

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\  
 Data File : BF116090.D  
 Acq On : 9 Aug 2019 1:38  
 Operator : HP/JU  
 Sample : K4095-03 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-02-080219-B

Manual Integrations  
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mohammad  
 8/14/2019 9:21:37 AM

Quant Time: Aug 09 16:52:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 106806   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.12  | 136  | 445687   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.87  | 164  | 244593   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 403599   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 14.00 | 240  | 240980   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.46 | 264  | 271366   | 20.00 | ng    | -0.01    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.46  | 112 | 157577 | 24.70 | ng | 0.00  |
| 7) Phenol-d6                | 6.47  | 99  | 227055 | 28.21 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.40  | 82  | 141175 | 18.28 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330 | 56295  | 23.74 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 9.19  | 172 | 290011 | 22.21 | ng | -0.02 |
| 79) Terphenyl-d14           | 12.93 | 244 | 279427 | 24.43 | ng | -0.02 |

|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 31) Naphthalene            | 8.14  | 128 | 42789   | 2.040  | ng | 99   |
| 37) 2-Methylnaphthalene    | 8.83  | 142 | 27759   | 2.010  | ng | 98   |
| 38) 1-Methylnaphthalene    | 8.93  | 142 | 28934   | 2.214  | ng | 100  |
| 49) Acenaphthylene         | 9.73  | 152 | 99554   | 4.748  | ng | 99   |
| 55) Dibenzofuran           | 10.07 | 168 | 74455   | 3.980  | ng | # 98 |
| 58) Fluorene               | 10.42 | 166 | 142545  | 9.904  | ng | 99   |
| 71) Phenanthrene           | 11.38 | 178 | 850002  | 41.197 | ng | 99   |
| 72) Anthracene             | 11.43 | 178 | 263525  | 12.620 | ng | 99   |
| 73) Carbazole              | 11.59 | 167 | 81449   | 4.299  | ng | 98   |
| 75) Fluoranthene           | 12.57 | 202 | 955694  | 44.244 | ng | 99   |
| 78) Pyrene                 | 12.80 | 202 | 805466  | 44.341 | ng | 100  |
| 81) Benzo(a)anthracene     | 13.99 | 228 | 398395  | 25.865 | ng | 98   |
| 83) Chrysene               | 14.03 | 228 | 348817  | 23.327 | ng | 97   |
| 86) Indeno(1,2,3-cd)pyrene | 16.93 | 276 | 167886  | 13.367 | ng | 95   |
| 88) Benzo(b)fluoranthene   | 15.04 | 252 | 450684m | 28.723 | ng |      |
| 89) Benzo(k)fluoranthene   | 15.06 | 252 | 143184m | 9.369  | ng |      |
| 90) Benzo(a)pyrene         | 15.40 | 252 | 321249  | 22.903 | ng | 99   |
| 91) Dibenzo(a,h)anthracene | 16.93 | 278 | 44768   | 3.687  | ng | # 76 |
| 92) Benzo(a,h,i)perylene   | 17.37 | 276 | 146615  | 12.296 | ng | 97   |

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

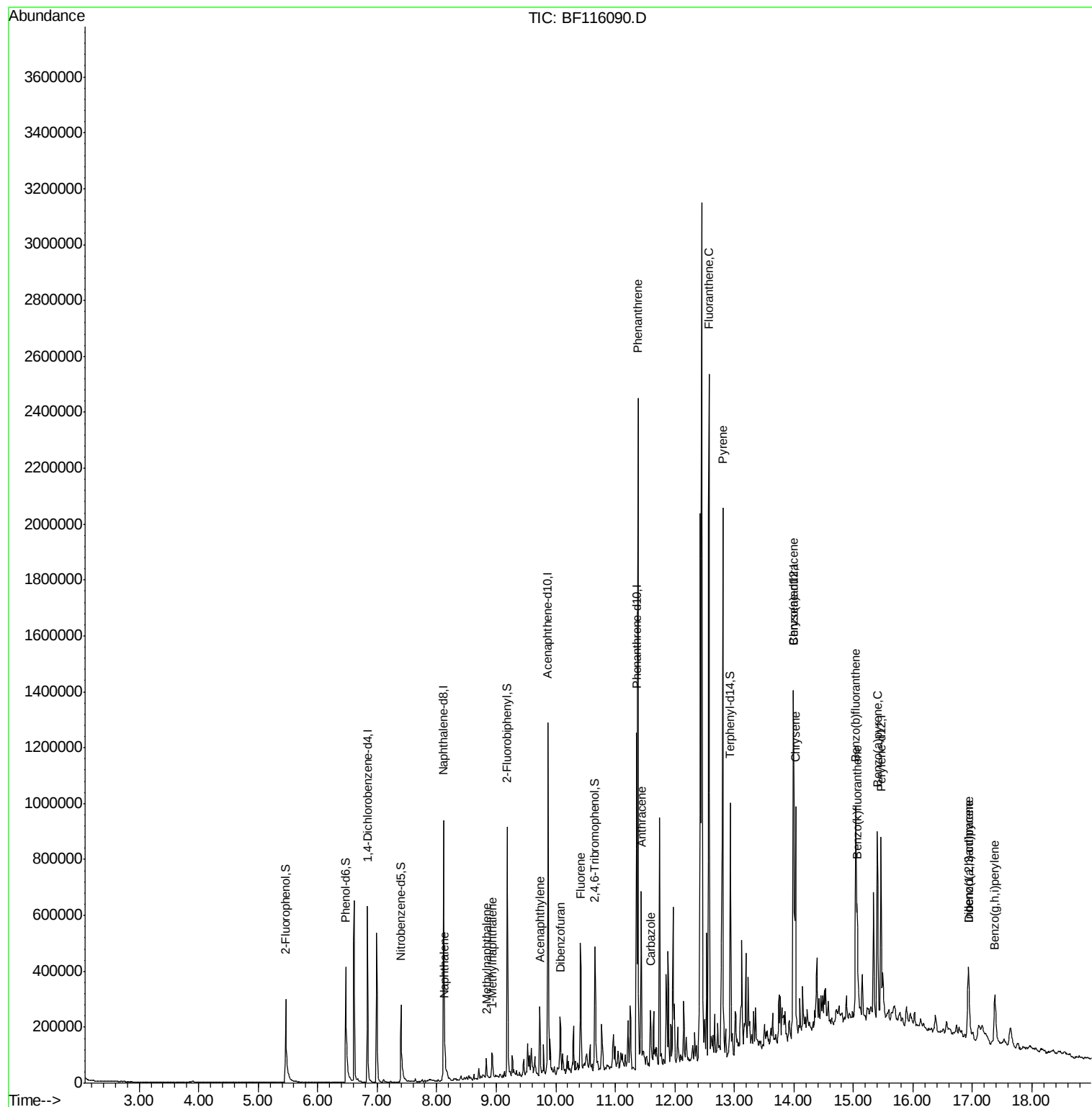
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\  
Data File : BF116090.D  
Acq On : 9 Aug 2019 1:38  
Operator : HP/JU  
Sample : K4095-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

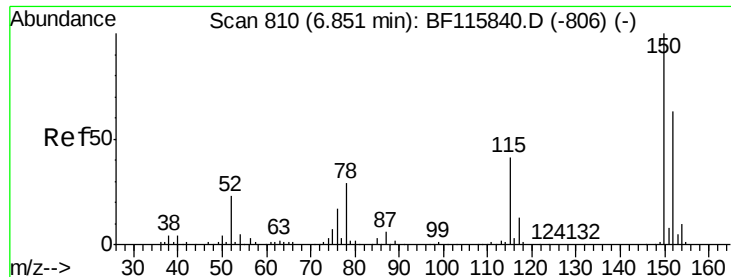
Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

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8/14/2019 9:21:37 AM

Quant Time: Aug 09 16:52:14 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 11:13:18 2019  
Response via : Initial Calibration





#1

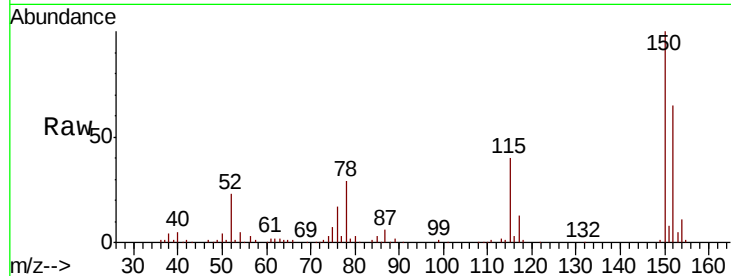
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 126.2 | 189.2 |
| 115     | 62.3  | 49.9  | 74.9  |

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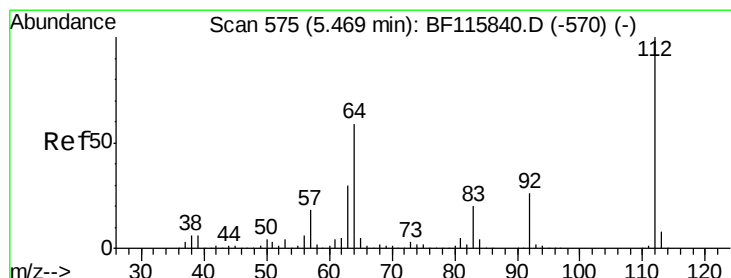
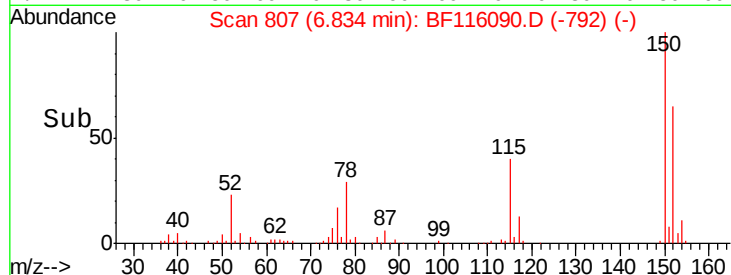
Abundance

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

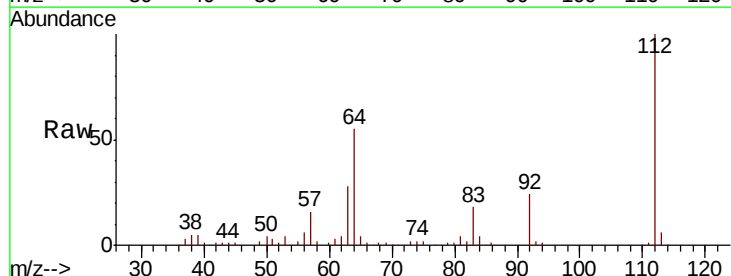
Time-->



#5

2-Fluorophenol  
Concen: 24.698 ng  
RT: 5.46 min Scan# 574  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.4  | 45.4  | 68.2  |
| 63      | 28.1  | 23.7  | 35.5  |



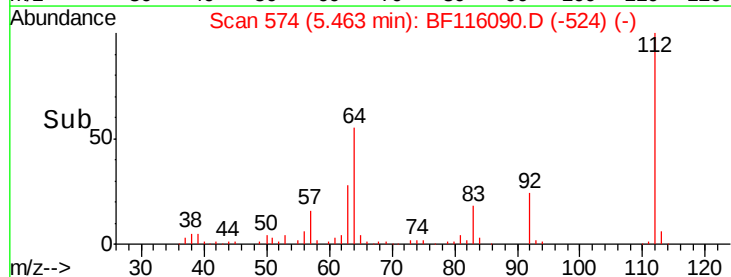
Abundance

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

Time-->





#7

Phenol-d6

Concen: 28.207 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116090.D

Acq: 9 Aug 2019 1:38

Instrument :

BNA\_F

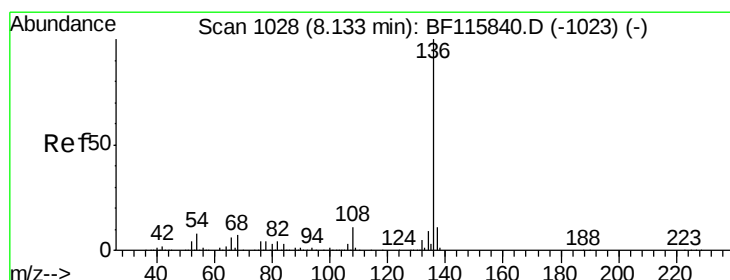
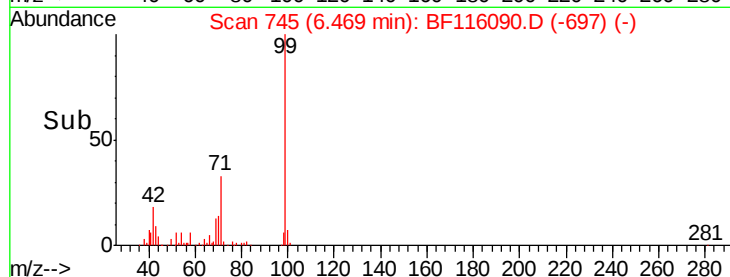
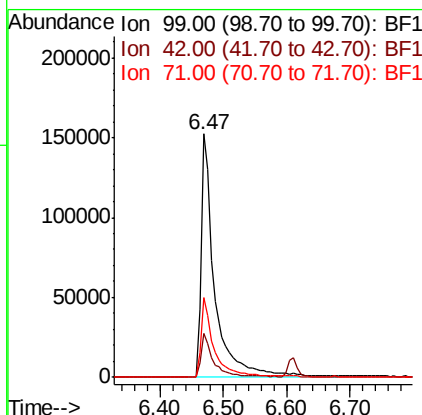
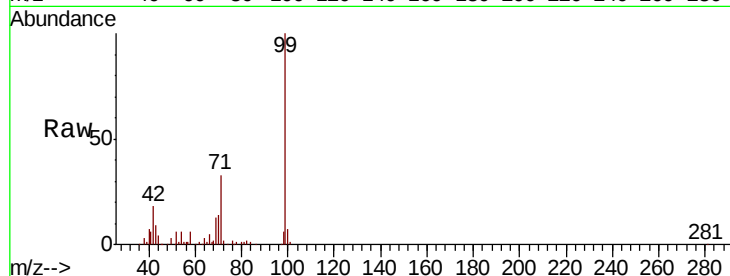
ClientSampleId :

SU-02-080219-B

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 227055 |       |       |
| 42      | 18.2 | 13.8  | 20.8   |       |       |
| 71      | 33.0 | 27.3  | 40.9   |       |       |

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#21

Naphthalene-d8

Concen: 20.000 ng

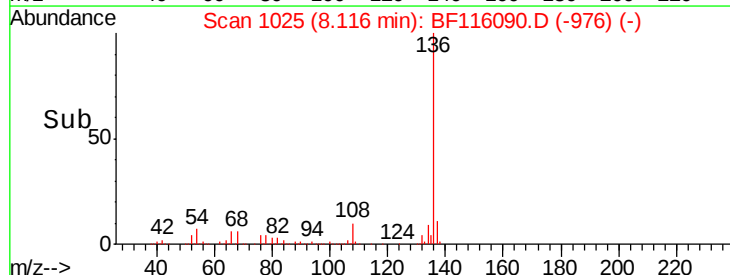
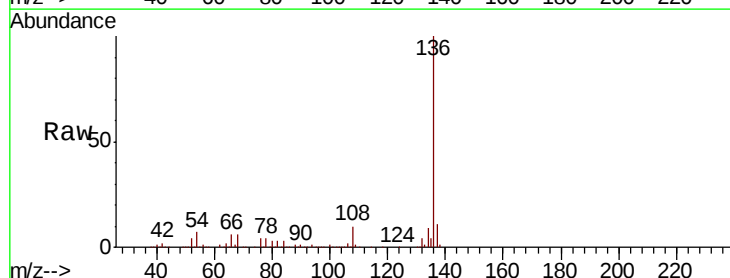
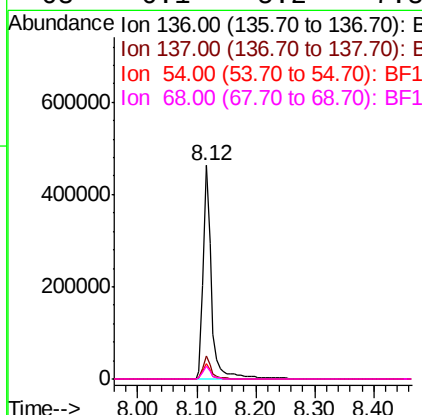
RT: 8.12 min Scan# 1025

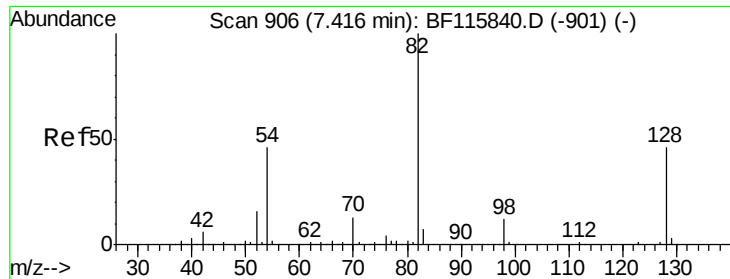
Delta R.T. -0.01 min

Lab File: BF116090.D

Acq: 9 Aug 2019 1:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 445687 |       |       |
| 137     | 11.1 | 9.0   | 13.4   |       |       |
| 54      | 7.2  | 5.8   | 8.6    |       |       |
| 68      | 6.1  | 5.2   | 7.8    |       |       |





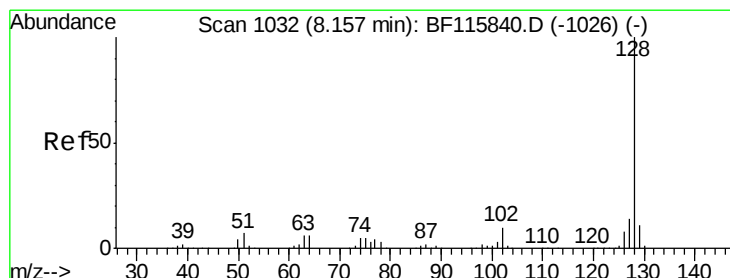
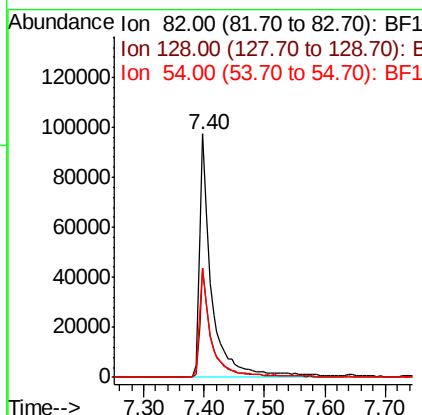
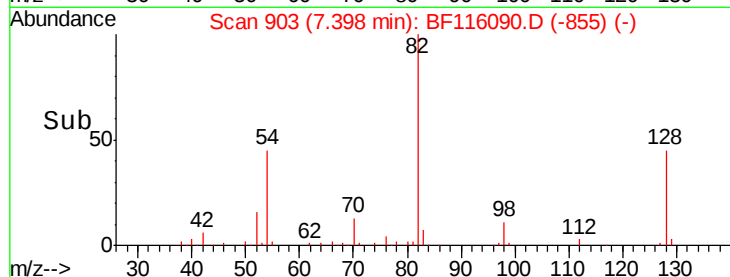
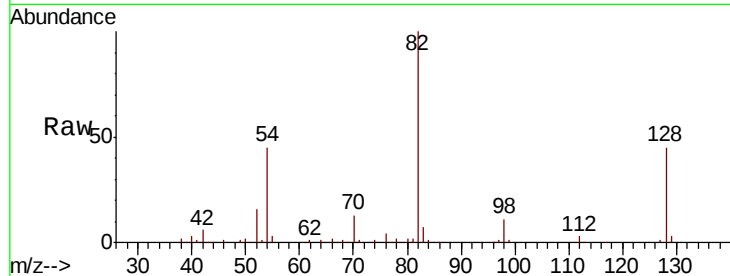
#23  
Nitrobenzene-d5  
Concen: 18.284 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 141175 |       |       |
| 128     | 44.8  | 36.5   | 54.7  |       |
| 54      | 44.9  | 36.0   | 54.0  |       |

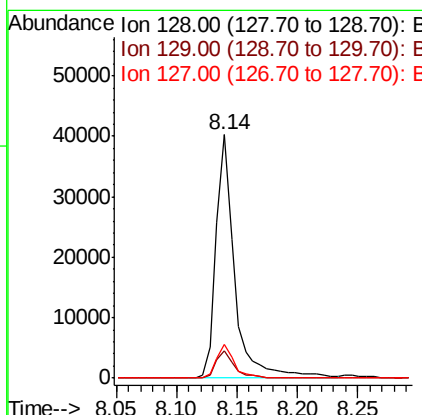
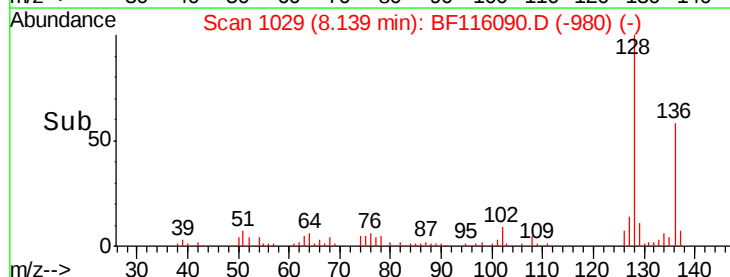
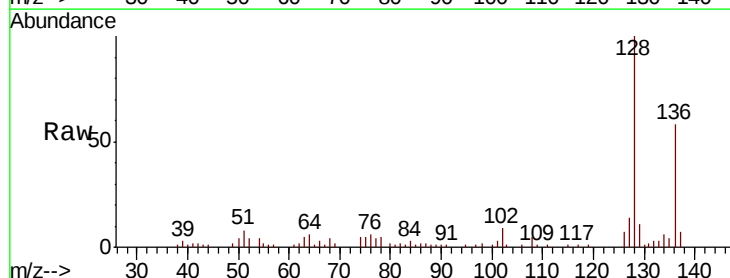
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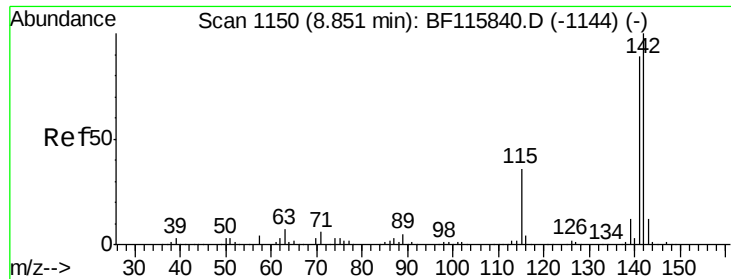
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#31  
Naphthalene  
Concen: 2.040 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 42789 |       |       |
| 129     | 11.0  | 9.3   | 13.9  |       |
| 127     | 13.7  | 11.4  | 17.0  |       |





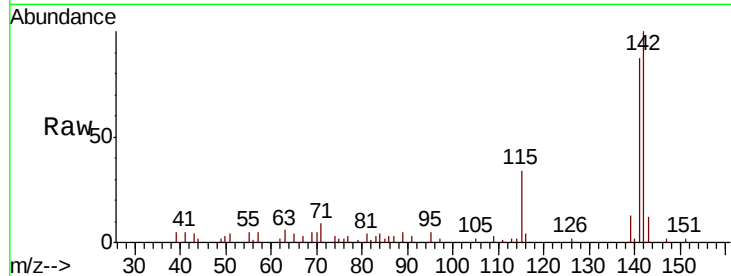
#37  
2-Methylnaphthalene  
Concen: 2.010 ng  
RT: 8.83 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampled :  
SU-02-080219-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.5  | 70.9  | 106.3 |
| 115     | 34.0  | 29.0  | 43.6  |

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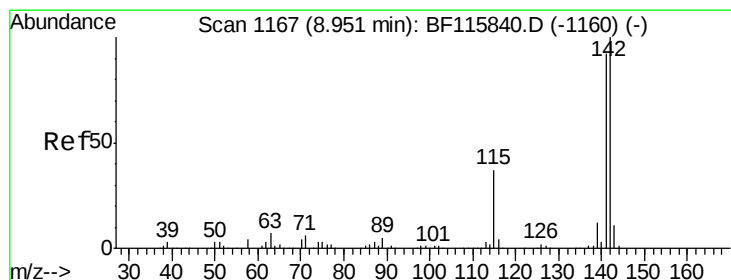
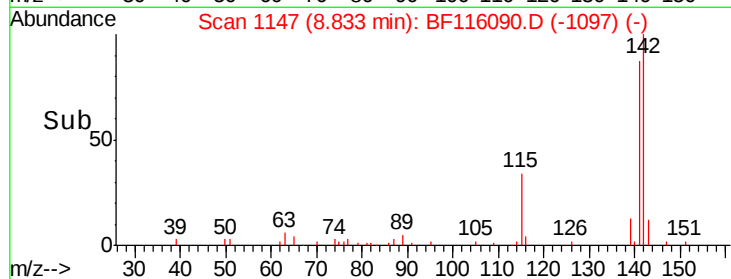
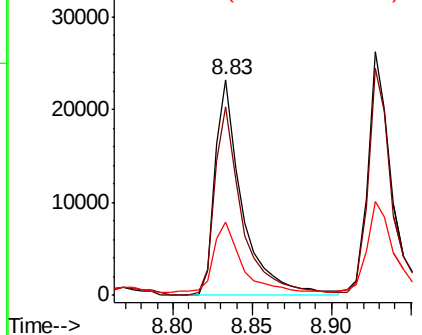


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 2.214 ng  
RT: 8.93 min Scan# 1163  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

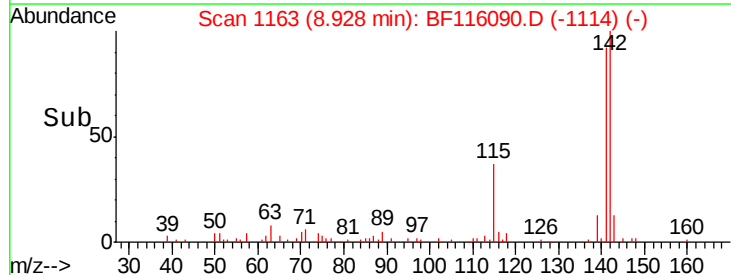
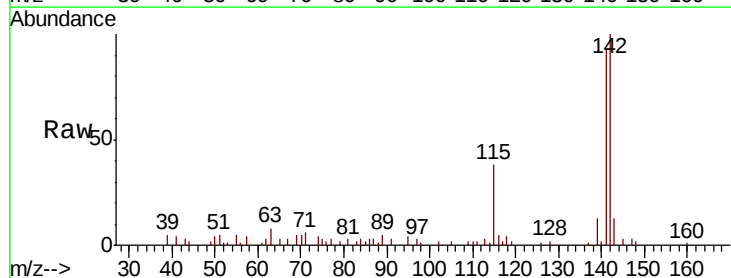
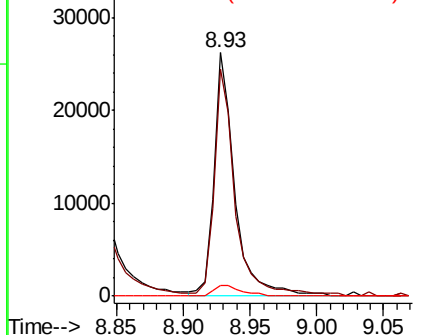
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.1  | 74.4  | 111.6 |
| 116     | 4.5   | 3.1   | 4.7   |

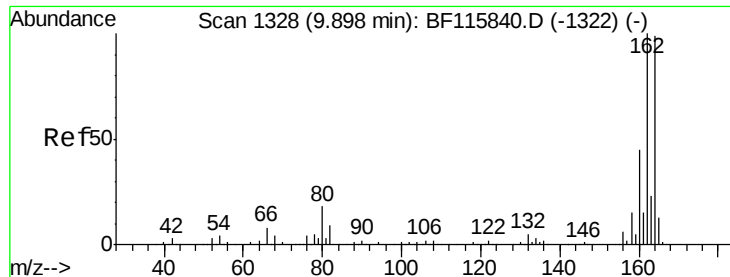
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





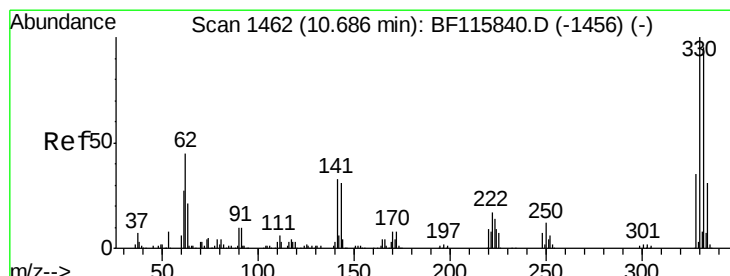
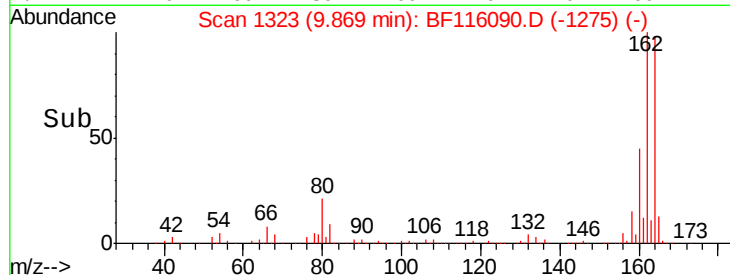
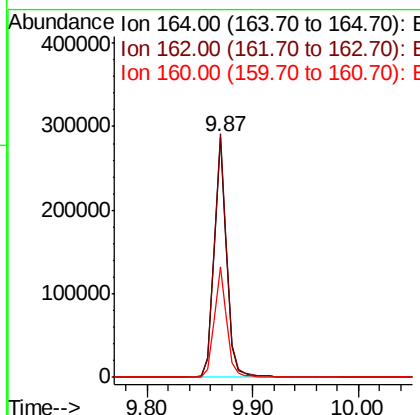
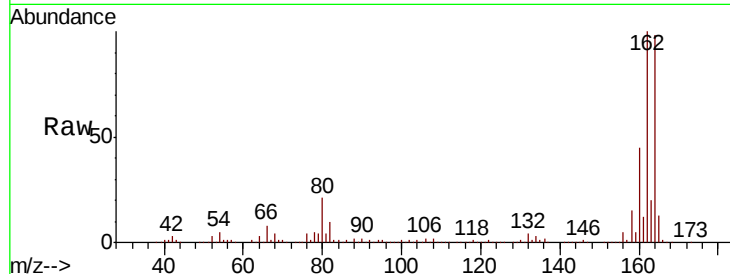
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 101.5 | 82.6 | 124.0 |       |
| 160     | 45.9  | 37.6 | 56.4  |       |

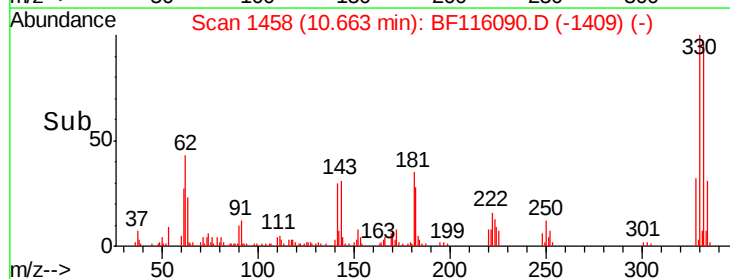
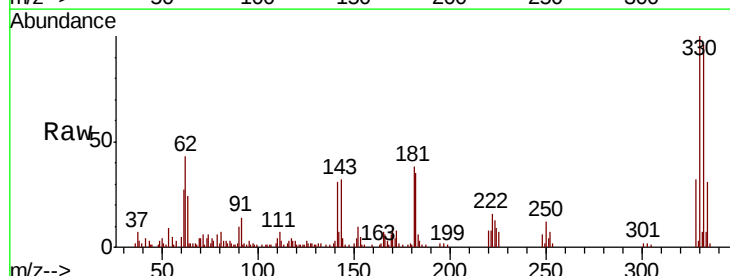
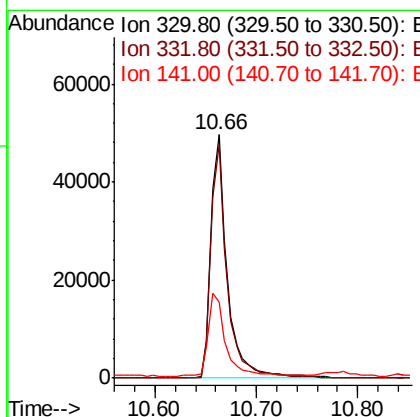
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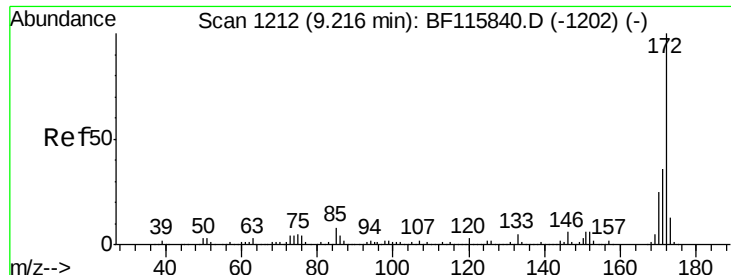
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#42  
2,4,6-Tribromophenol  
Concen: 23.739 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 94.6  | 76.8 | 115.2 |       |
| 141     | 36.4  | 26.3 | 39.5  |       |





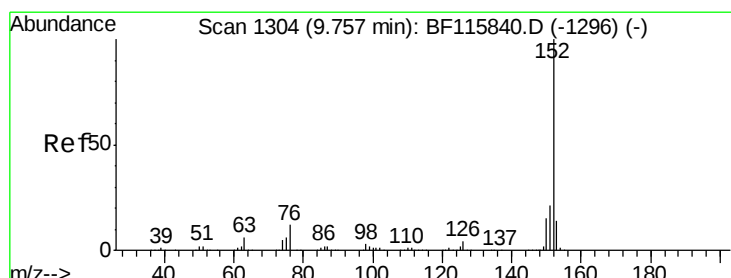
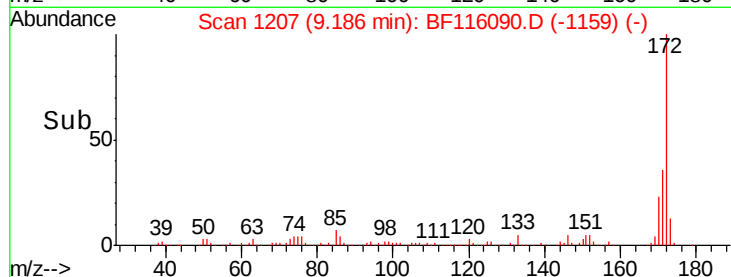
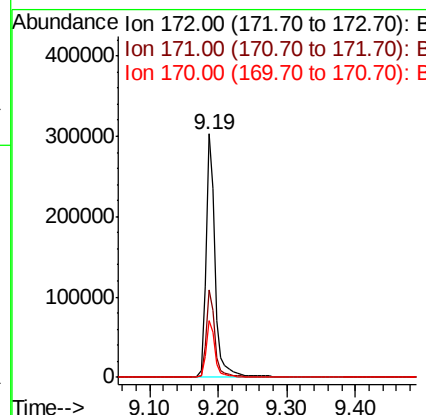
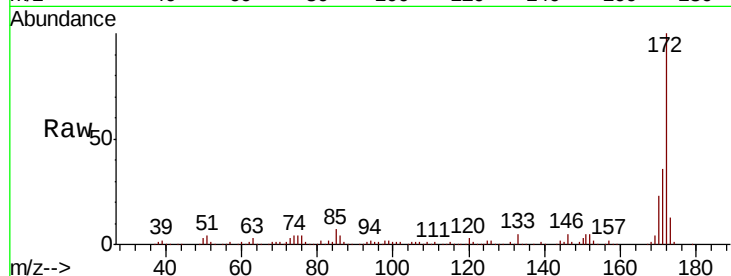
#45  
2-Fluorobiphenyl  
Concen: 22.209 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 290011 |       |       |
| 171     | 35.7  |        | 29.6  | 44.4  |
| 170     | 23.5  |        | 20.1  | 30.1  |

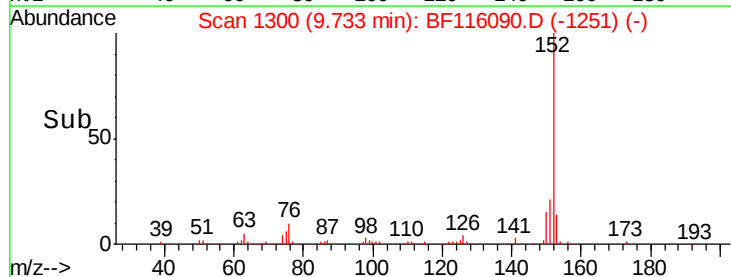
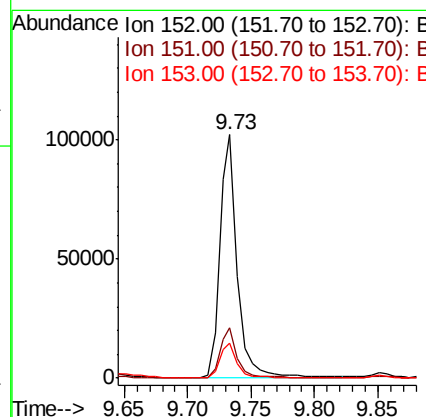
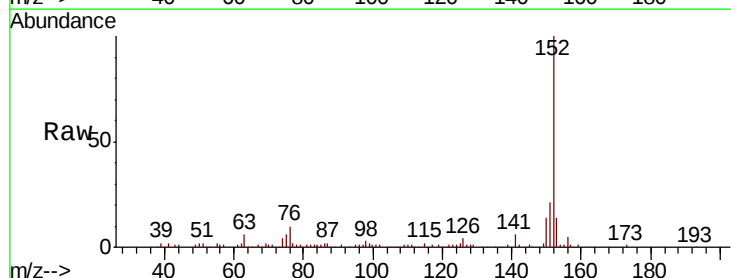
Manual Integrations  
APPROVED

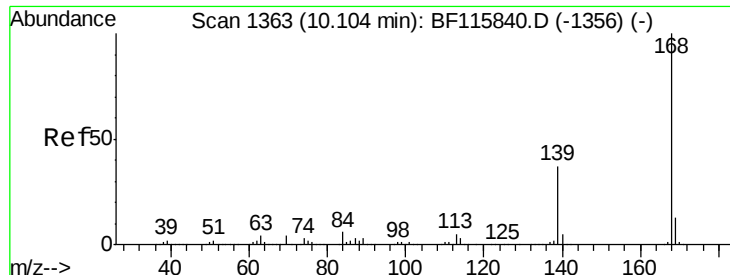
mohammad  
8/14/2019 9:21:37 AM



#49  
Acenaphthylene  
Concen: 4.748 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 99554 |       |       |
| 151     | 20.8  |       | 17.2  | 25.8  |
| 153     | 14.4  |       | 11.8  | 17.8  |





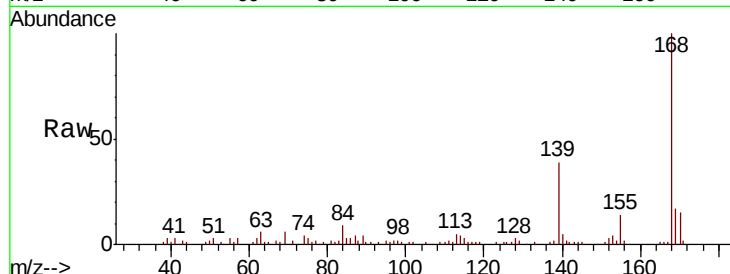
#55  
Dibenzenofuran  
Concen: 3.980 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.1  | 31.4  | 47.2  |
| 169     | 16.6  | 10.9  | 16.3  |

Manual Integrations  
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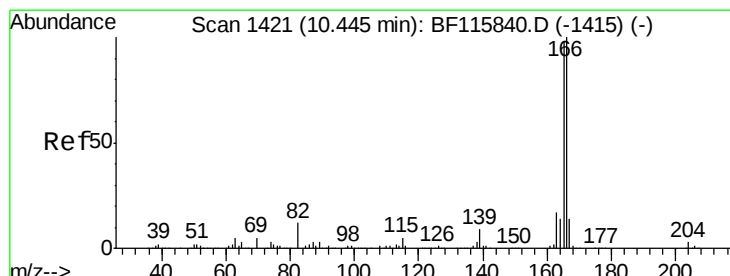
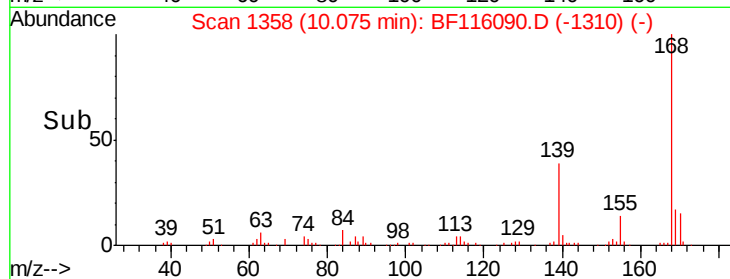
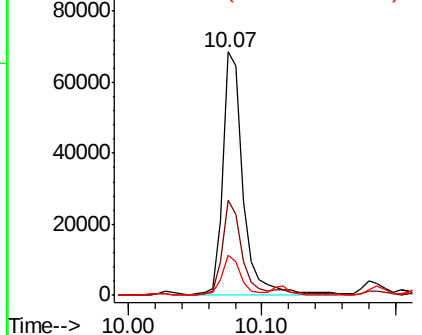


Abundance

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



#58  
Fluorene  
Concen: 9.904 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

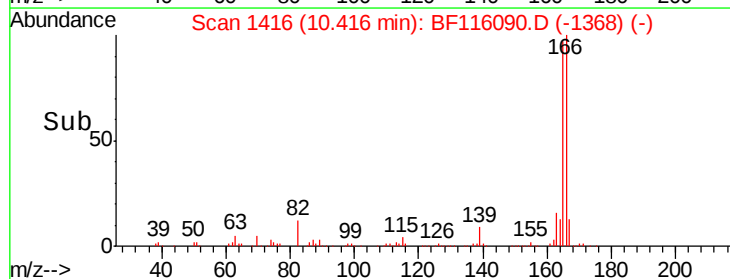
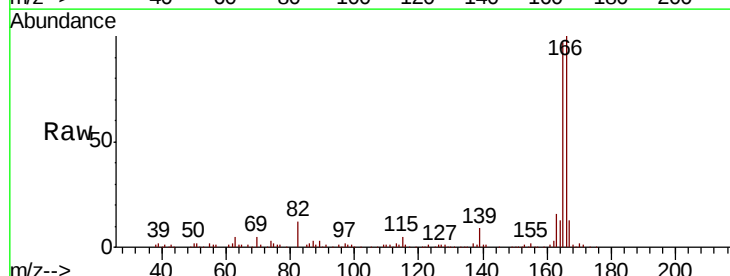
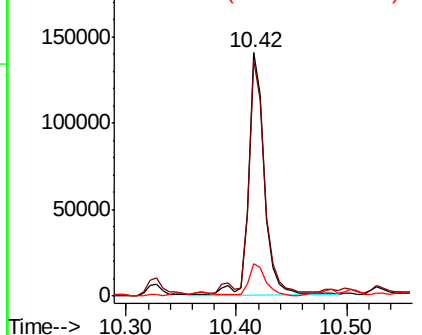
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.1  | 78.4  | 117.6 |
| 167     | 13.4  | 11.0  | 16.4  |

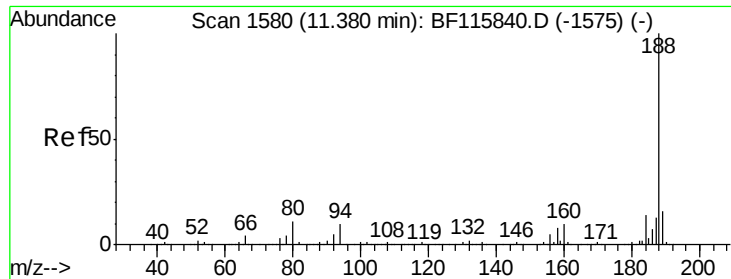
Abundance

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





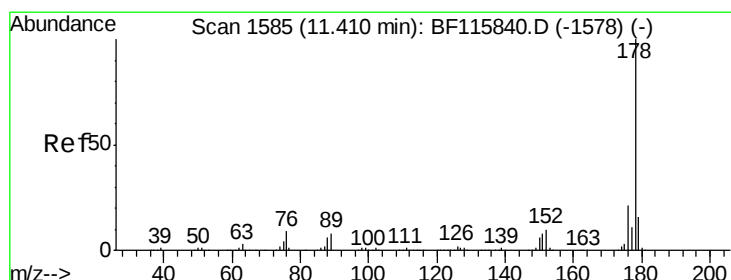
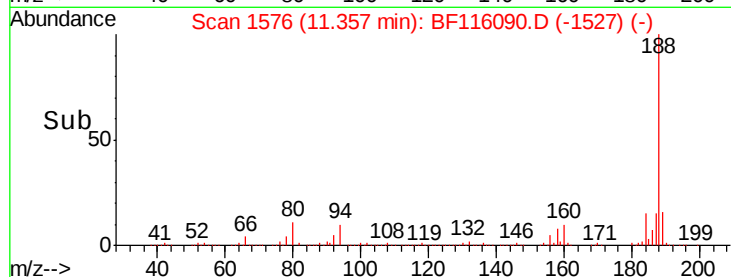
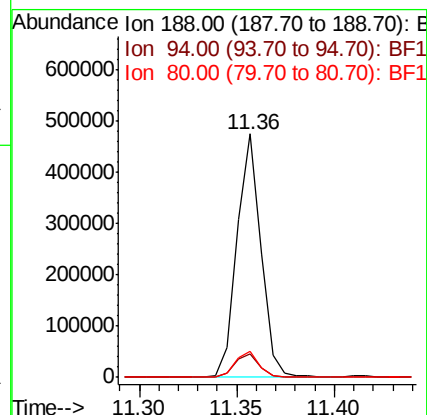
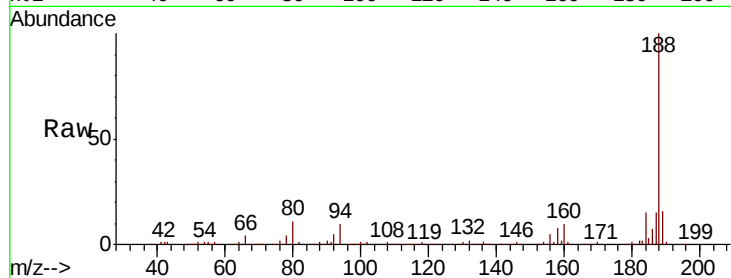
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 403599 |       |       |
| 94      | 9.5   | 8.1    | 12.1  |       |
| 80      | 10.6  | 8.7    | 13.1  |       |

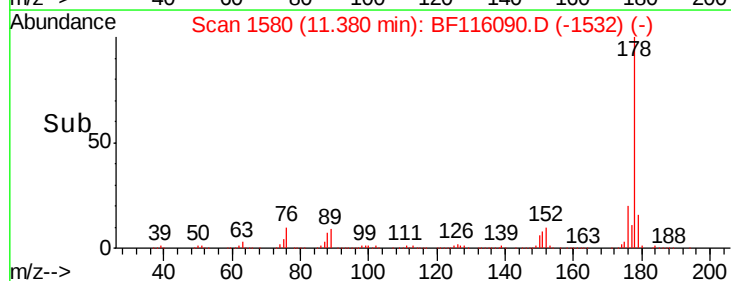
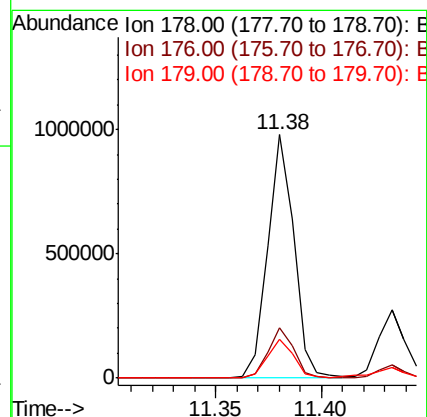
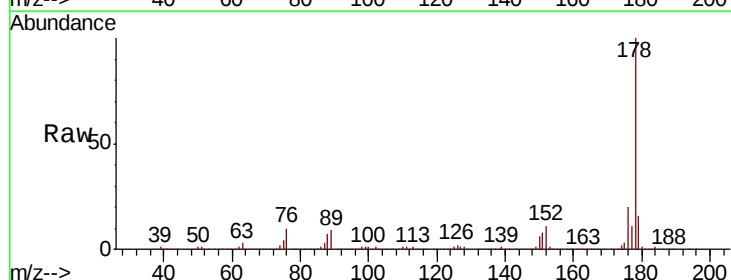
Manual Integrations  
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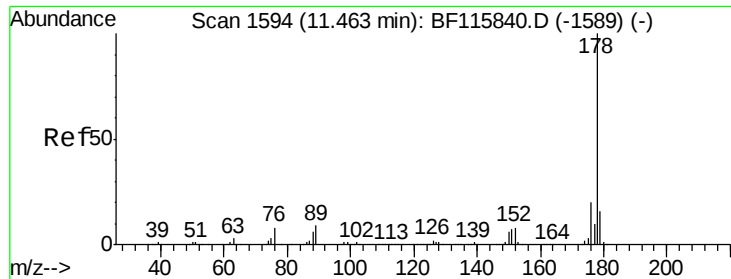
mohammad  
8/14/2019 9:21:37 AM



#71  
Phenanthrene  
Concen: 41.197 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 850002 |       |       |
| 176     | 20.4  | 16.6   | 24.8  |       |
| 179     | 16.1  | 12.5   | 18.7  |       |





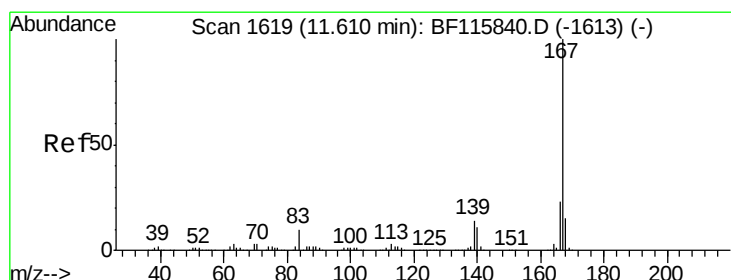
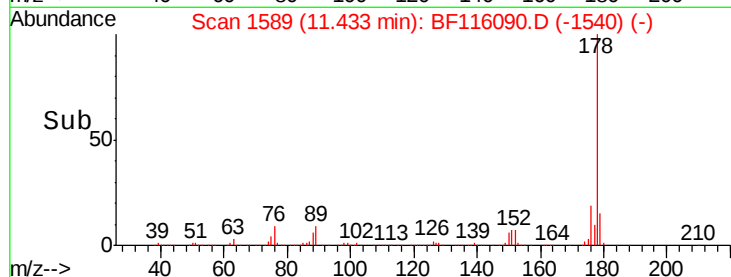
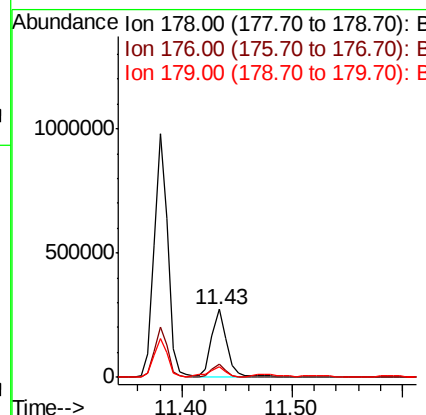
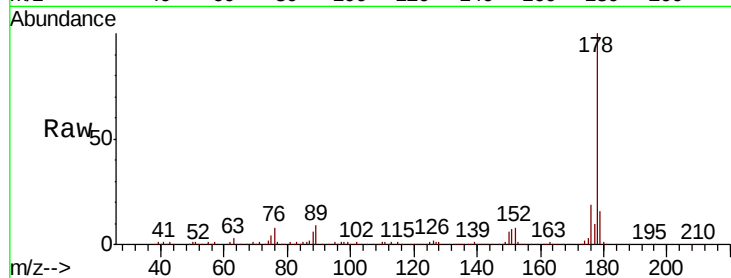
#72  
 Anthracene  
 Concen: 12.620 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. -0.01 min  
 Lab File: BF116090.D  
 Acq: 9 Aug 2019 1:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-02-080219-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.7  | 23.5  |
| 179     | 15.7  | 13.0  | 19.6  |

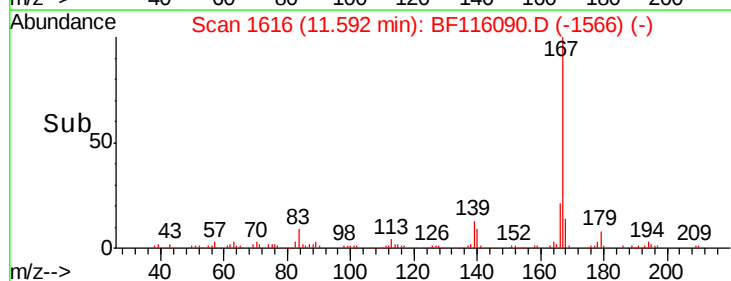
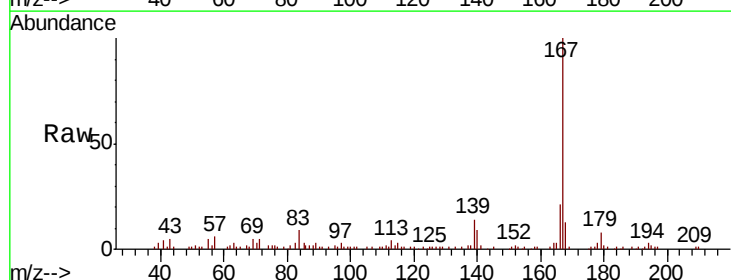
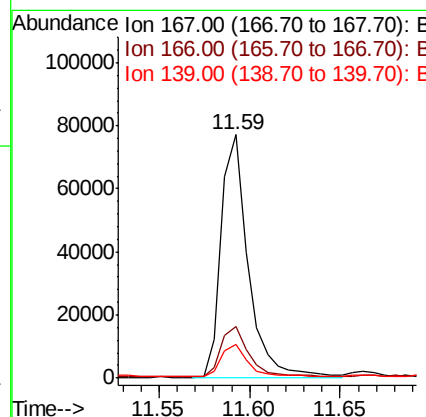
Manual Integrations  
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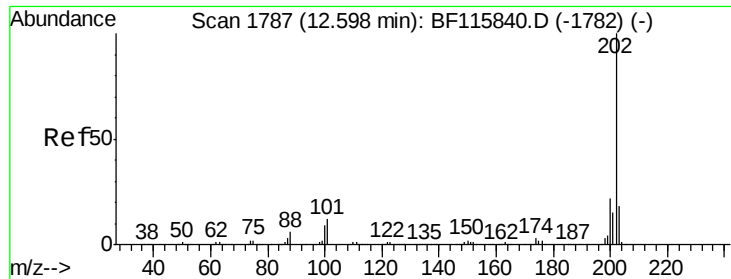
mohammad  
 8/14/2019 9:21:37 AM



#73  
 Carbazole  
 Concen: 4.299 ng  
 RT: 11.59 min Scan# 1616  
 Delta R.T. -0.01 min  
 Lab File: BF116090.D  
 Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.2  | 17.8  | 26.6  |
| 139     | 13.7  | 11.4  | 17.0  |





#75

Fluoranthene

Concen: 44.244 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116090.D

Acq: 9 Aug 2019 1:38

Instrument :

BNA\_F

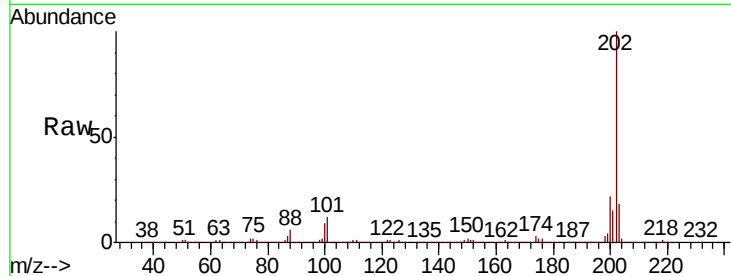
ClientSampleId :

SU-02-080219-B

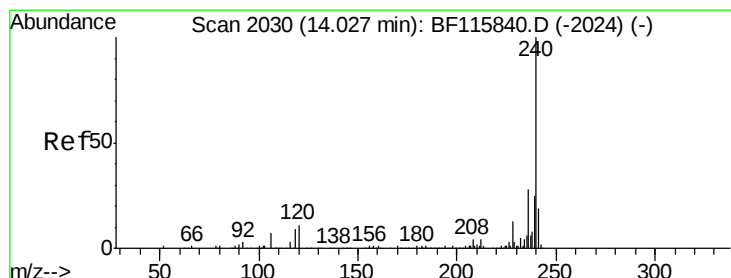
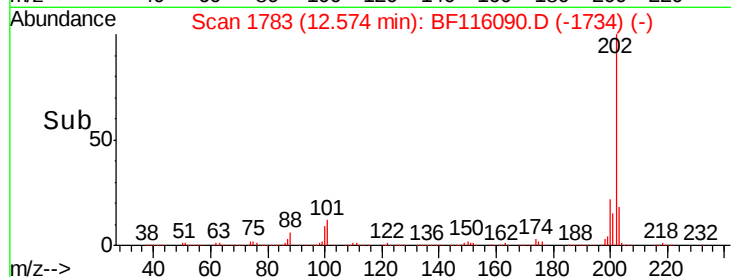
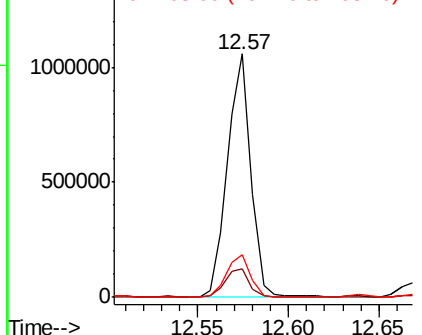
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 12.0  | 0.0        | 31.2  |
| 203     | 17.7  | 0.0        | 37.8  |

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



#76

Chrysene-d12

Concen: 20.000 ng

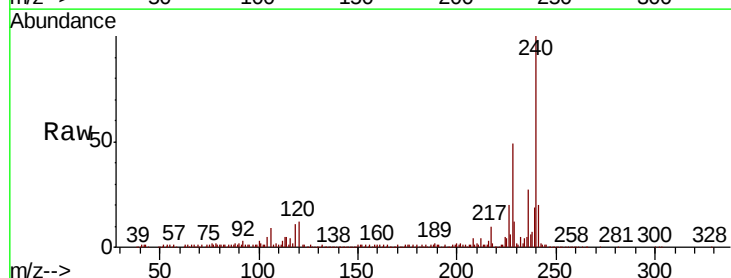
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

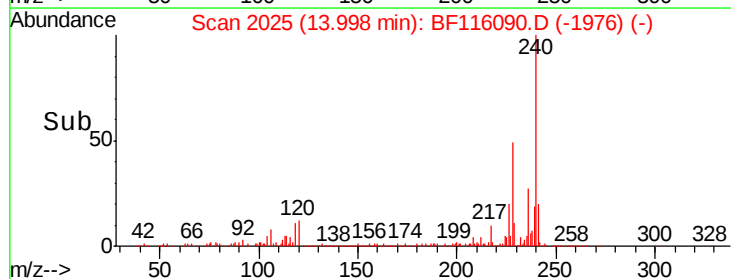
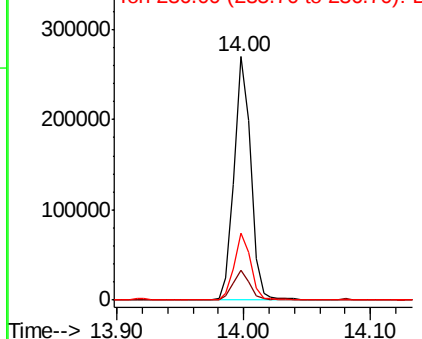
Lab File: BF116090.D

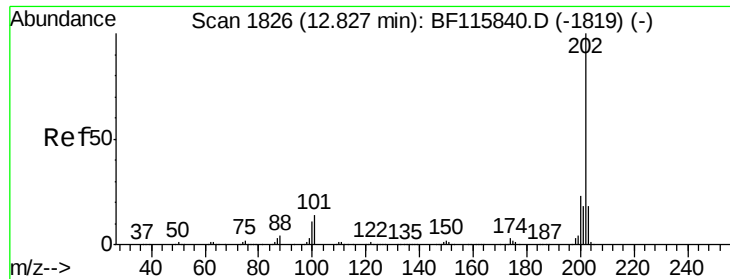
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 12.3  | 10.7       | 16.1  |
| 236     | 27.3  | 22.2       | 33.2  |



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





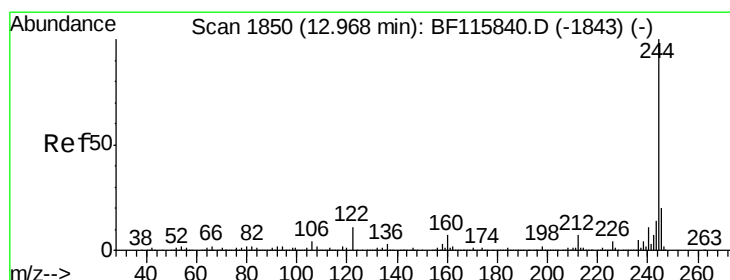
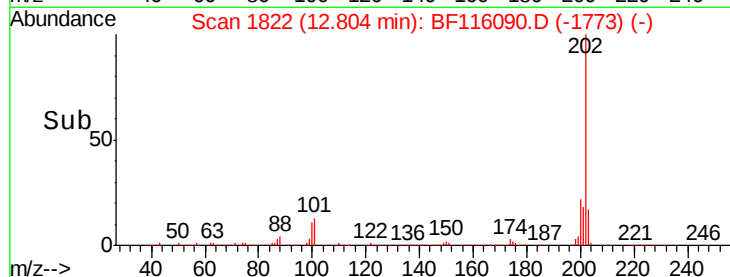
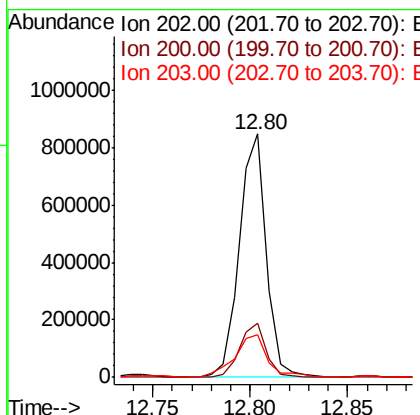
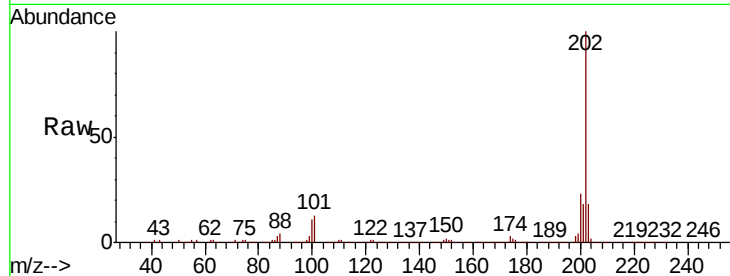
#78  
Pvrene  
Concen: 44.341 ng  
RT: 12.80 min Scan# 1822  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 22.5  | 18.0       | 27.0  |
| 203     | 17.8  | 14.1       | 21.1  |

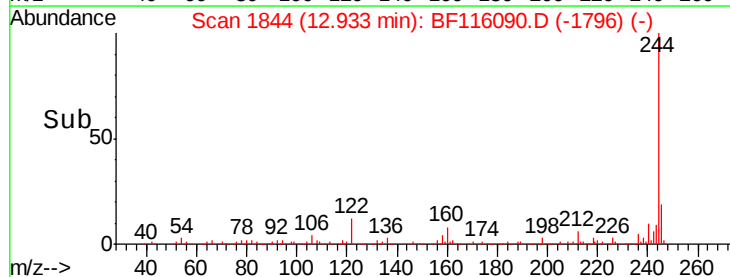
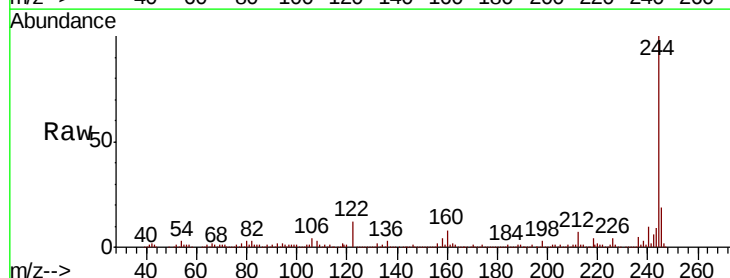
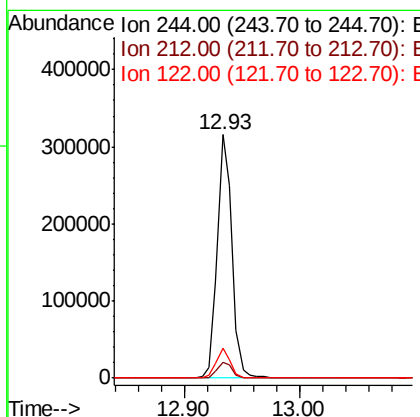
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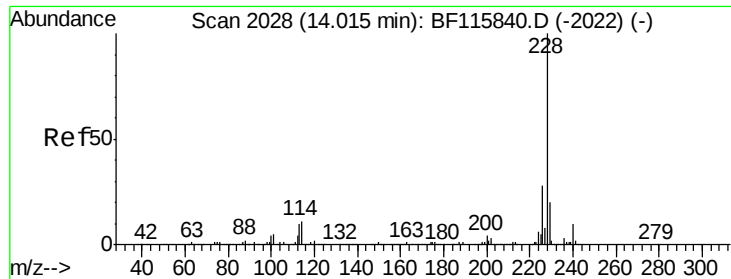
mohammad  
8/14/2019 9:21:37 AM



#79  
Terphenyl-d14  
Concen: 24.434 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.6   | 5.8        | 8.8   |
| 122     | 12.1  | 9.0        | 13.4  |





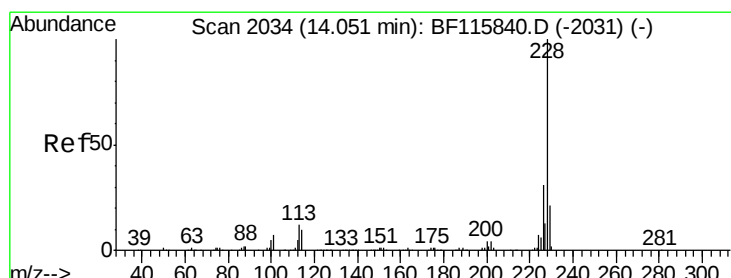
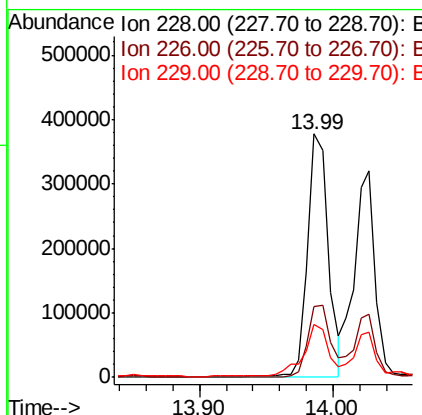
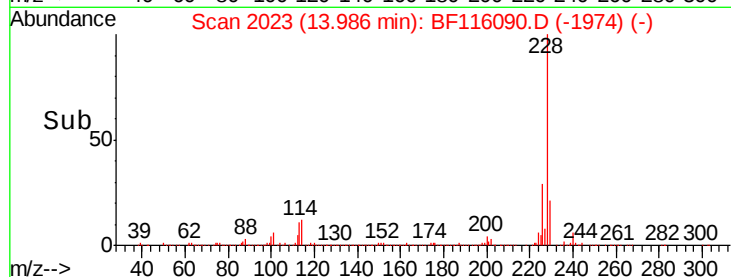
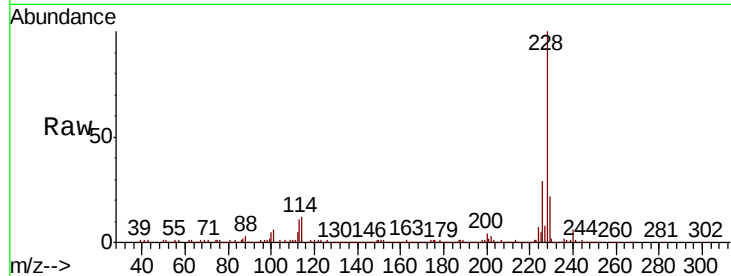
#81  
Benzo(a)anthracene  
Concen: 25.865 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 398395 |       |       |
| 226     | 29.0  | 22.7   | 34.1  |       |
| 229     | 21.8  | 16.2   | 24.4  |       |

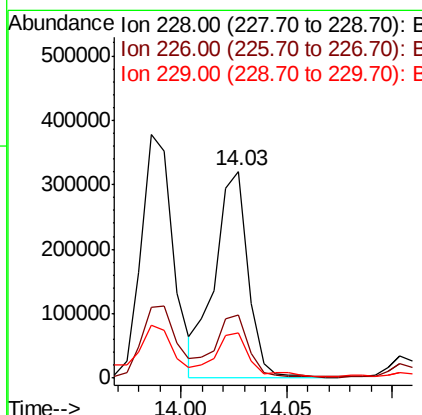
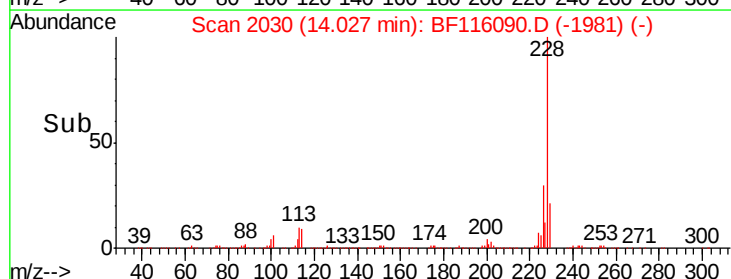
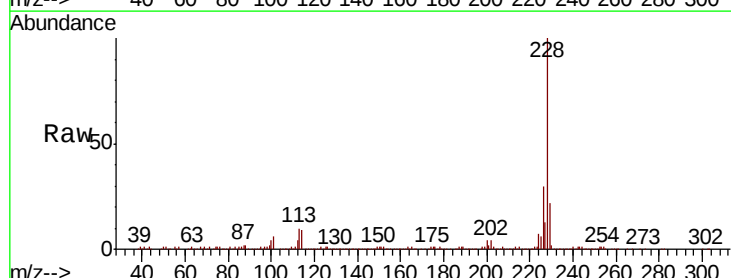
Manual Integrations  
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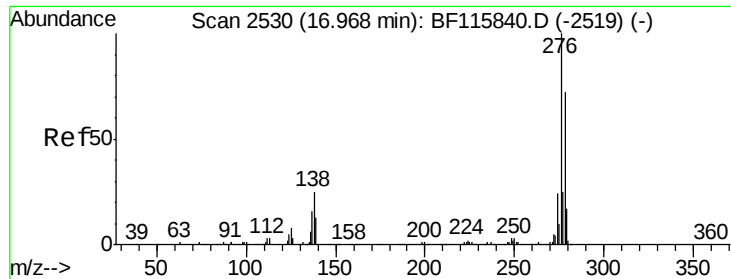
mohammad  
8/14/2019 9:21:37 AM



#83  
Chrysene  
Concen: 23.327 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 348817 |       |       |
| 226     | 30.4  | 25.5   | 38.3  |       |
| 229     | 21.8  | 16.6   | 24.8  |       |





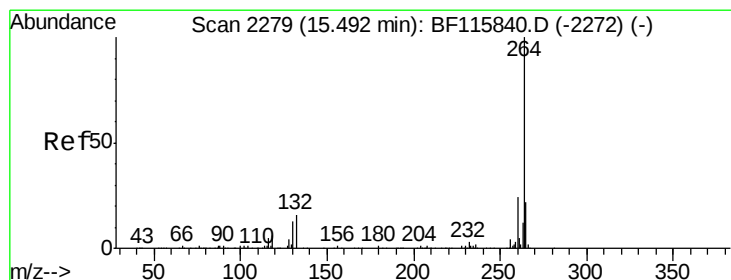
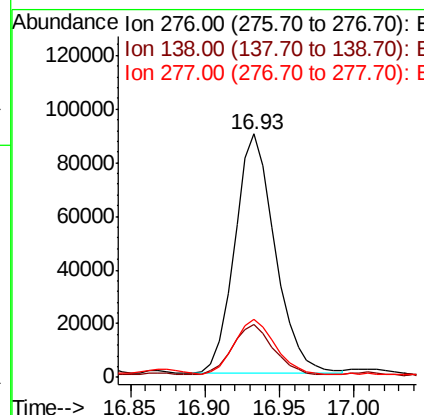
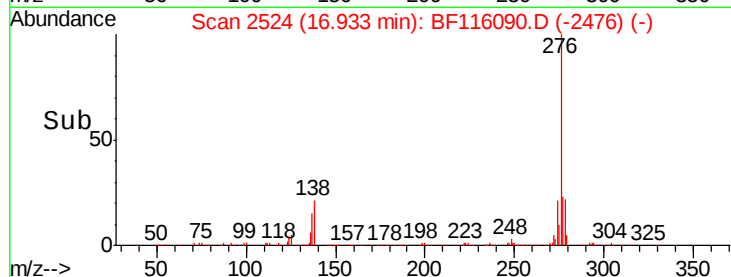
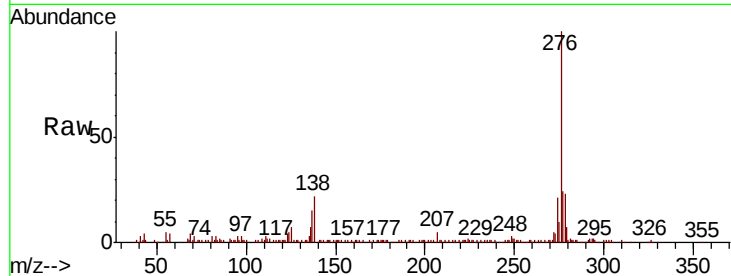
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 13.367 ng  
RT: 16.93 min Scan# 2524  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 167886 |       |       |
| 138     | 21.7  | 20.4   | 30.6  |       |
| 277     | 23.4  | 20.0   | 30.0  |       |

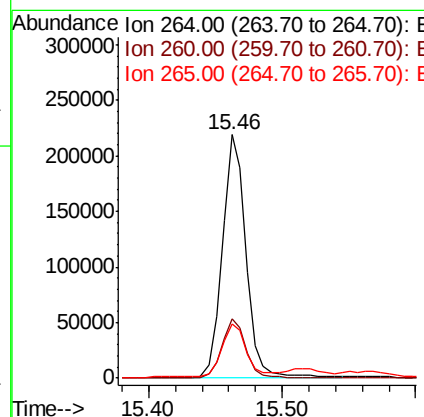
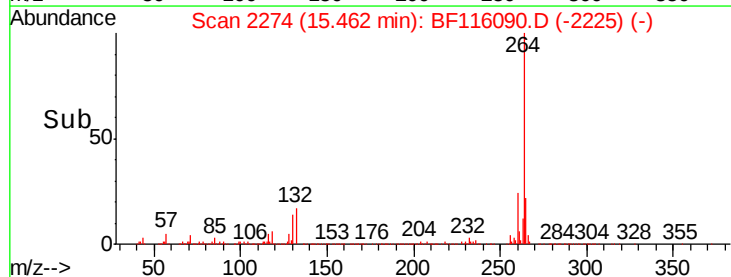
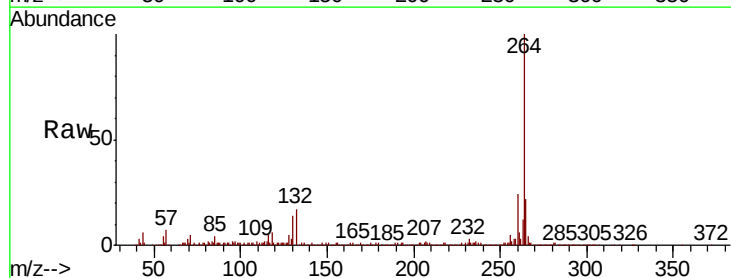
Manual Integrations  
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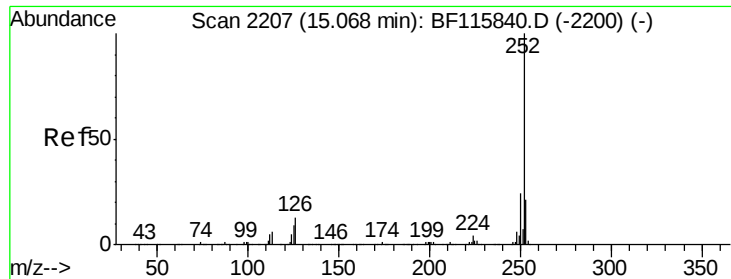
mohammad  
8/14/2019 9:21:37 AM



#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 271366 |       |       |
| 260     | 24.3  | 19.7   | 29.5  |       |
| 265     | 22.5  | 17.4   | 26.0  |       |





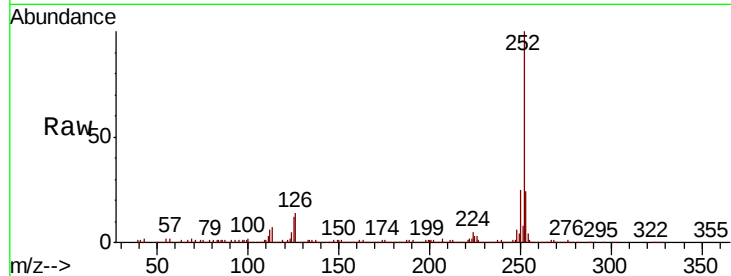
#88  
Benzo(b)fluoranthene  
Concen: 28.723 ng m  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

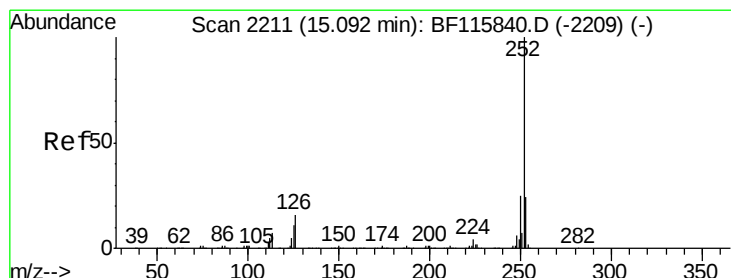
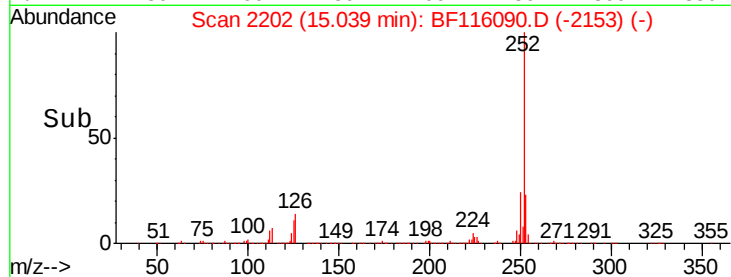
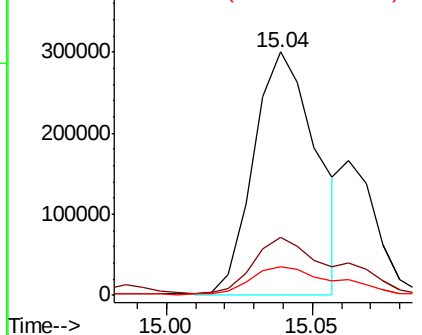
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.8  | 26.8  |
| 125     | 11.7  | 8.4   | 12.6  |

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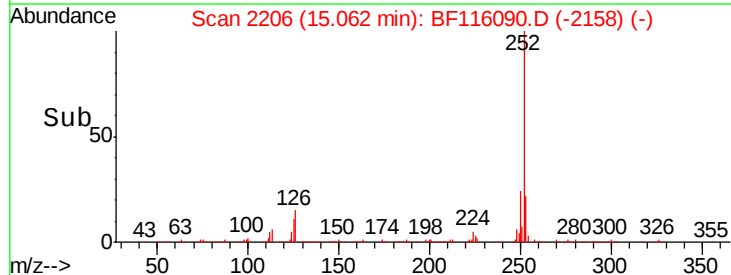
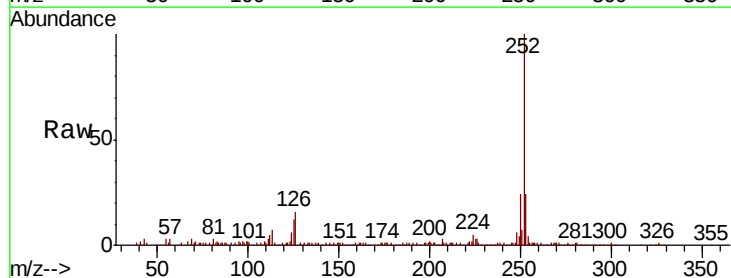
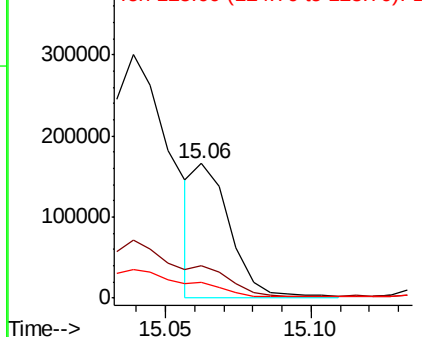
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

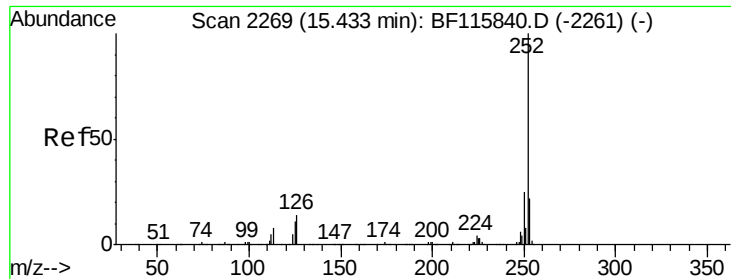


#89  
Benzo(k)fluoranthene  
Concen: 9.369 ng m  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 17.8  | 26.8  |
| 125     | 11.6  | 7.7   | 11.5# |

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





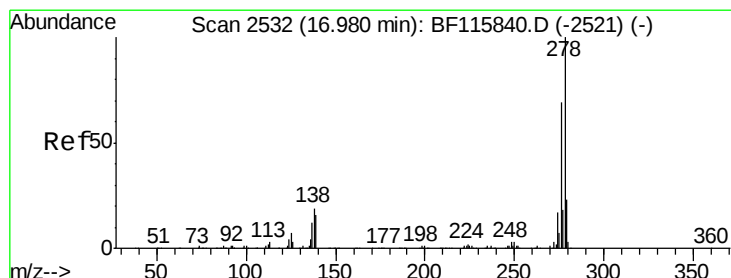
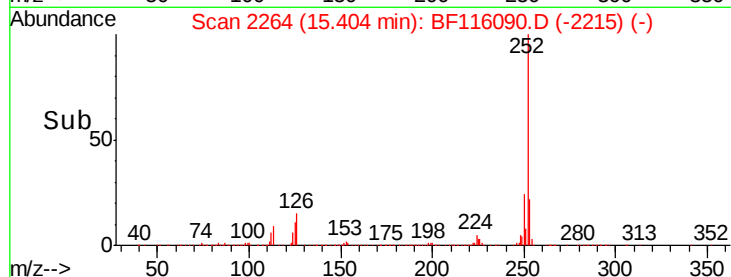
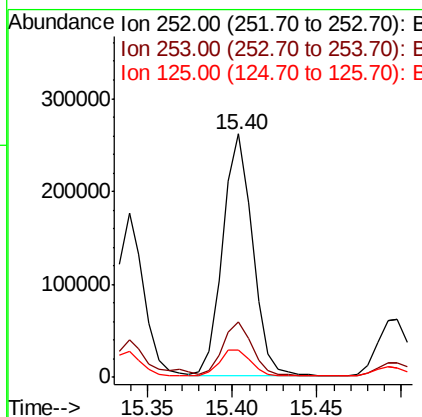
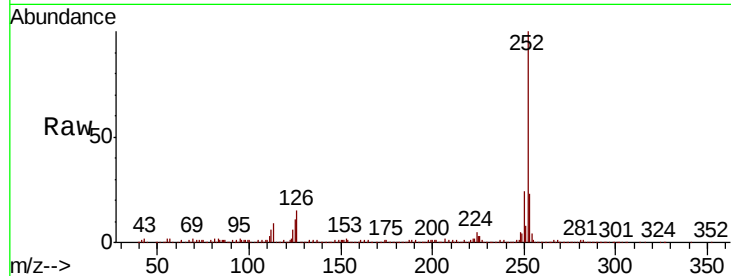
#90  
Benzo(a)pyrene  
Concen: 22.903 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. -0.01 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

Instrument :  
BNA\_F  
ClientSampleId :  
SU-02-080219-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.0  | 27.0  |
| 125     | 11.5  | 8.9   | 13.3  |

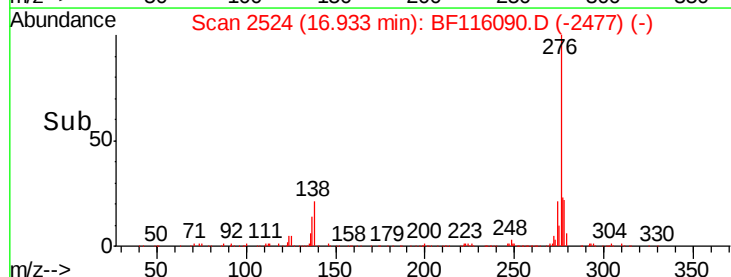
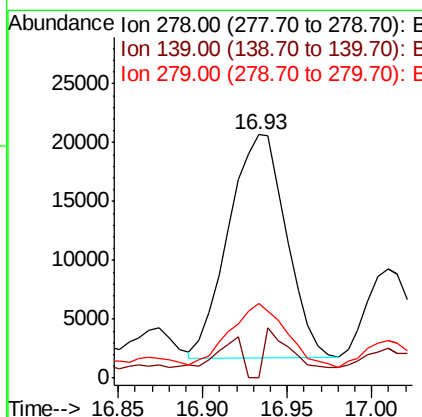
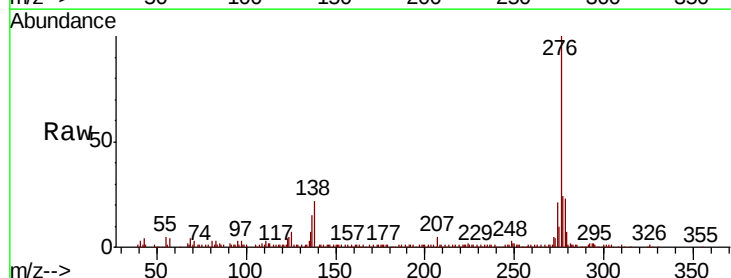
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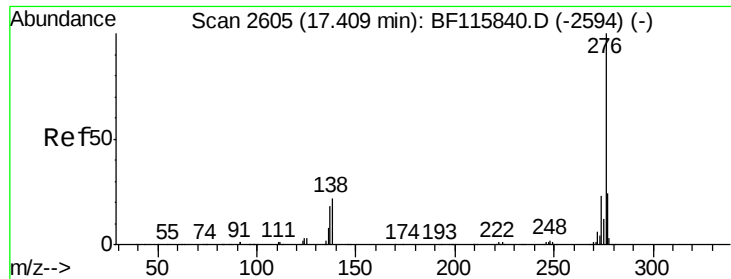
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#91  
Dibenzo(a,h)anthracene  
Concen: 3.687 ng  
RT: 16.93 min Scan# 2524  
Delta R.T. -0.02 min  
Lab File: BF116090.D  
Acq: 9 Aug 2019 1:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 12.8  | 19.2# |
| 279     | 30.4  | 18.8  | 28.2# |





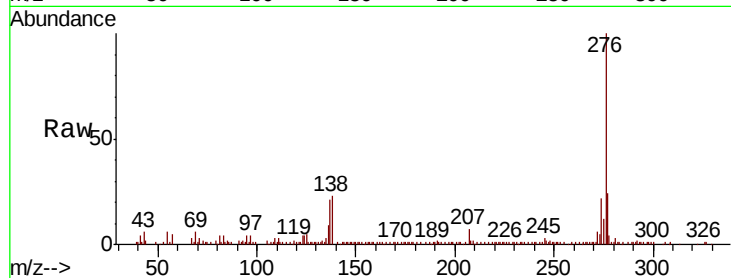
#92  
 Benzo(a,h,i)perylene  
 Concen: 12.296 ng  
 RT: 17.37 min Scan# 2599  
 Delta R.T. -0.01 min  
 Lab File: BF116090.D  
 Acq: 9 Aug 2019 1:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-02-080219-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.4  | 27.6  |
| 138     | 22.8  | 17.0  | 25.6  |

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

