Integrations  
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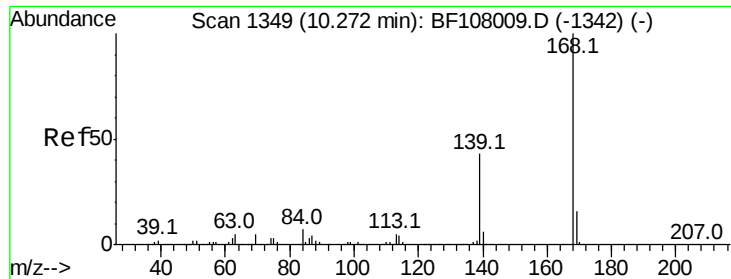
Sohil  
8/10/2018 12:13:38 PM



#51  
Acenaphthene  
Concen: 7.271 ng  
RT: 10.10 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 189292 |       |       |
| 153     | 114.5 | 91.2   | 136.8 |       |
| 152     | 52.9  | 43.8   | 65.8  |       |





#54

Dibenzofuran

Concen: 7.688 ng

RT: 10.27 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

Instrument :

BNA\_F

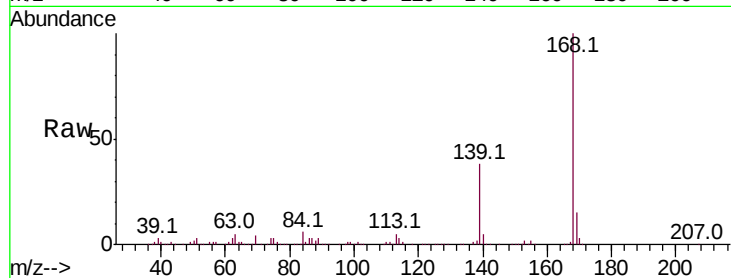
ClientSampled :

CHA-1

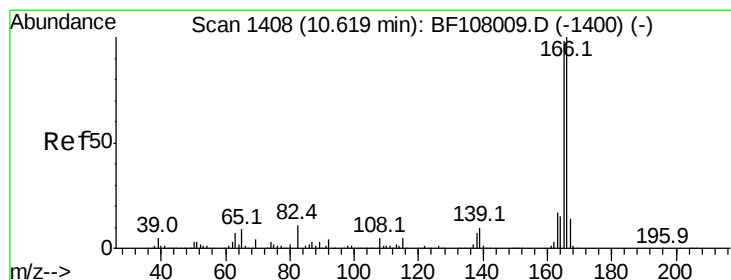
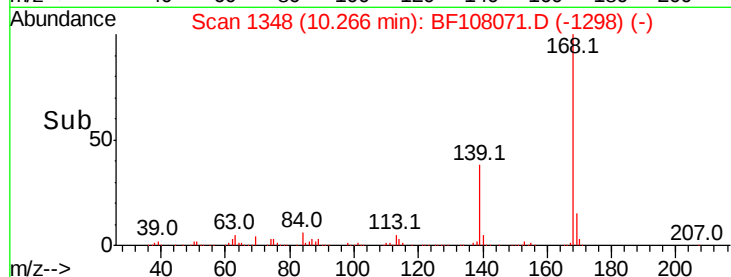
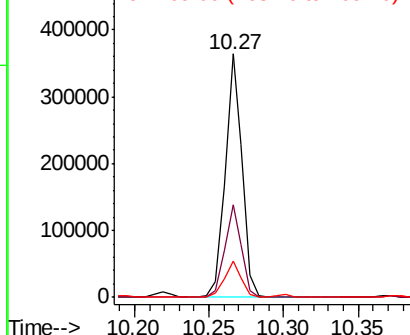
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 168   | Resp: | 289971 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 37.8  | 30.1  | 45.1   |
| 169       | 14.7  | 10.9  | 16.3   |

Manual Integrations  
APPROVED

Sohil  
8/10/2018 12:13:38 PM



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 17.003 ng

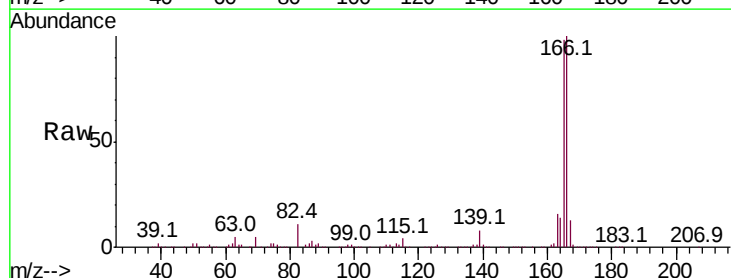
RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

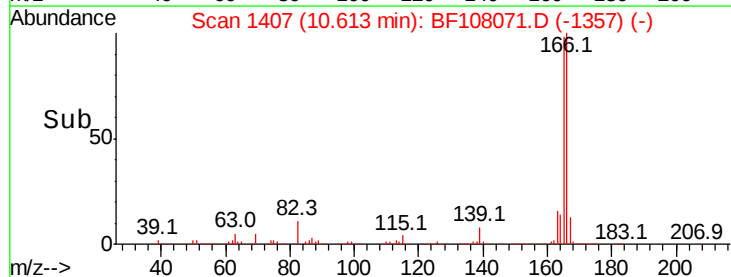
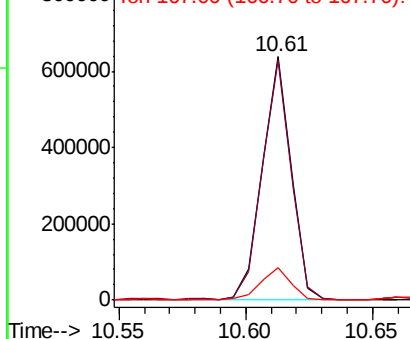
Lab File: BF108071.D

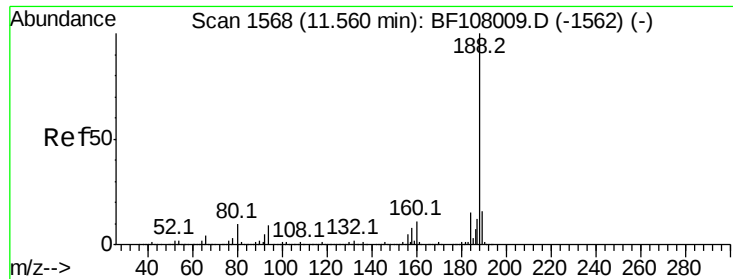
Acq: 10 Aug 2018 00:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 507696 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.4  | 79.8  | 119.8  |
| 167       | 13.3  | 10.6  | 16.0   |



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





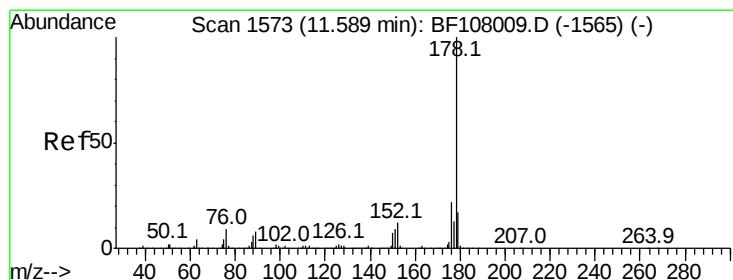
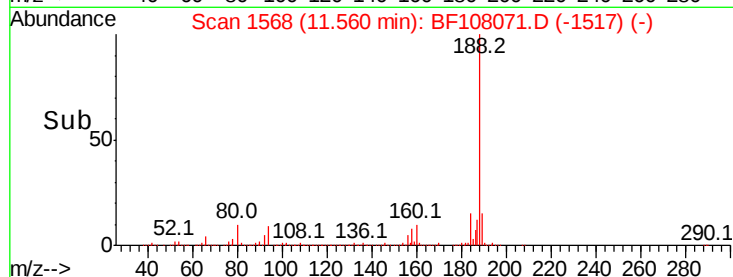
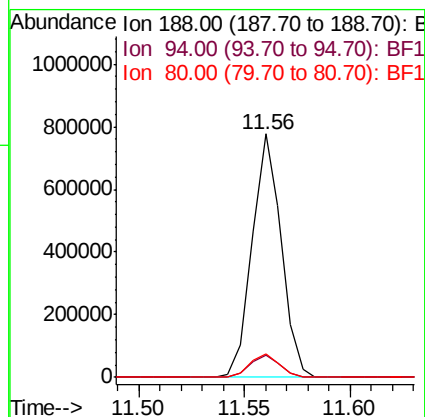
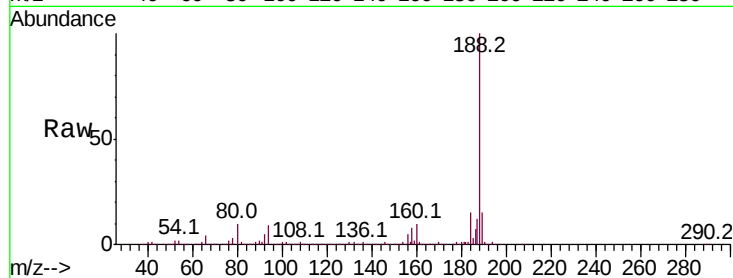
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.56 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampled :  
CHA-1

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 9.1   | 8.5        | 12.7  |
| 80      | 9.7   | 9.2        | 13.8  |

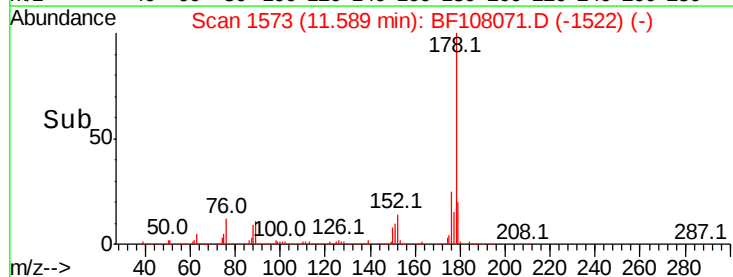
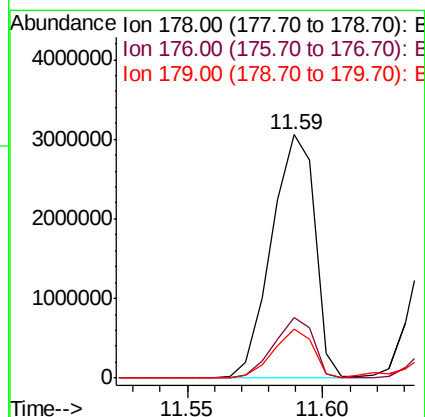
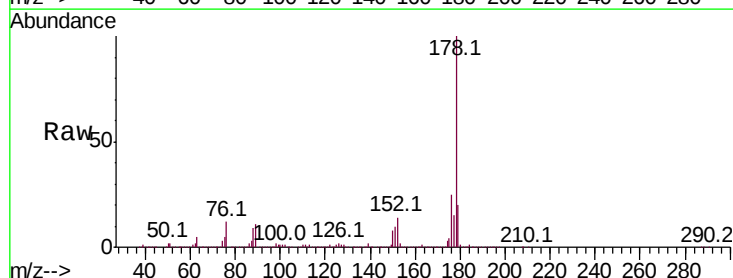
Manual Integrations  
APPROVED

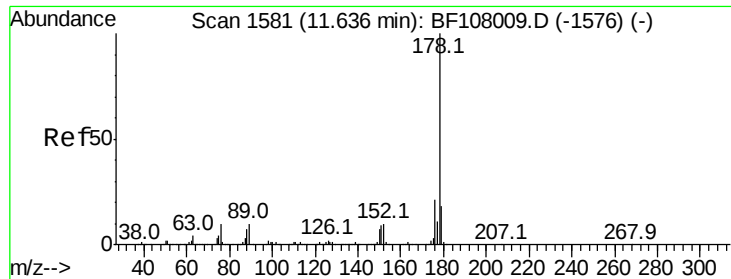
Sohil  
8/10/2018 12:13:38 PM



#70  
Phenanthrene  
Concen: 96.940 ng m  
RT: 11.59 min Scan# 1573  
Delta R.T. 0.00 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 178     | 100   |            |       |
| 176     | 24.7  | 15.8       | 23.8# |
| 179     | 19.9  | 13.0       | 19.6# |





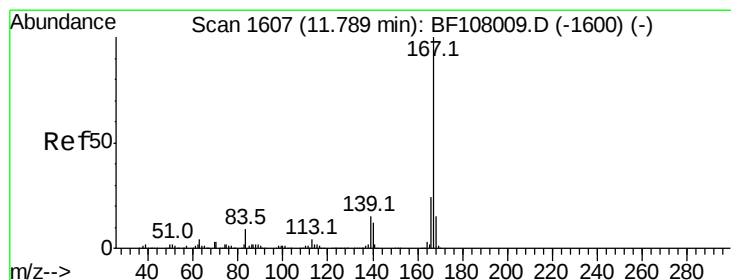
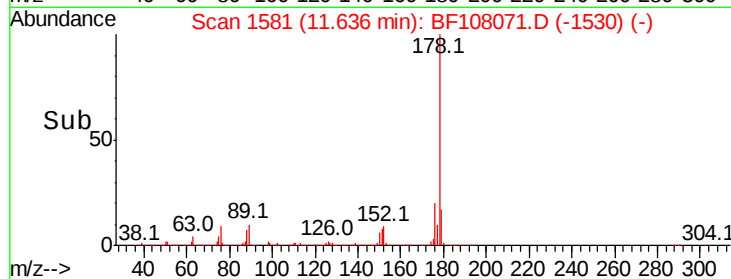
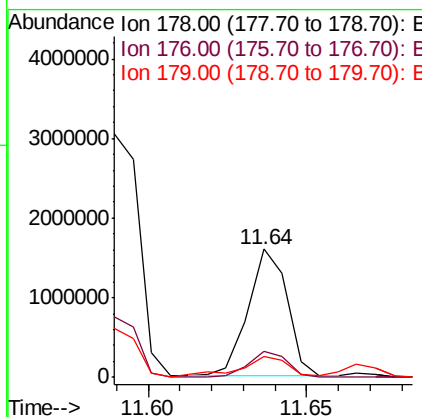
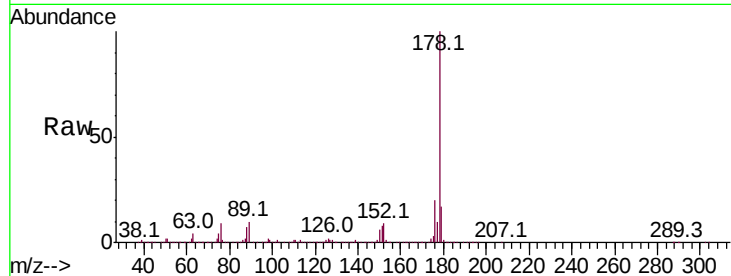
#71  
 Anthracene  
 Concen: 38.075 ng  
 RT: 11.64 min Scan# 1581  
 Delta R.T. 0.00 min  
 Lab File: BF108071.D  
 Acq: 10 Aug 2018 00:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHA-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 15.4  | 23.2  |
| 179     | 16.7  | 12.6  | 19.0  |

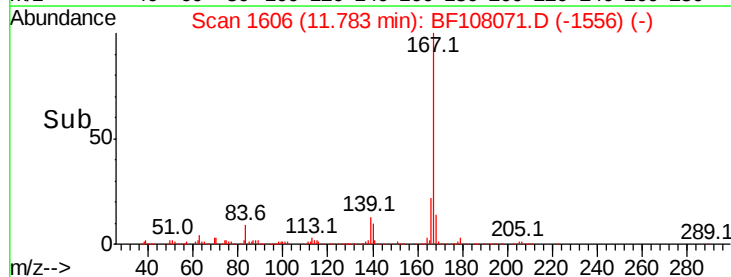
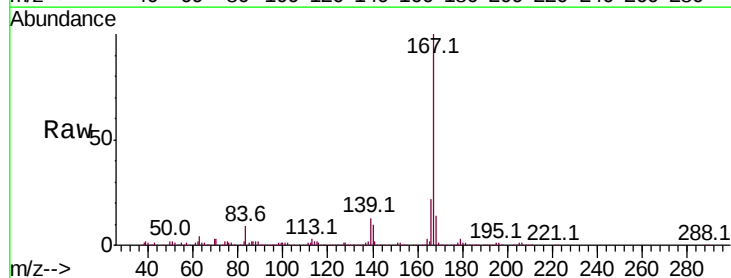
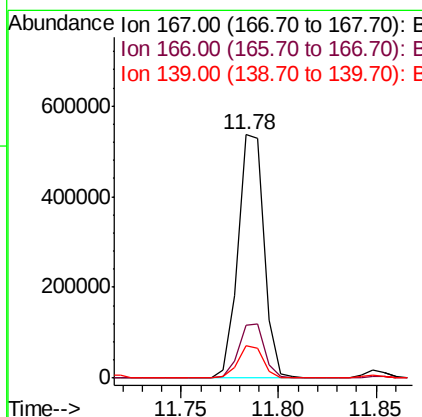
Manual Integrations  
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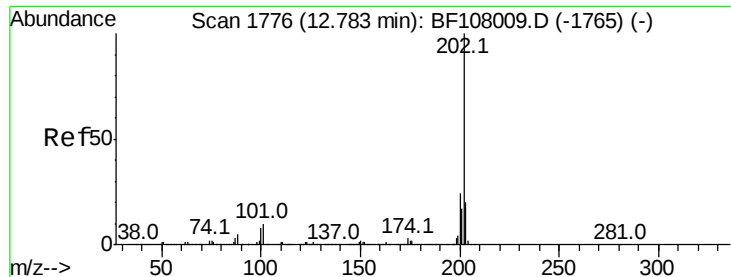
Sohil  
 8/10/2018 12:13:38 PM



#72  
 Carbazole  
 Concen: 15.592 ng  
 RT: 11.78 min Scan# 1606  
 Delta R.T. -0.01 min  
 Lab File: BF108071.D  
 Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.7  | 17.6  | 26.4  |
| 139     | 13.1  | 10.9  | 16.3  |





#74

Fluoranthene

Concen: 110.691 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

Instrument :

BNA\_F

ClientSampleId :

CHA-1

Tot Ion:202 Resp: 4227628

Ion Ratio Lower Upper

202 100

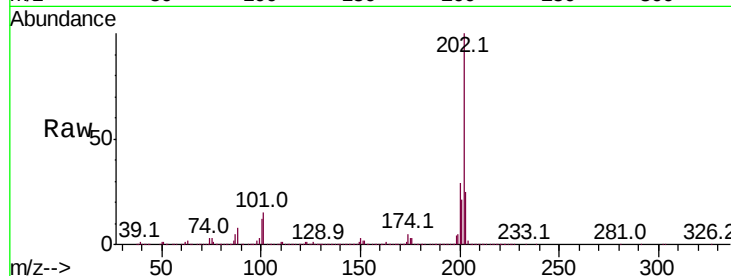
101 15.1 0.0 34.1

203 24.6 0.0 38.1

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Sohil

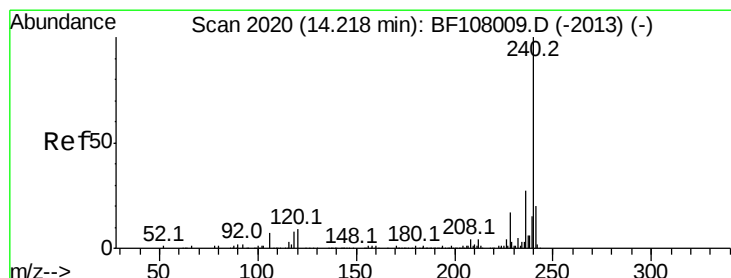
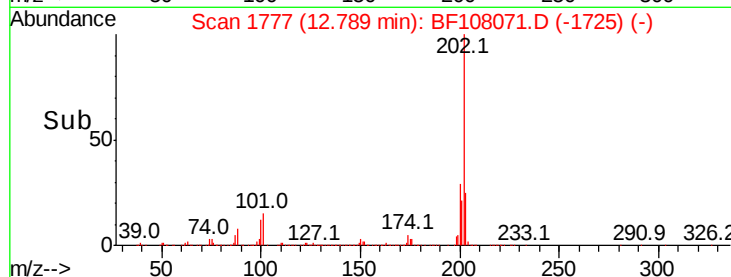
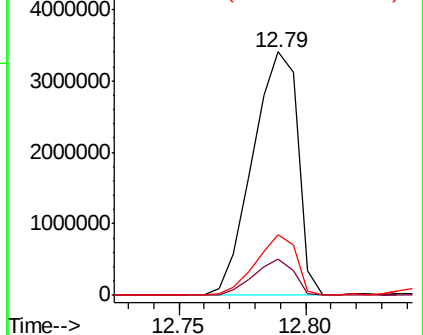
8/10/2018 12:13:38 PM



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

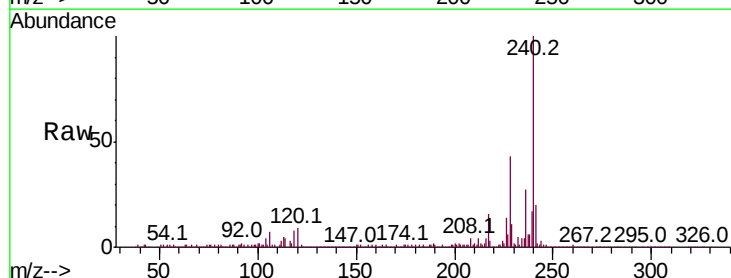
Tgt Ion:240 Resp: 683742

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

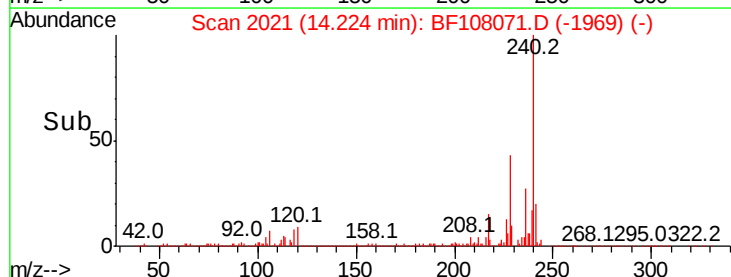
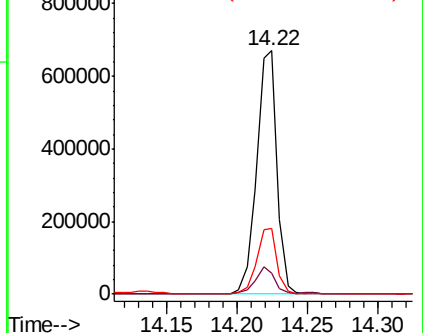
236 27.2 20.7 31.1

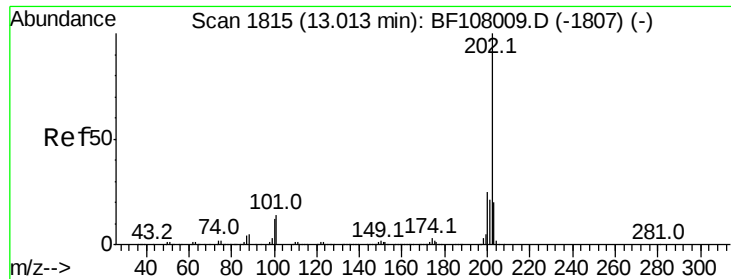


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





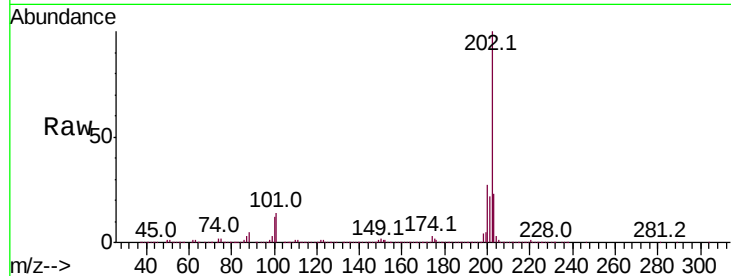
#77  
Pvrene  
Concen: 85.626 ng  
RT: 13.02 min Scan# 1817  
Delta R.T. 0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-1

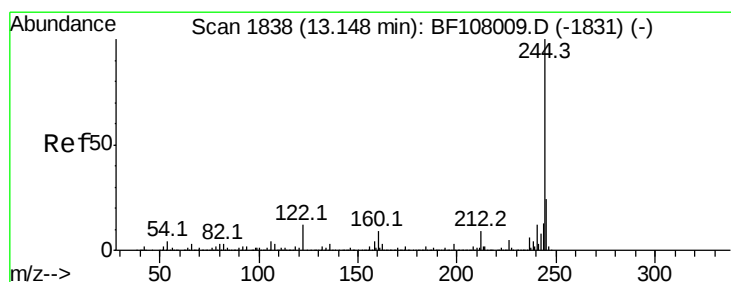
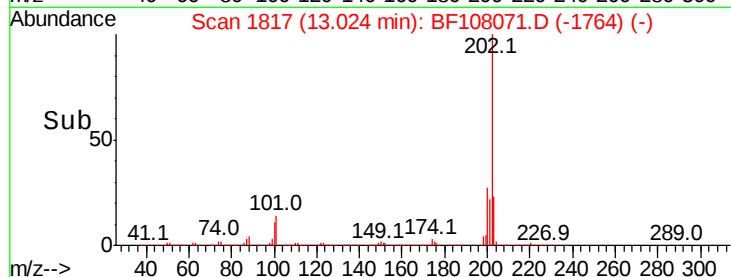
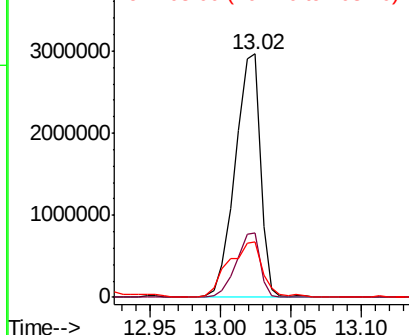
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 26.6  | 17.4  | 26.2# |
| 203     | 23.0  | 14.3  | 21.5# |

Manual Integrations  
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8/10/2018 12:13:38 PM

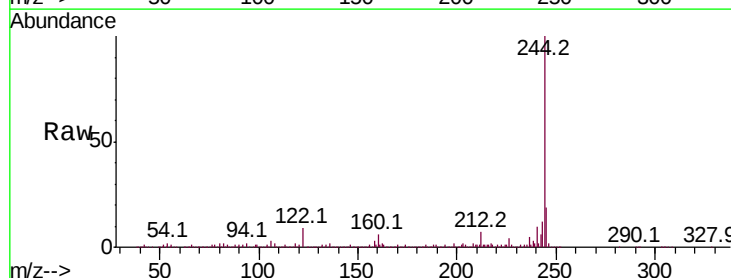


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

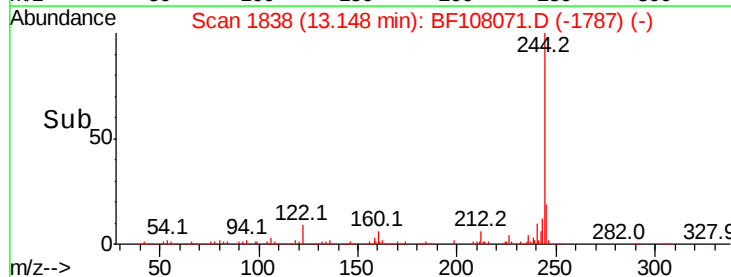
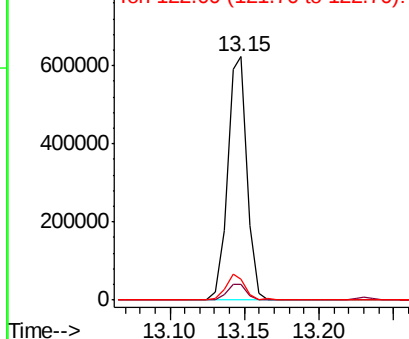


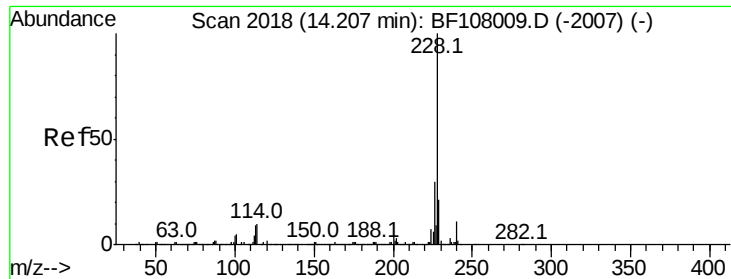
#78  
Terphenyl-d14  
Concen: 21.339 ng  
RT: 13.15 min Scan# 1838  
Delta R.T. 0.00 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.5   | 5.4   | 8.0   |
| 122     | 8.6   | 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





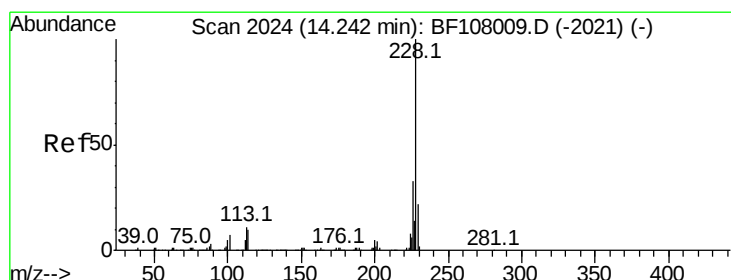
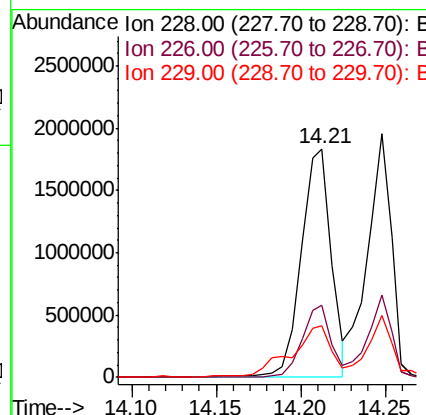
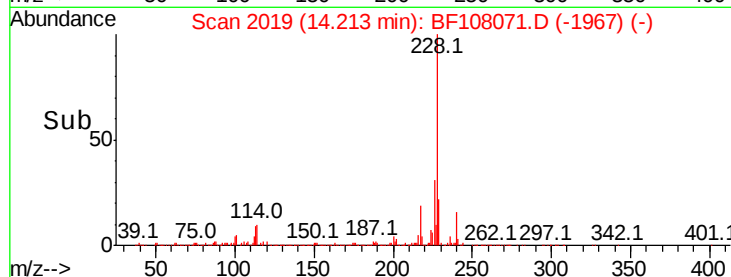
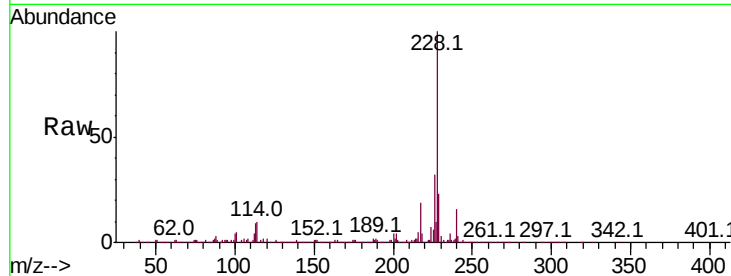
#80  
Benzo(a)anthracene  
Concen: 57.693 ng  
RT: 14.21 min Scan# 2019  
Delta R.T. 0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.6  | 22.6  | 33.8  |
| 229     | 22.7  | 15.8  | 23.6  |

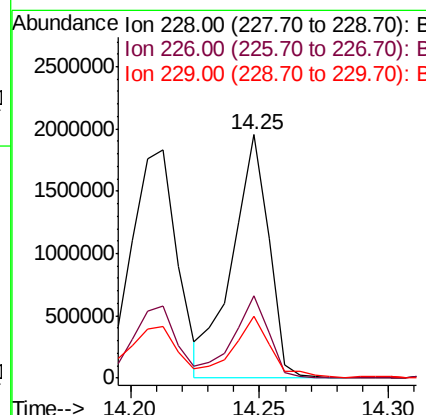
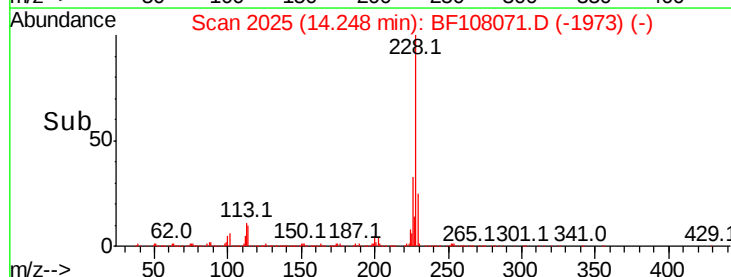
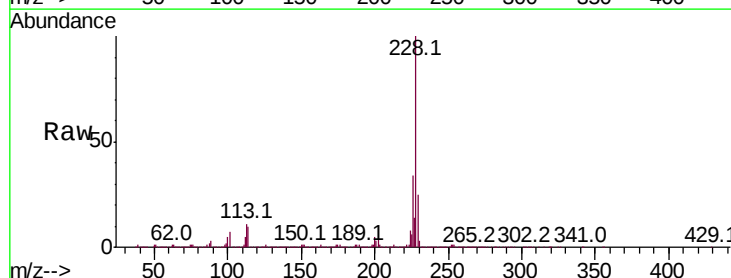
Manual Integrations  
APPROVED

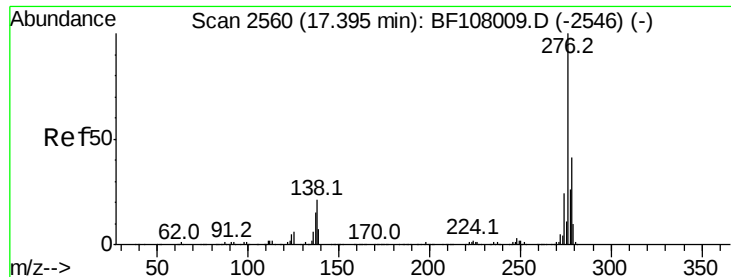
Sohil  
8/10/2018 12:13:38 PM



#82  
Chrysene  
Concen: 53.754 ng m  
RT: 14.25 min Scan# 2025  
Delta R.T. 0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.7  | 25.0  | 37.6  |
| 229     | 25.2  | 16.2  | 24.4# |





#85

Indeno(1,2,3-cd)pyrene

Concen: 13.873 ng

RT: 17.39 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

Instrument :

BNA\_F

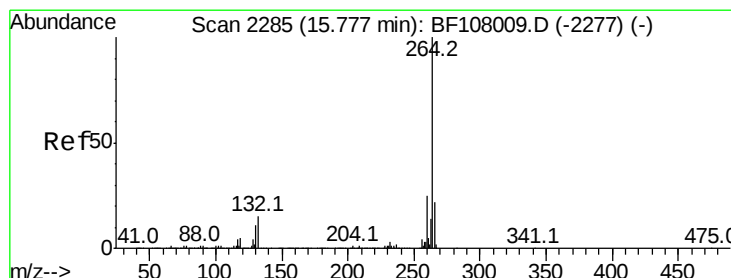
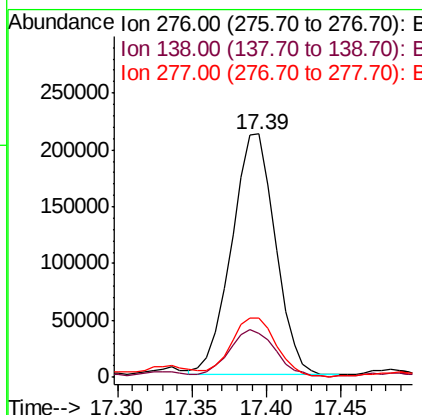
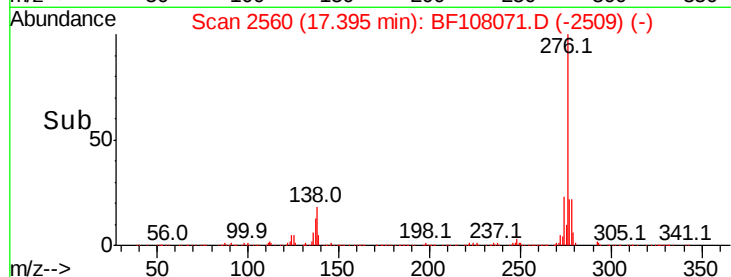
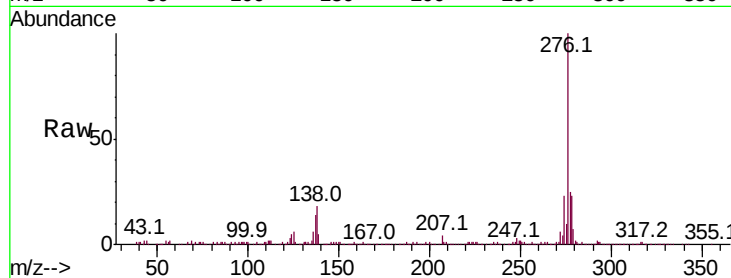
ClientSampled :

CHA-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 432434 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 20.3  | 25.0  | 37.6#  |
| 277       | 25.3  | 20.1  | 30.1   |

Manual Integrations  
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Sohil  
8/10/2018 12:13:38 PM



#86

Perylene-d12

Concen: 20.000 ng

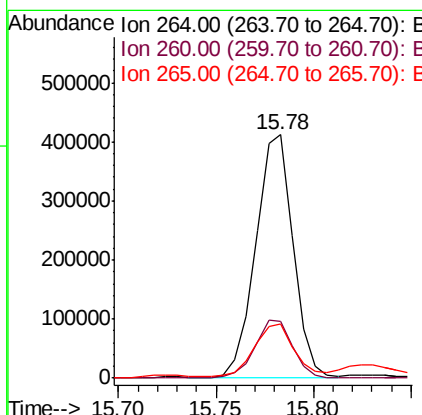
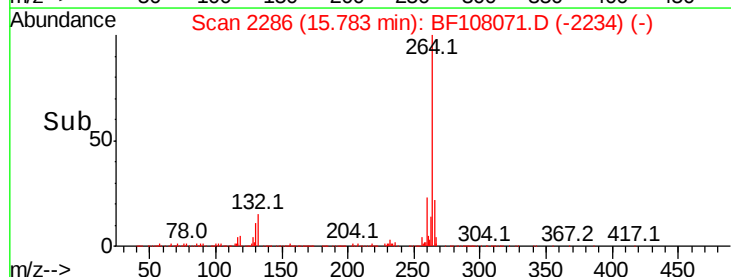
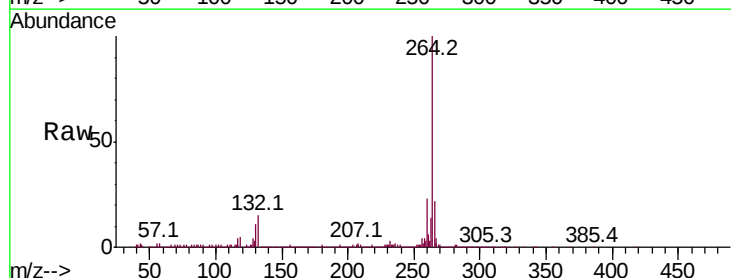
RT: 15.78 min Scan# 2286

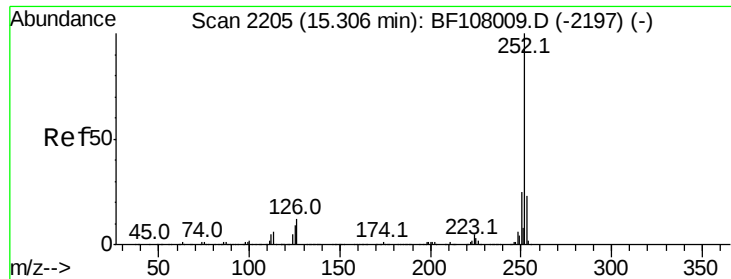
Delta R.T. 0.01 min

Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 543750 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.1  | 19.2  | 28.8   |
| 265       | 22.1  | 17.5  | 26.3   |





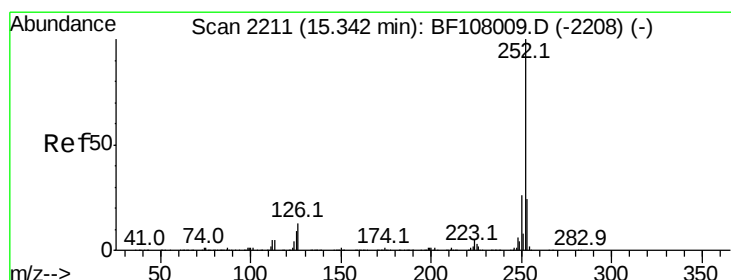
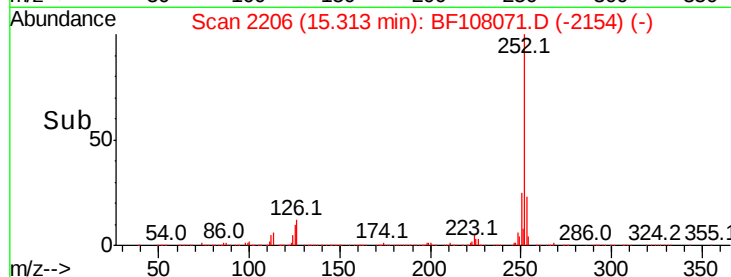
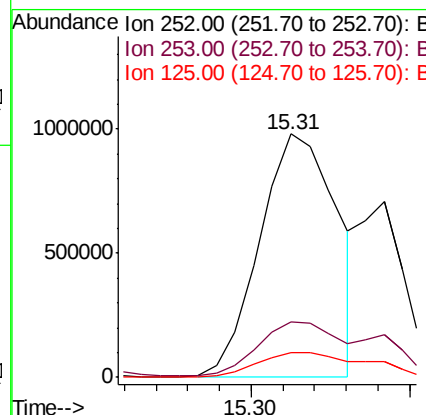
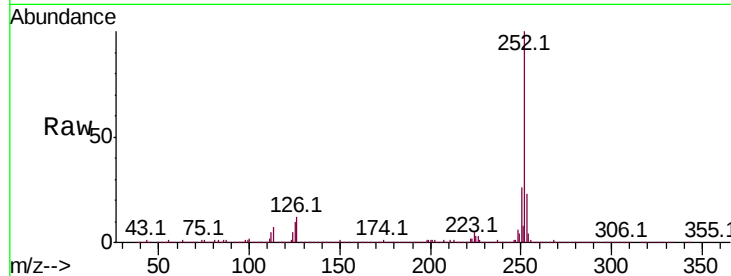
#87  
Benzo(b)fluoranthene  
Concen: 51.096 ng m  
RT: 15.31 min Scan# 2206  
Delta R.T. 0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.0  | 25.6  |
| 125     | 10.1  | 9.0   | 13.6  |

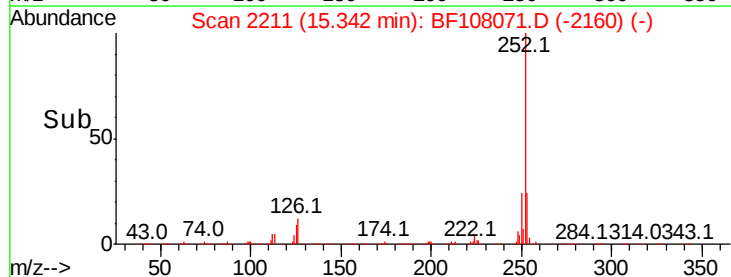
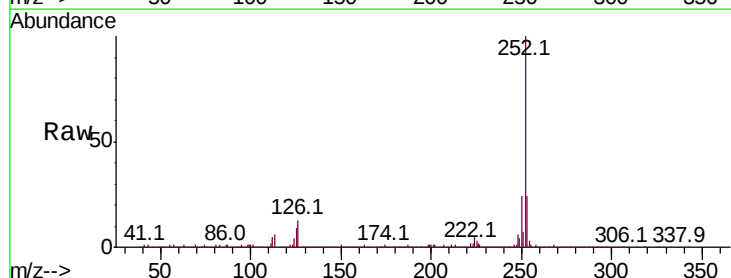
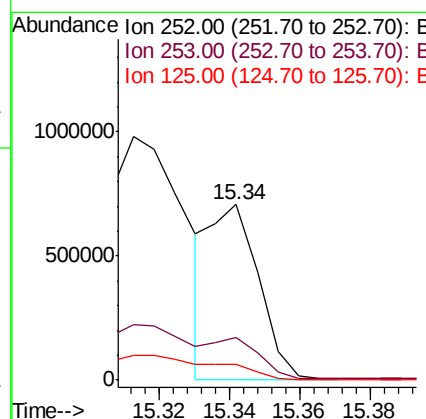
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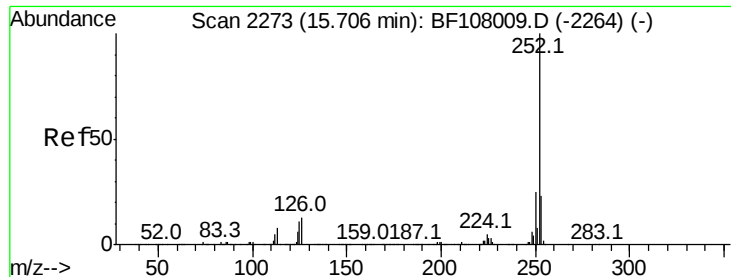
Sohil  
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#88  
Benzo(k)fluoranthene  
Concen: 22.637 ng m  
RT: 15.34 min Scan# 2211  
Delta R.T. 0.00 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 17.9  | 26.9  |
| 125     | 9.2   | 10.2  | 15.2# |





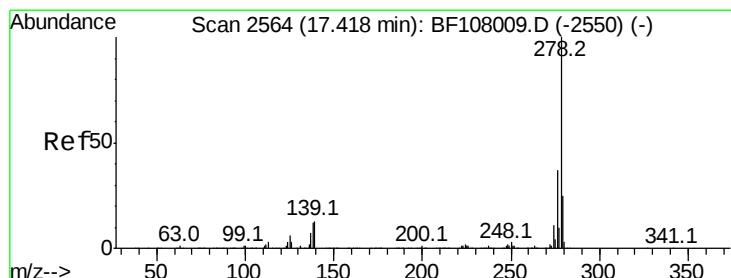
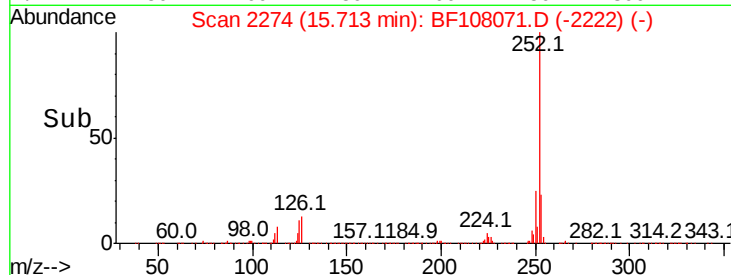
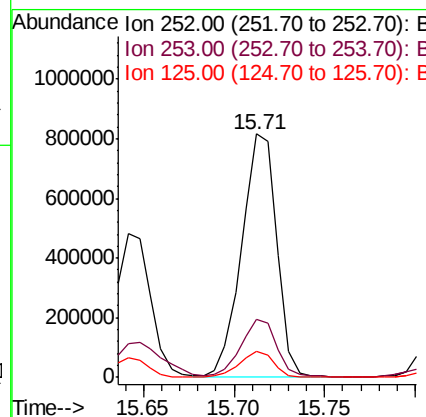
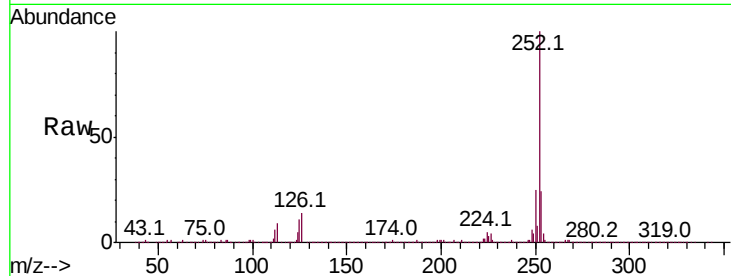
#89  
Benzo(a)pyrene  
Concen: 37.457 ng  
RT: 15.71 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 17.1  | 25.7  |
| 125     | 10.9  | 9.8   | 14.6  |

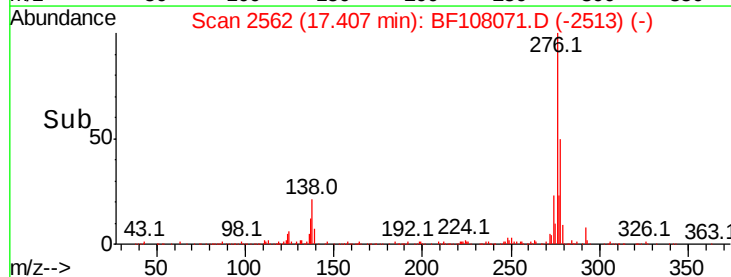
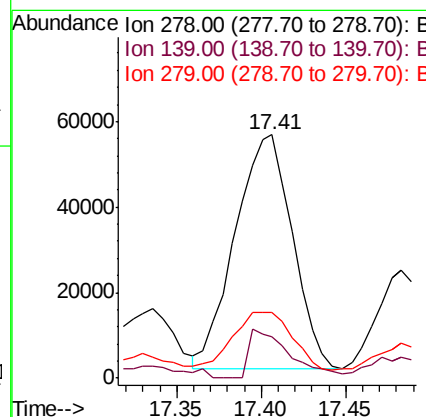
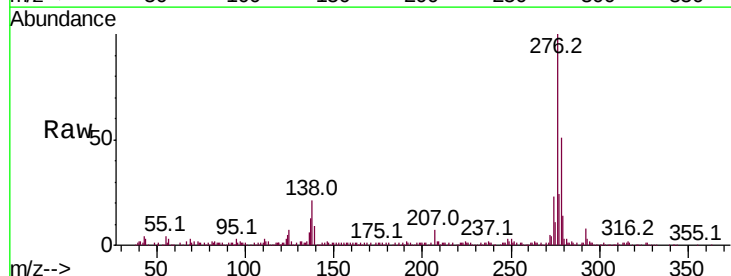
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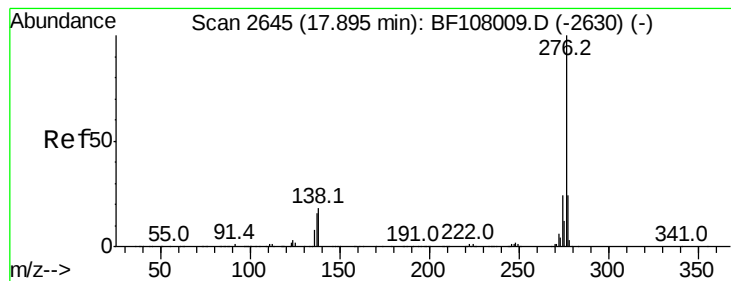
Sohil  
8/10/2018 12:13:38 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 5.319 ng  
RT: 17.41 min Scan# 2562  
Delta R.T. -0.01 min  
Lab File: BF108071.D  
Acq: 10 Aug 2018 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.9  | 15.9  | 23.9  |
| 279     | 26.9  | 19.0  | 28.4  |





#91

Benzo(a,h,i)perylene

Concen: 14.829 ng

RT: 17.89 min Scan# 2644

Delta R.T. -0.01 min

Lab File: BF108071.D

Acq: 10 Aug 2018 00:40

Instrument :

BNA\_F

ClientSampleId :

CHA-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 351526 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.0  | 17.9  | 26.9   |
| 138       | 19.7  | 21.8  | 32.8#  |

Manual Integrations  
APPROVED

Sohil  
8/10/2018 12:13:38 PM

