

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\  
 Data File : BF116370.D  
 Acq On : 17 Aug 2019 21:00  
 Operator : HP/JU  
 Sample : K4223-23  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-12

Manual Integrations  
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 8/19/2019 3:31:18 PM

Quant Time: Aug 19 07:34:44 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   | 6.81  | 152  | 141187   | 20.00  | ng    | -0.04     |
| 21) Naphthalene-d8          | 8.09  | 136  | 532020   | 20.00  | ng    | -0.04     |
| 39) Acenaphthene-d10        | 9.84  | 164  | 262420   | 20.00  | ng    | -0.05     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 398292   | 20.00  | ng    | -0.04     |
| 76) Chrysene-d12            | 13.97 | 240  | 257804   | 20.00  | ng    | -0.04     |
| 87) Perylene-d12            | 15.43 | 264  | 274602   | 20.00  | ng    | -0.05     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.44  | 112  | 922570   | 109.39 | ng    | -0.03     |
| 7) Phenol-d6                | 6.46  | 99   | 1199403  | 112.72 | ng    | -0.03     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 759458   | 82.40  | ng    | -0.04     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 271275   | 106.62 | ng    | -0.04     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 1177777  | 84.07  | ng    | -0.04     |
| 79) Terphenyl-d14           | 12.91 | 244  | 880750   | 71.99  | ng    | -0.04     |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.47  | 94   | 31827    | 2.540  | ng    | Qvalue 94 |
| 50) Dimethylphthalate       | 9.56  | 163  | 279799   | 15.659 | ng    | 99        |
| 71) Phenanthrene            | 11.35 | 178  | 77835    | 3.823  | ng    | 98        |
| 75) Fluoranthene            | 12.54 | 202  | 128778   | 6.041  | ng    | 99        |
| 78) Pyrene                  | 12.77 | 202  | 109576   | 5.638  | ng    | 98        |
| 81) Benzo(a)anthracene      | 13.96 | 228  | 52788    | 3.204  | ng    | 97        |
| 83) Chrysene                | 14.00 | 228  | 53680    | 3.356  | ng    | 99        |
| 86) Indeno(1,2,3-cd)pyrene  | 16.91 | 276  | 32248    | 2.400  | ng    | 97        |
| 88) Benzo(b)fluoranthene    | 15.01 | 252  | 74932m   | 4.719  | ng    |           |
| 90) Benzo(a)pyrene          | 15.37 | 252  | 50176    | 3.535  | ng    | # 90      |
| 92) Benzo(g,h,i)perylene    | 17.36 | 276  | 36515    | 3.026  | ng    | # 89      |

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

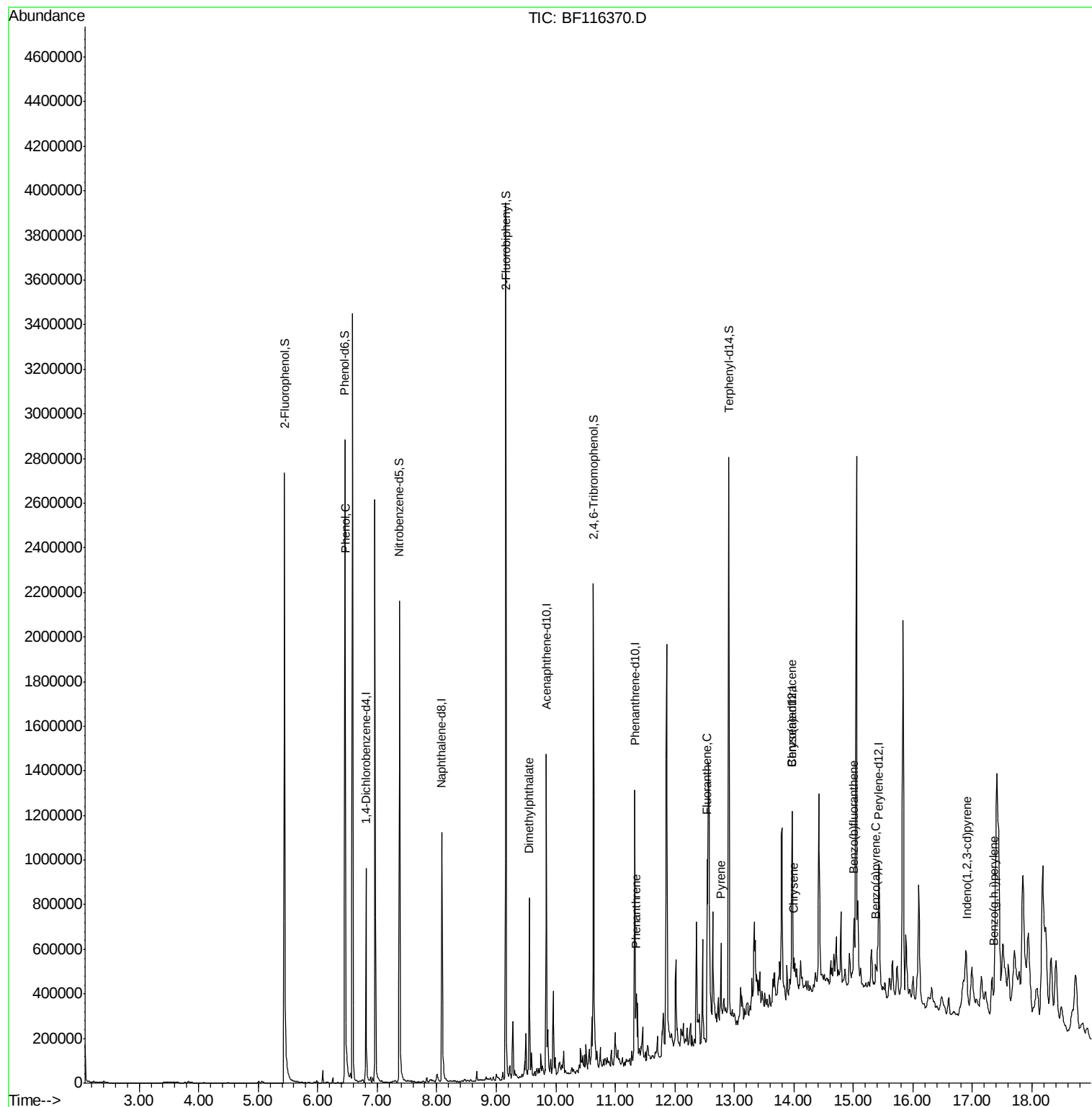
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\  
Data File : BF116370.D  
Acq On : 17 Aug 2019 21:00  
Operator : HP/JU  
Sample : K4223-23  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

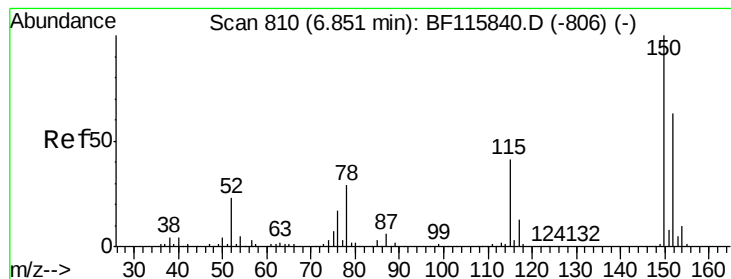
Instrument :  
BNA\_F  
ClientSampleId :  
SP-12

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Quant Time: Aug 19 07:34:44 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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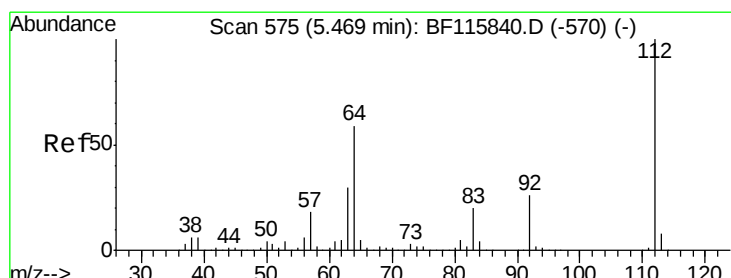
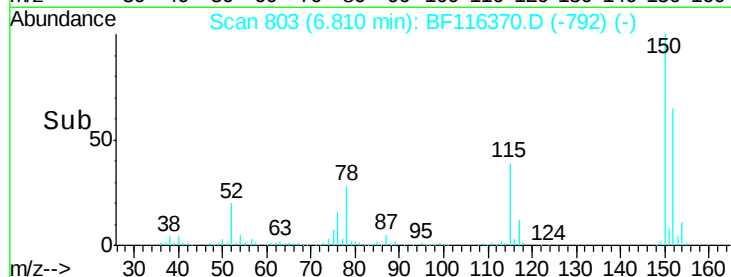
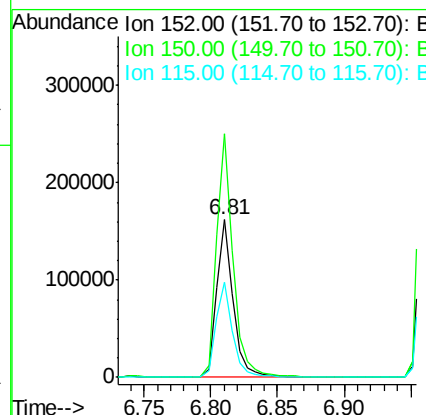
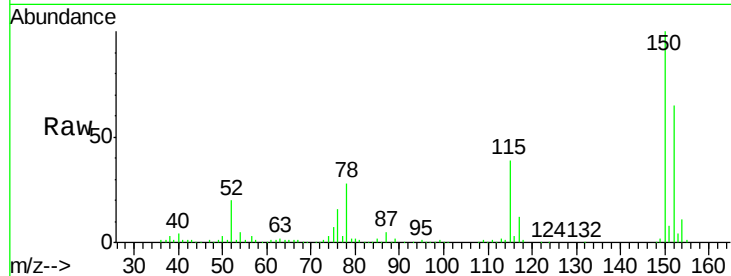
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.81 min Scan# 803  
 Delta R.T. -0.04 min  
 Lab File: BF116370.D  
 Acq: 17 Aug 2019 21:00

Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 126.2 | 189.2 |
| 115     | 60.4  | 49.9  | 74.9  |

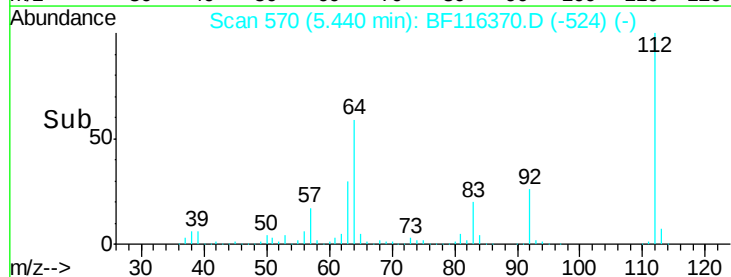
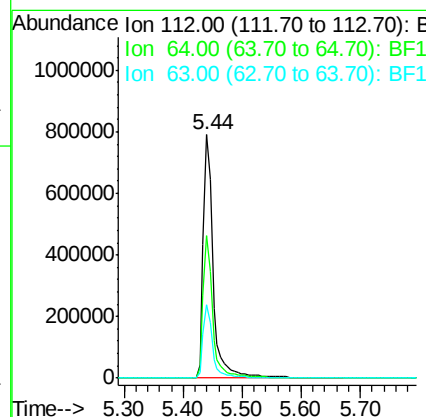
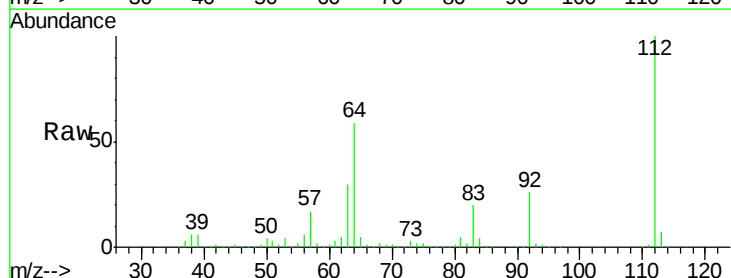
Manual Integrations  
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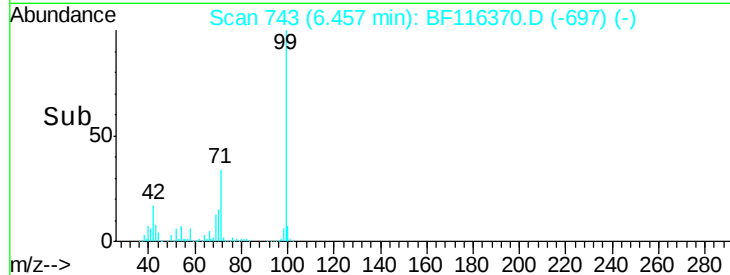
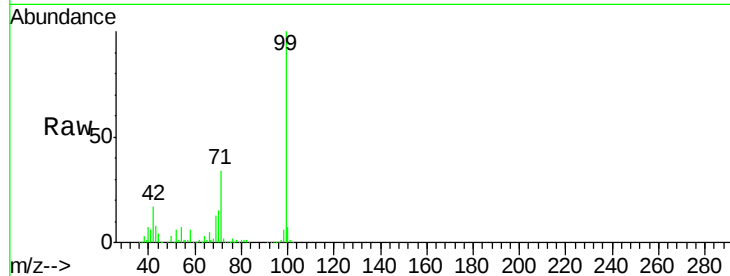
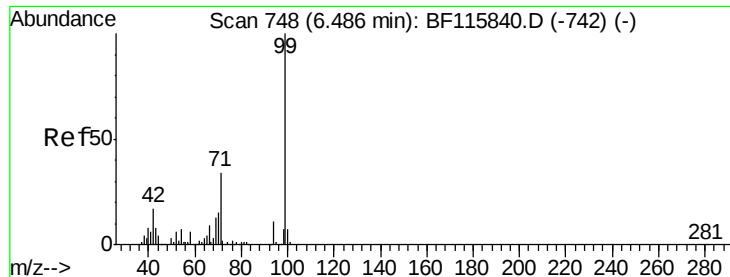
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#5  
 2-Fluorophenol  
 Concen: 109.390 ng  
 RT: 5.44 min Scan# 570  
 Delta R.T. -0.03 min  
 Lab File: BF116370.D  
 Acq: 17 Aug 2019 21:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.7  | 45.4  | 68.2  |
| 63      | 30.3  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 112.718 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1199403 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 17.1  | 13.8  | 20.8    |
| 71       | 34.3  | 27.3  | 40.9    |

Instrument :

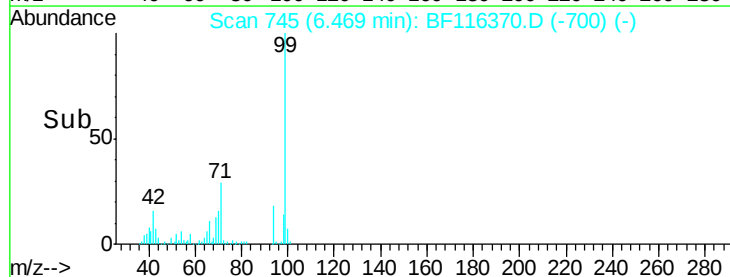
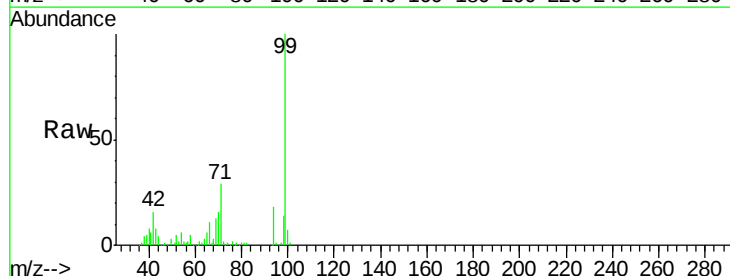
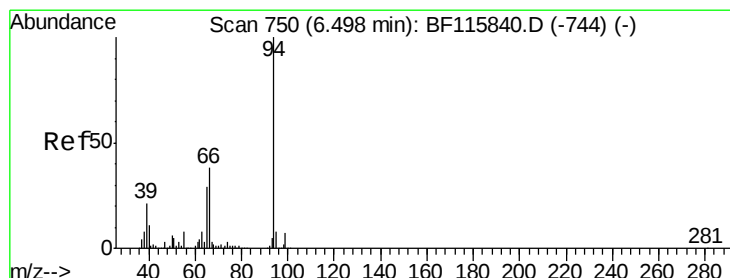
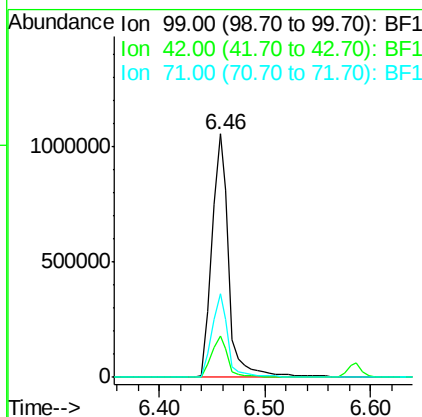
BNA\_F

ClientSampled :

SP-12

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#10

Phenol

Concen: 2.540 ng

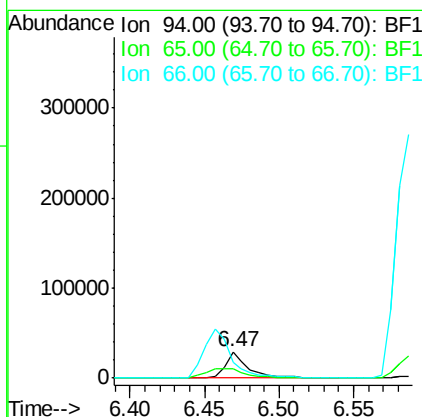
RT: 6.47 min Scan# 745

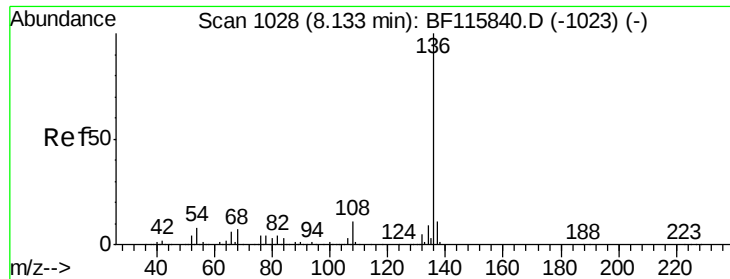
Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 31827 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 34.2  | 16.8  | 56.8  |
| 66       | 59.1  | 34.2  | 74.2  |





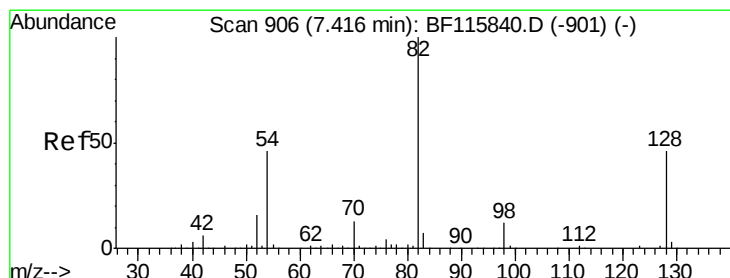
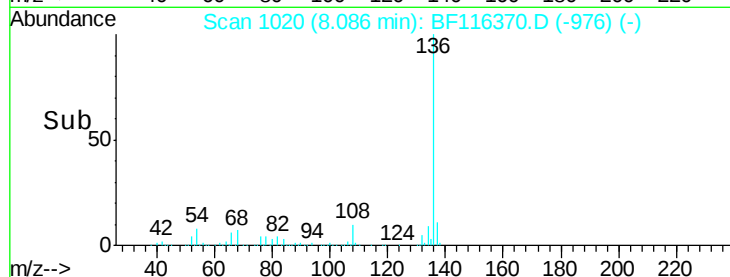
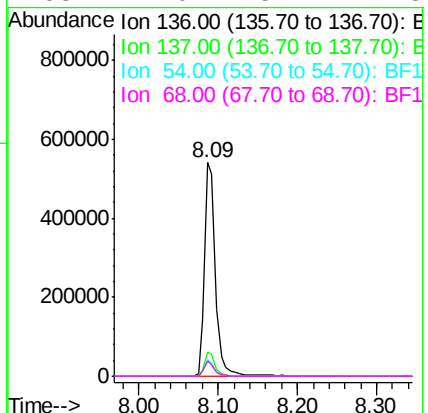
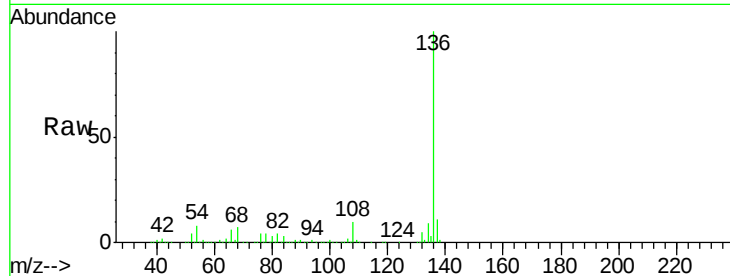
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1020  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-12

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 532020 |       |       |
| 137     | 11.5 | 9.0   | 13.4   |       |       |
| 54      | 7.7  | 5.8   | 8.6    |       |       |
| 68      | 7.0  | 5.2   | 7.8    |       |       |

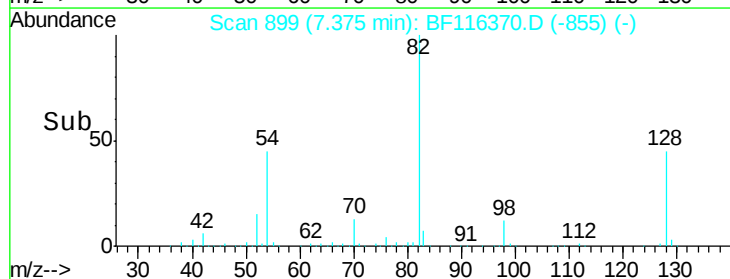
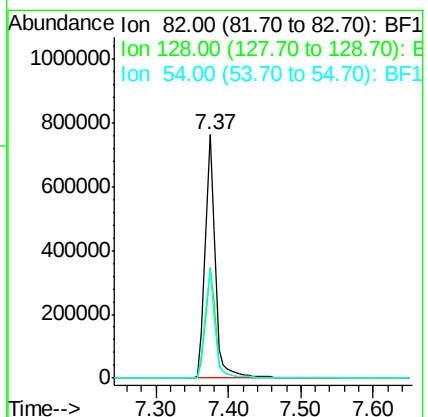
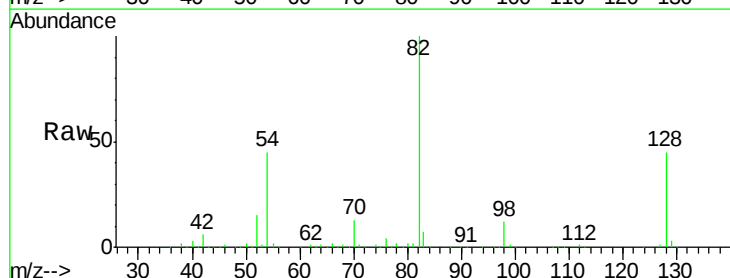
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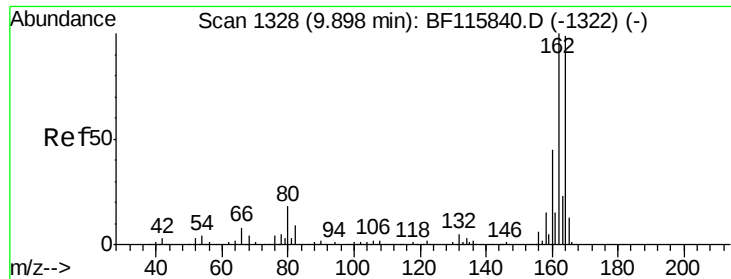
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#23  
Nitrobenzene-d5  
Concen: 82.400 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 759458 |       |       |
| 128     | 45.1 | 36.5  | 54.7   |       |       |
| 54      | 45.1 | 36.0  | 54.0   |       |       |





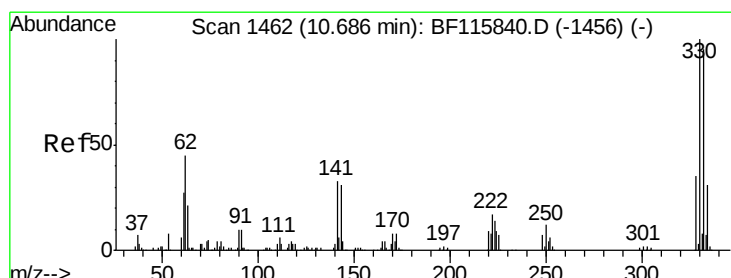
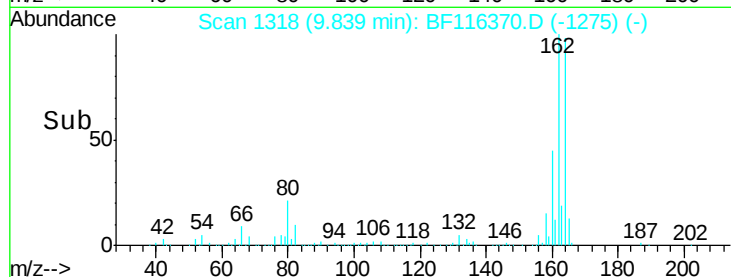
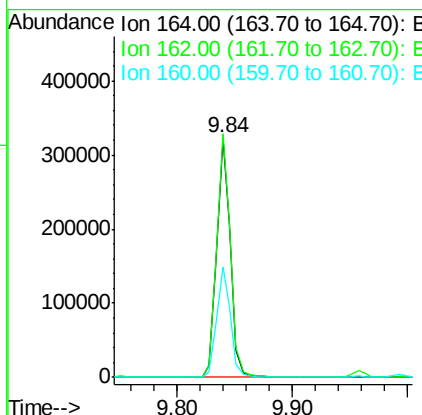
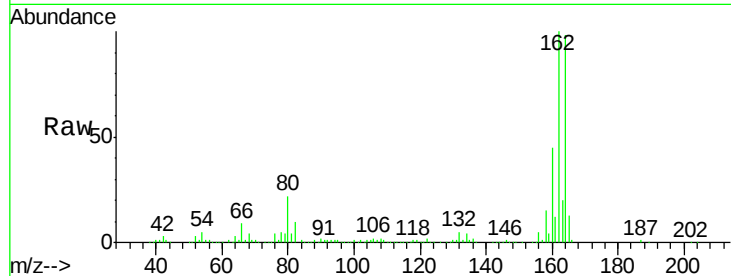
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. -0.05 min  
 Lab File: BF116370.D  
 Acq: 17 Aug 2019 21:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-12

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 262420 |       |       |
| 162     | 101.9 | 82.6   | 124.0 |       |
| 160     | 46.2  | 37.6   | 56.4  |       |

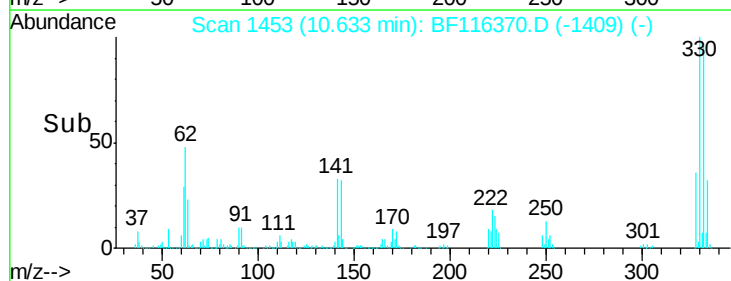
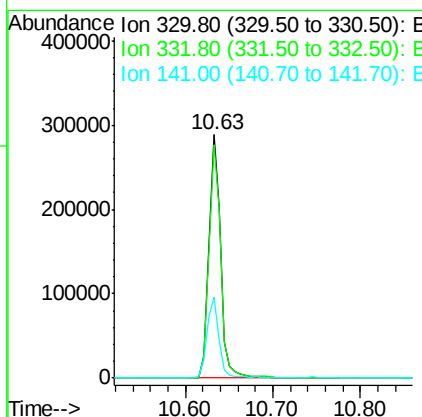
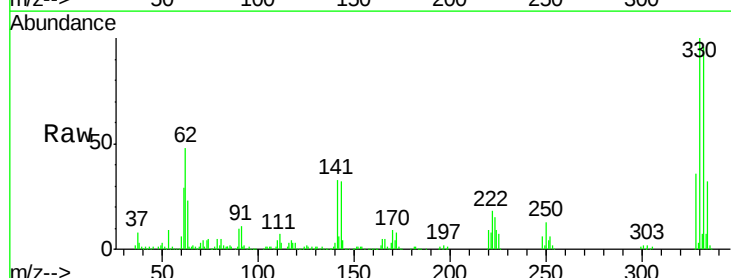
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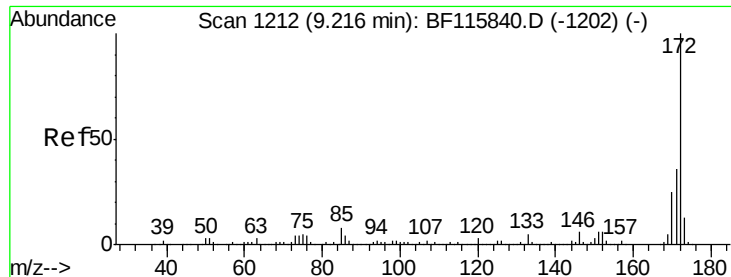
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#42  
 2,4,6-Tribromophenol  
 Concen: 106.623 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. -0.04 min  
 Lab File: BF116370.D  
 Acq: 17 Aug 2019 21:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 271275 |       |       |
| 332     | 96.4  | 76.8   | 115.2 |       |
| 141     | 33.5  | 26.3   | 39.5  |       |





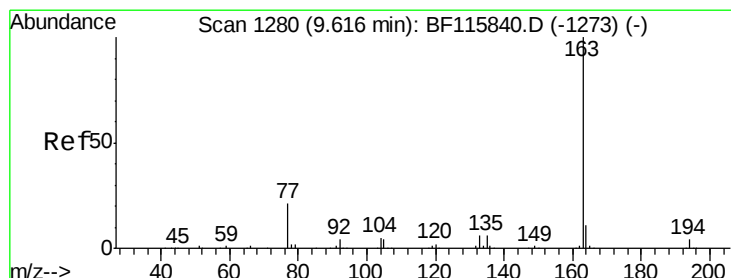
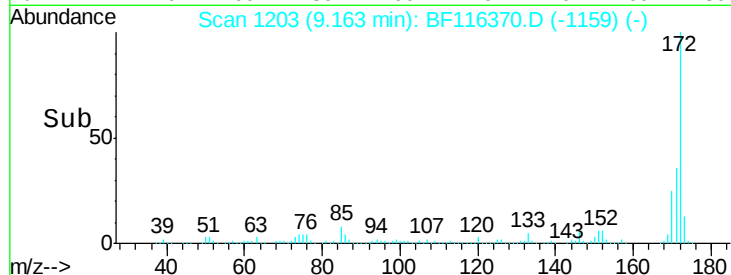
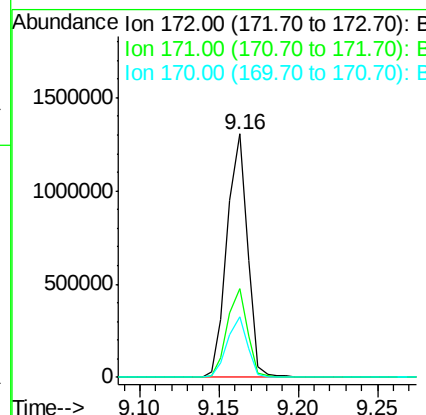
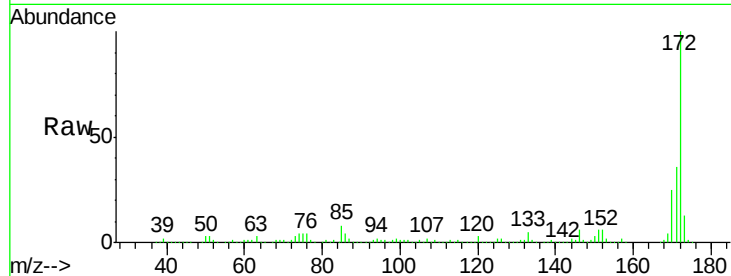
#45  
2-Fluorobiphenyl  
Concen: 84.066 ng  
RT: 9.16 min Scan# 1203  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.6  | 44.4  |
| 170     | 24.8  | 20.1  | 30.1  |

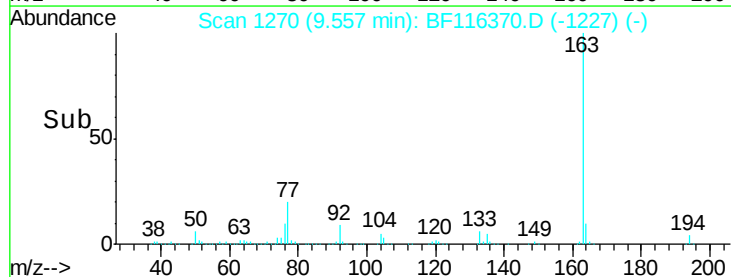
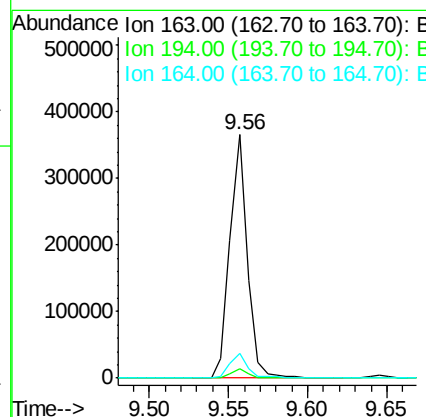
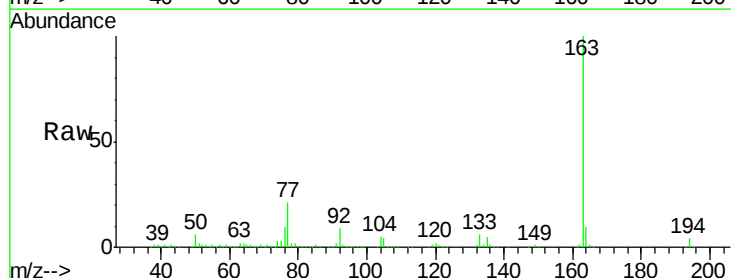
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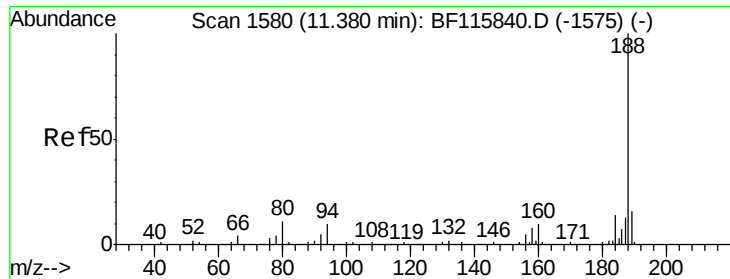
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#50  
Dimethylphthalate  
Concen: 15.659 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.05 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.0   | 4.6   |
| 164     | 10.0  | 8.4   | 12.6  |





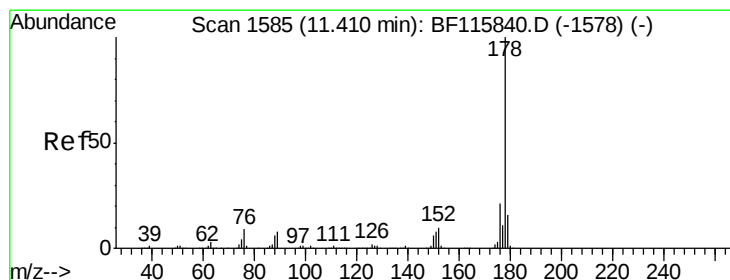
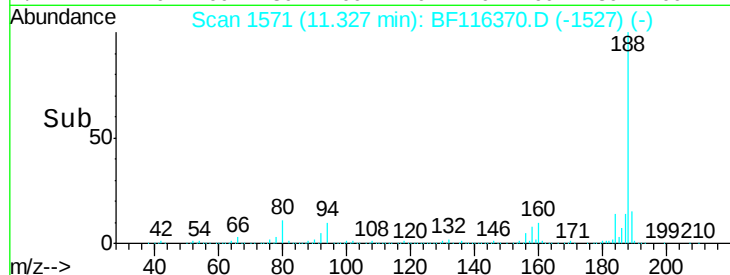
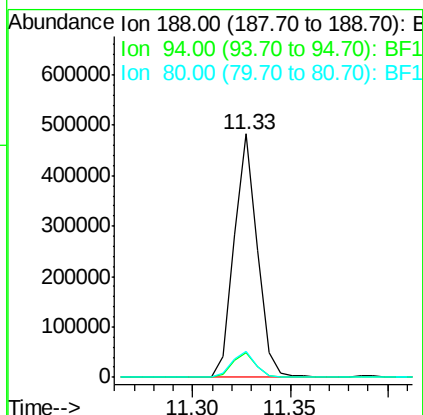
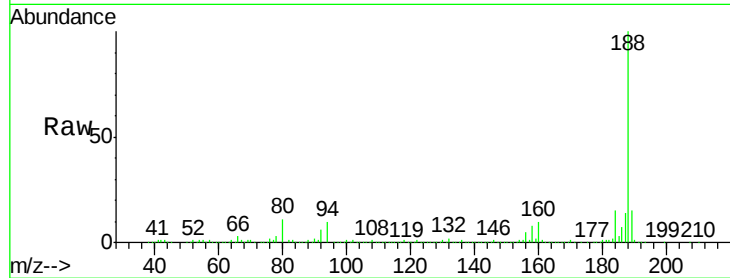
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Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-12

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 398292 |       |       |
| 94      | 10.0  |        | 8.1   | 12.1  |
| 80      | 10.7  |        | 8.7   | 13.1  |

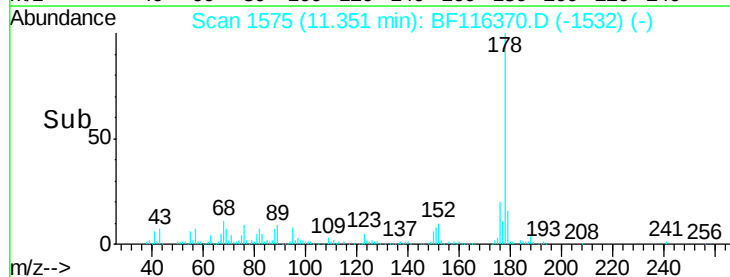
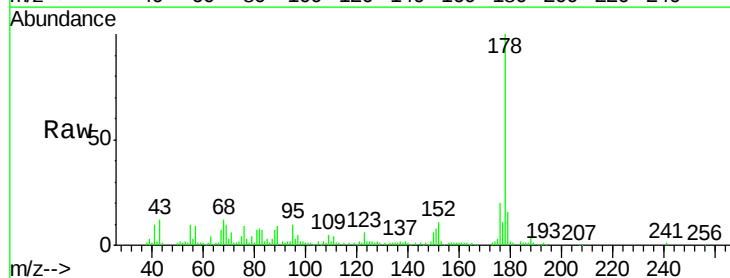
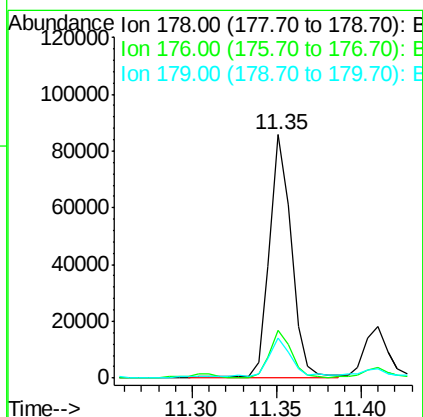
Manual Integrations  
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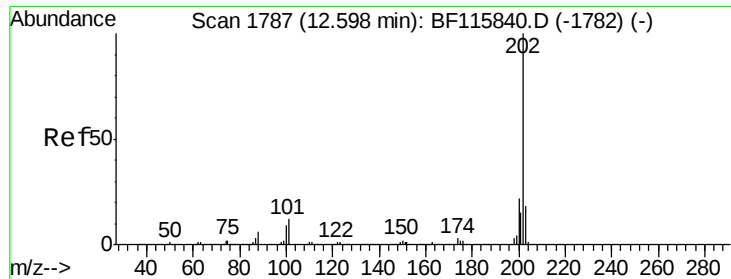
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#71  
Phenanthrene  
Concen: 3.823 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. -0.05 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 178     | 100   | 77835 |       |       |
| 176     | 19.8  |       | 16.6  | 24.8  |
| 179     | 16.2  |       | 12.5  | 18.7  |





#75

Fluoranthene

Concen: 6.041 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

Instrument :

BNA\_F

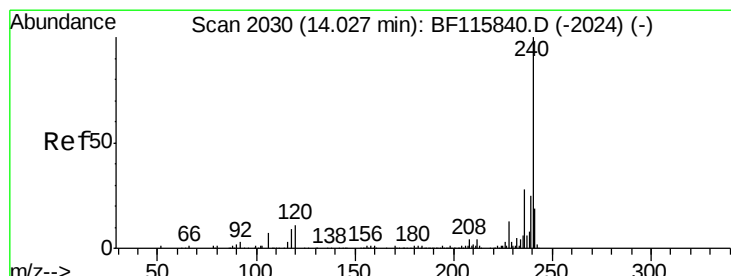
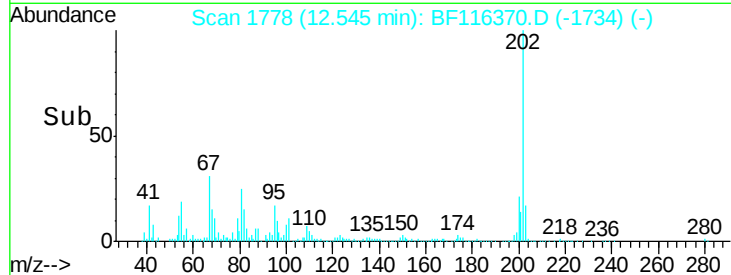
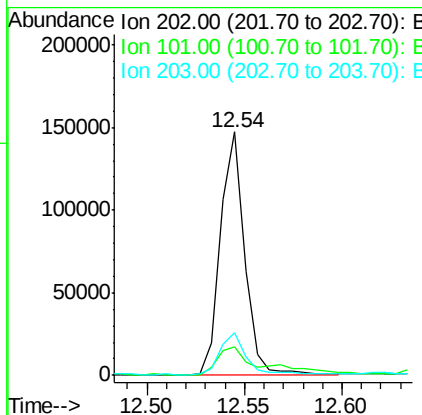
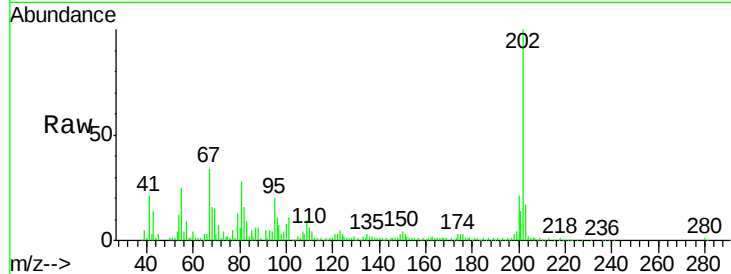
ClientSampleId :

SP-12

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 202     | 100  |       | 128778 |       |       |
| 101     | 11.5 | 0.0   | 31.2   |       |       |
| 203     | 17.5 | 0.0   | 37.8   |       |       |

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#76

Chrysene-d12

Concen: 20.000 ng

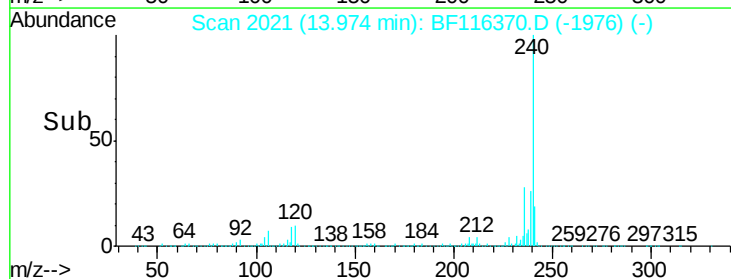
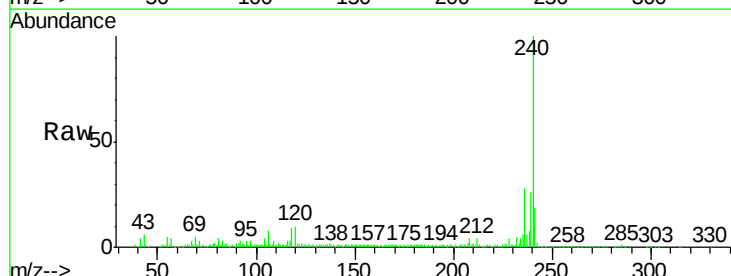
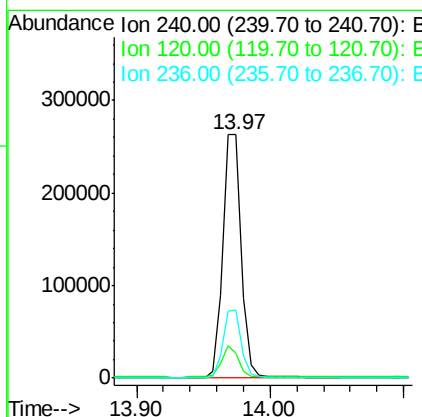
RT: 13.97 min Scan# 2021

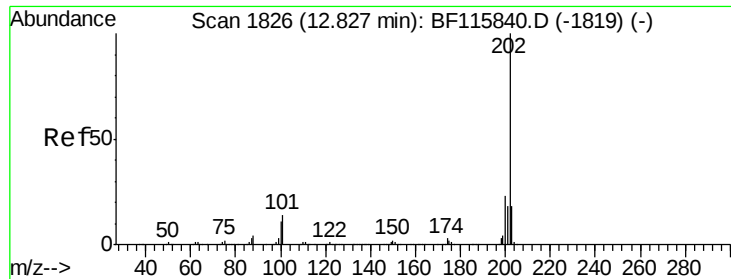
Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 240     | 100  |       | 257804 |       |       |
| 120     | 10.2 | 10.7  | 16.1#  |       |       |
| 236     | 27.8 | 22.2  | 33.2   |       |       |





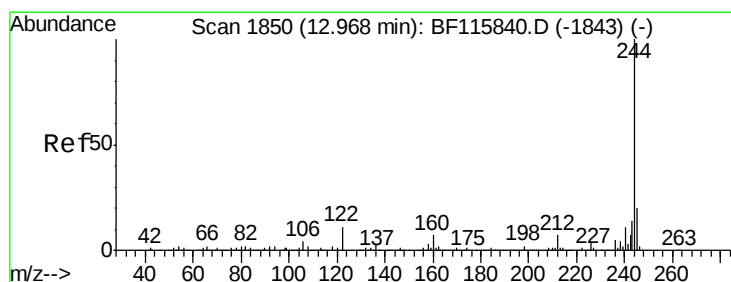
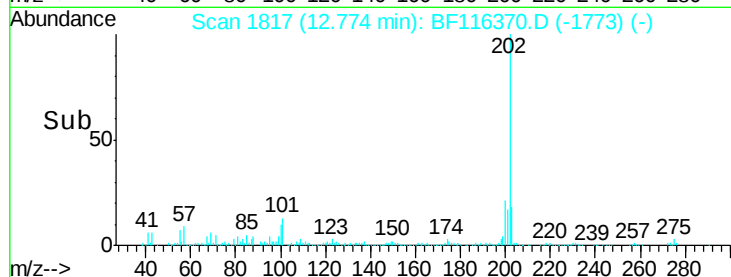
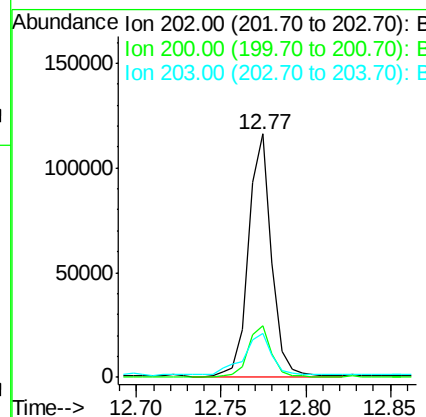
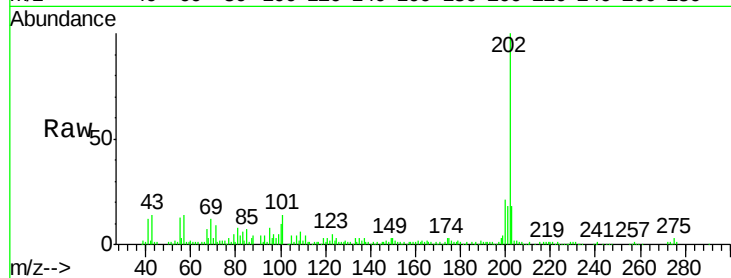
#78  
Pvrene  
Concen: 5.638 ng  
RT: 12.77 min Scan# 1817  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-12

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.2  | 18.0       | 27.0  |
| 203     | 18.0  | 14.1       | 21.1  |

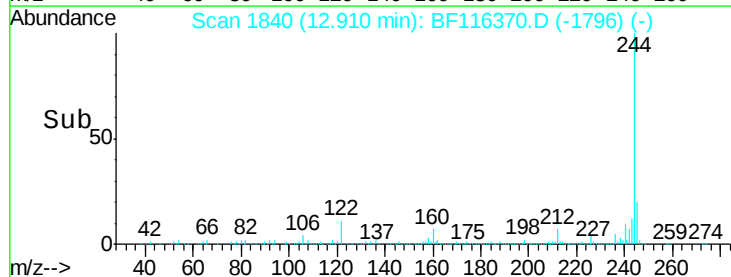
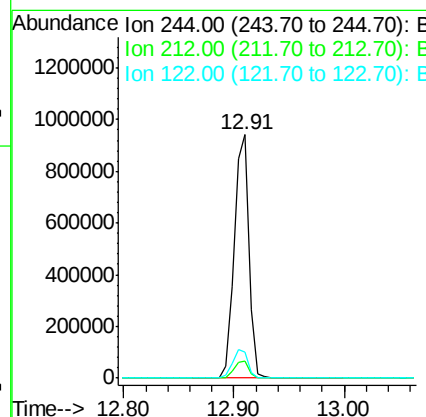
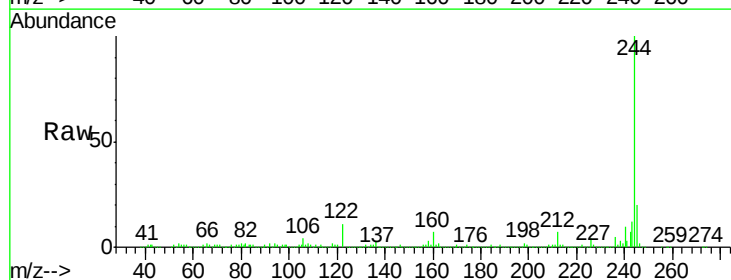
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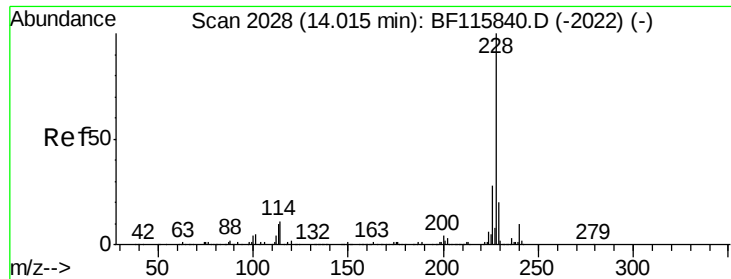
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#79  
Terphenyl-d14  
Concen: 71.988 ng  
RT: 12.91 min Scan# 1840  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.9   | 5.8        | 8.8   |
| 122     | 10.9  | 9.0        | 13.4  |





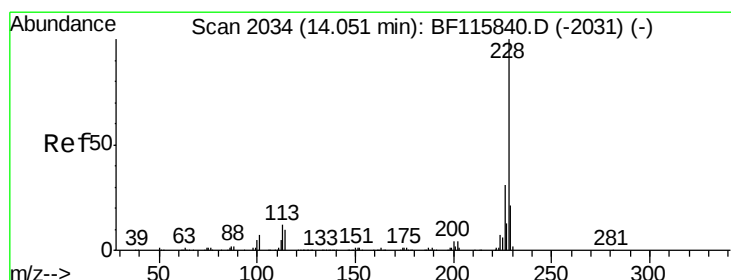
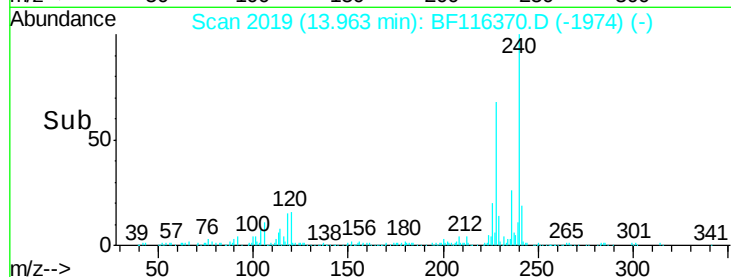
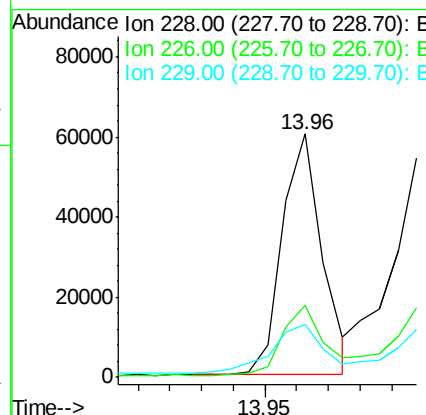
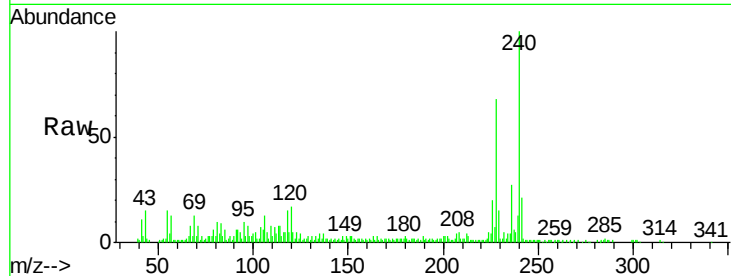
#81  
Benzo(a)anthracene  
Concen: 3.204 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 22.7  | 34.1  |
| 229     | 21.7  | 16.2  | 24.4  |

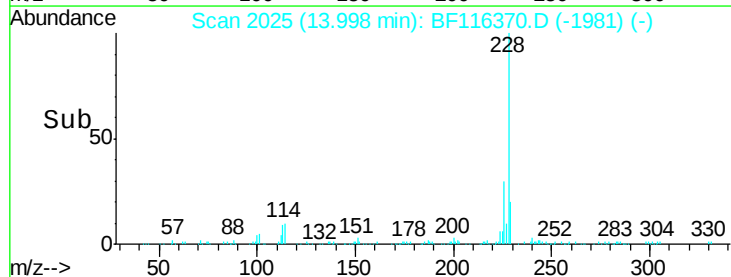
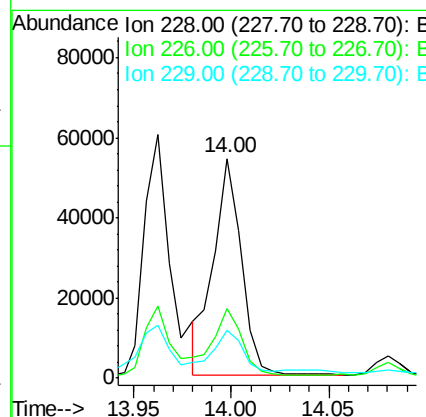
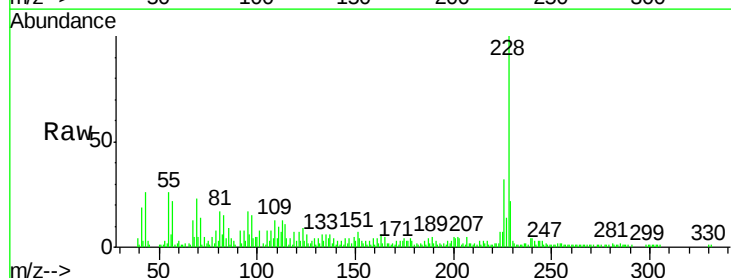
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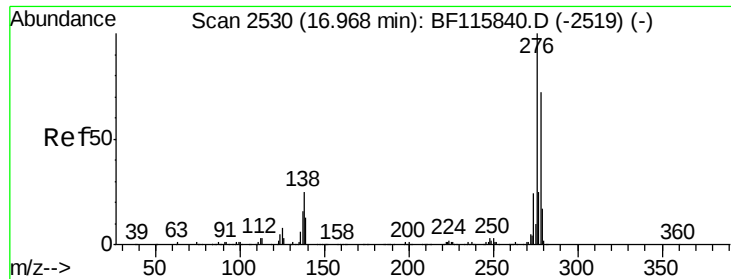
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#83  
Chrysene  
Concen: 3.356 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.7  | 25.5  | 38.3  |
| 229     | 22.0  | 16.6  | 24.8  |





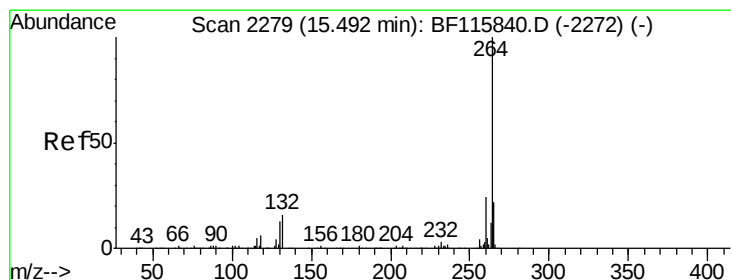
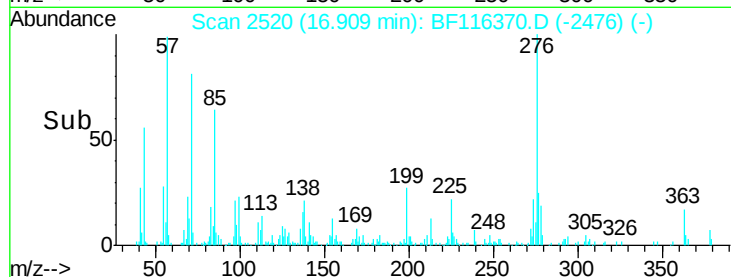
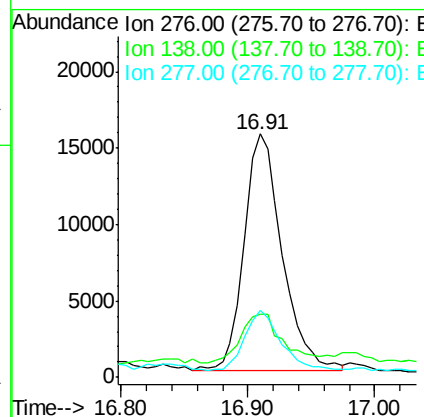
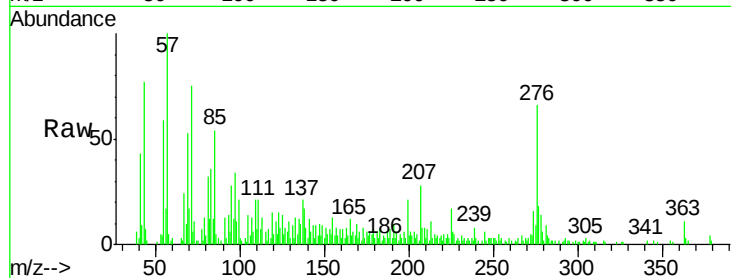
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.400 ng  
 RT: 16.91 min Scan# 2520  
 Delta R.T. -0.04 min  
 Lab File: BF116370.D  
 Acq: 17 Aug 2019 21:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.9  | 20.4  | 30.6  |
| 277     | 24.2  | 20.0  | 30.0  |

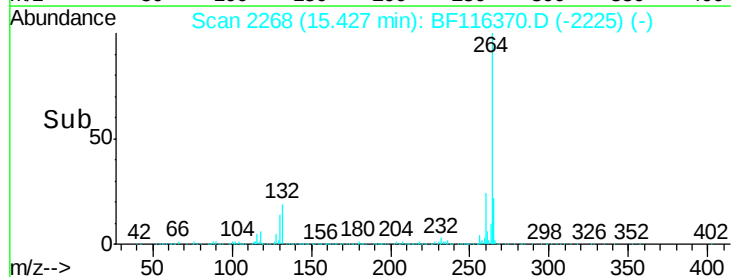
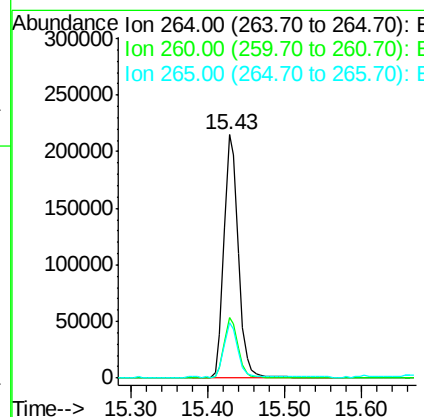
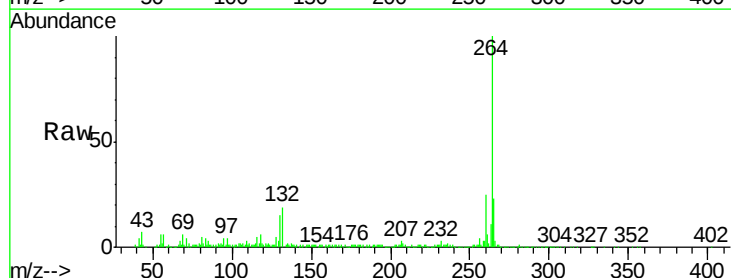
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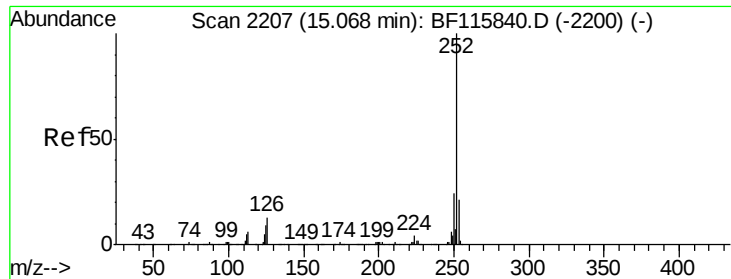
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 8/19/2019 3:31:18 PM



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2268  
 Delta R.T. -0.05 min  
 Lab File: BF116370.D  
 Acq: 17 Aug 2019 21:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.7  | 29.5  |
| 265     | 22.6  | 17.4  | 26.0  |





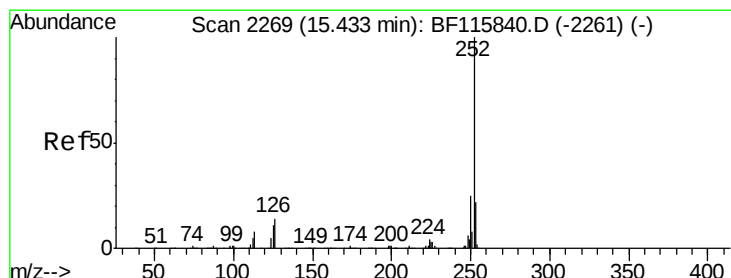
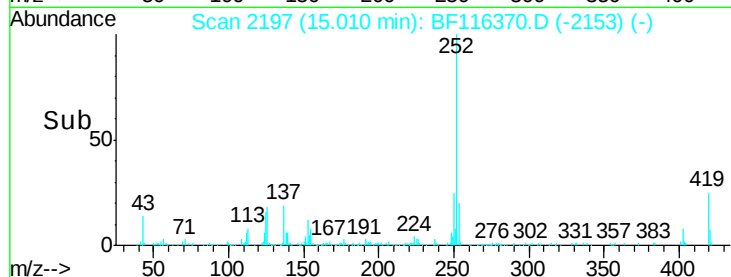
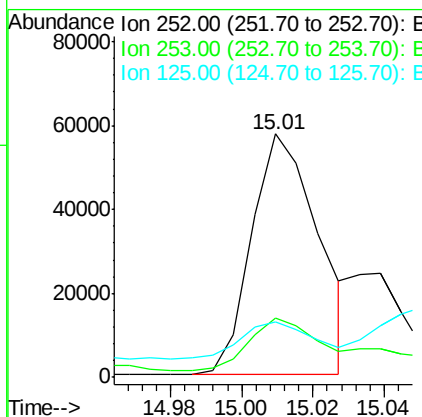
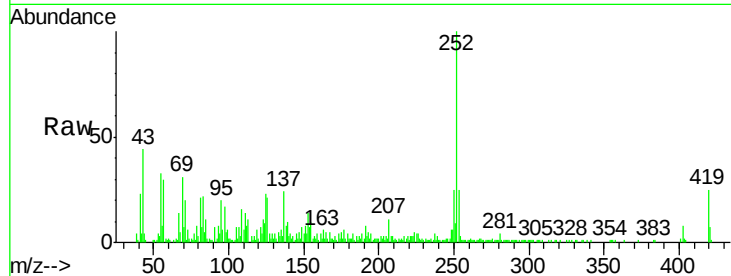
#88  
Benzo(b)fluoranthene  
Concen: 4.719 ng/mL  
RT: 15.01 min Scan# 2197  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

Instrument :  
BNA\_F  
ClientSampled :  
SP-12

|             |       |       |
|-------------|-------|-------|
| Tot Ion:252 | Resp: | 74932 |
| Ion Ratio   | Lower | Upper |
| 252 100     |       |       |
| 253 24.6    | 17.8  | 26.8  |
| 125 22.9    | 8.4   | 12.6  |

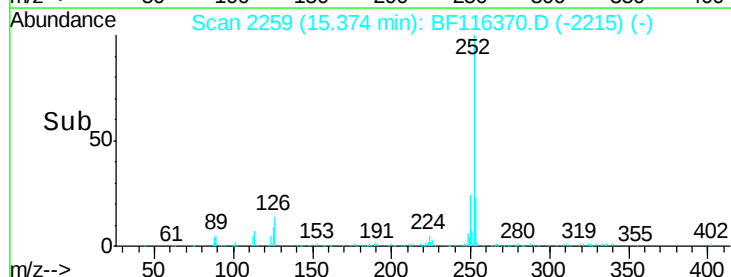
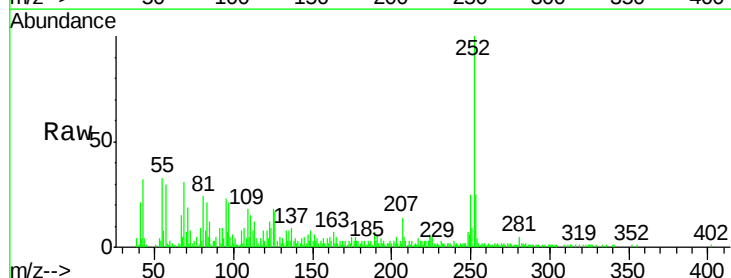
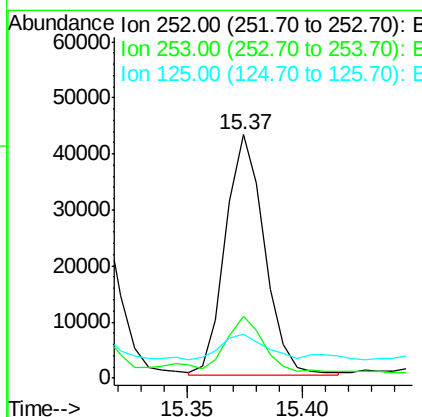
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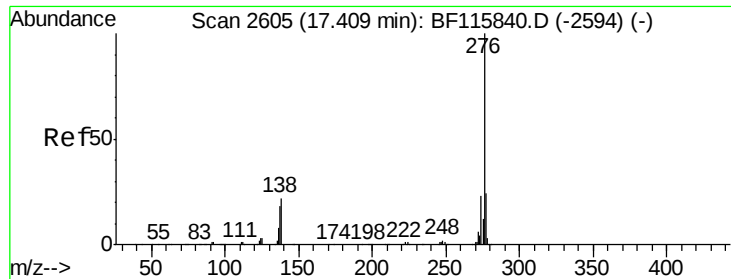
Jagrut  
8/19/2019 3:31:18 PM



#90  
Benzo(a)pyrene  
Concen: 3.535 ng/mL  
RT: 15.37 min Scan# 2259  
Delta R.T. -0.04 min  
Lab File: BF116370.D  
Acq: 17 Aug 2019 21:00

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:252 | Resp: | 50176 |
| Ion Ratio   | Lower | Upper |
| 252 100     |       |       |
| 253 25.5    | 18.0  | 27.0  |
| 125 18.1    | 8.9   | 13.3  |





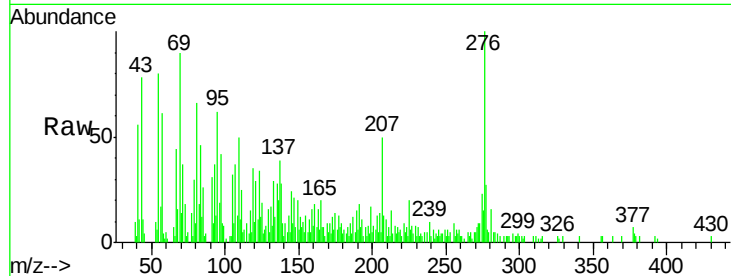
#92  
 Benzo(a,h,i)perylene  
 Concen: 3.026 ng  
 RT: 17.36 min Scan# 2596  
 Delta R.T. -0.03 min  
 Lab File: BF116370.D  
 Acq: 17 Aug 2019 21:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.8  | 18.4  | 27.6  |
| 138     | 27.9  | 17.0  | 25.6  |

Manual Integrations  
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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

