

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF012919\  
 Data File : BF112300.D  
 Acq On : 29 Jan 2019 17:33  
 Operator : JU/SJ  
 Sample : K1266-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

Quant Time: Jan 30 00:09:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

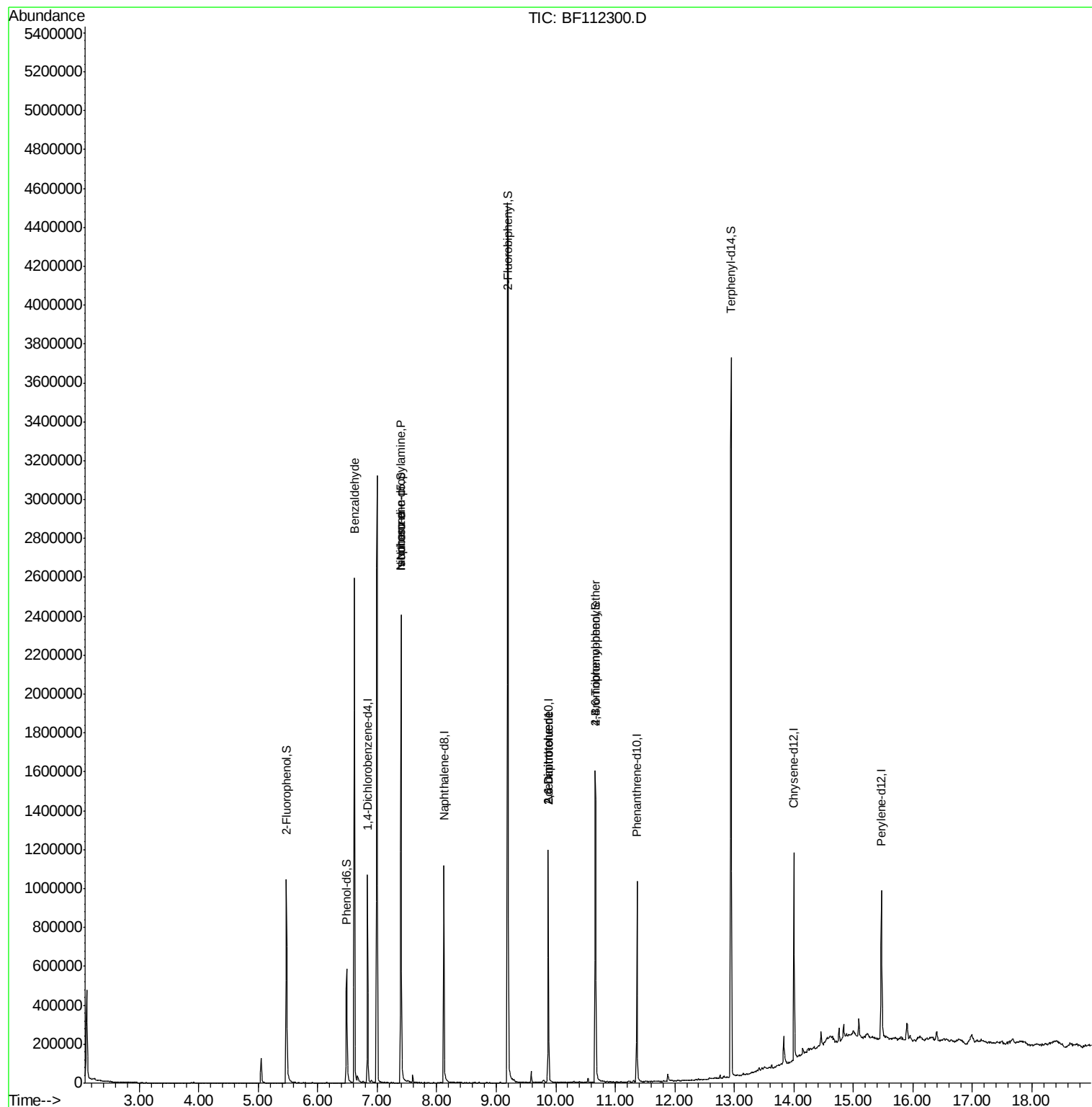
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.84  | 152  | 153625   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 544022   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.87  | 164  | 238886   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.36 | 188  | 403793   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.00 | 240  | 359776   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.47 | 264  | 325329   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 317731   | 43.93  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 230448   | 22.93  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 873099   | 92.47  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 227672   | 81.88  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 1592252  | 94.27  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.95 | 244  | 1239268  | 64.88  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.62  | 77   | 14530    | 2.766  | ng    | # 76     |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 118515   | 17.102 | ng    | # 75     |
| 25) Isophorone                 | 7.40  | 82   | 869241   | 58.686 | ng    | # 63     |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 30183    | 7.261  | ng    | # 34     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 30184    | 5.704  | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether  | 10.66 | 248  | 14018    | 2.952  | ng    | # 1      |

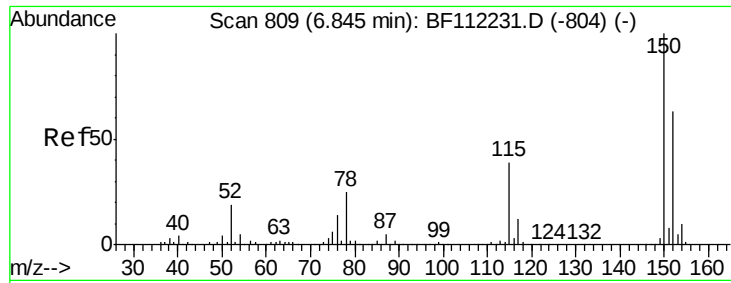
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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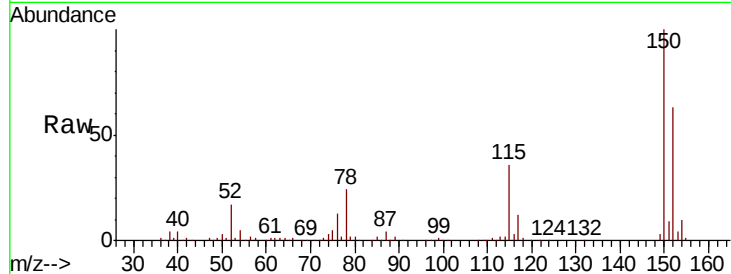


#1

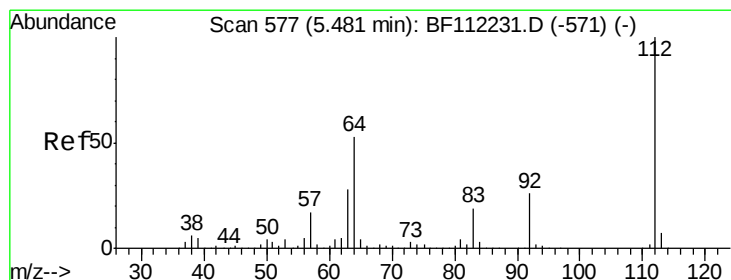
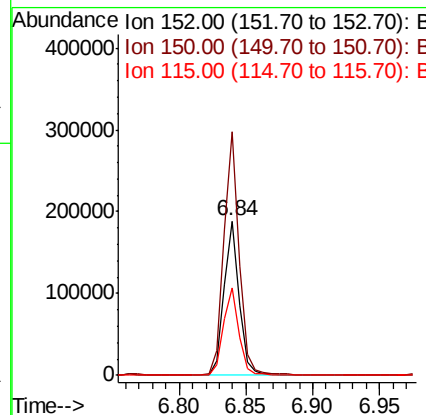
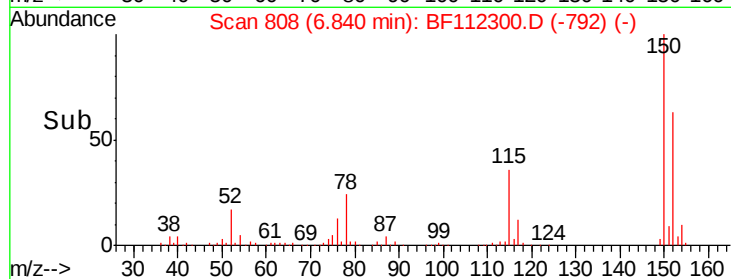
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.84 min Scan# 808  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 127.4 | 191.0 |
| 115     | 56.4  | 45.5  | 68.3  |



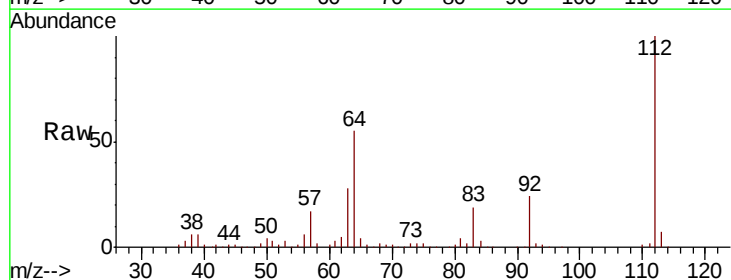
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



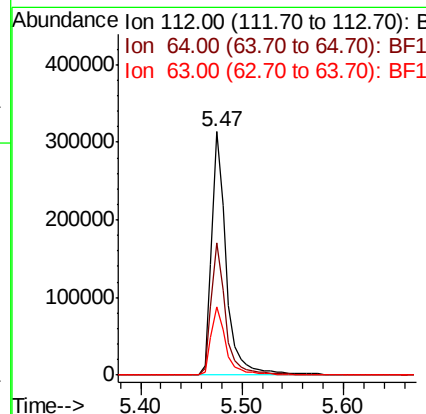
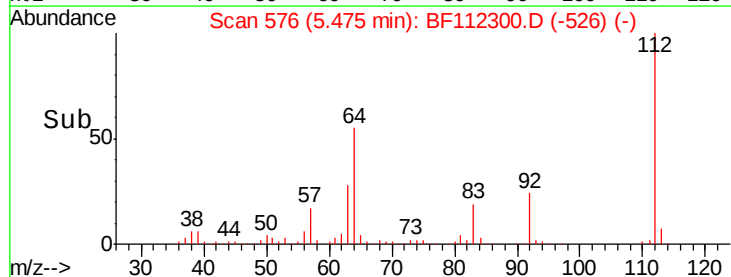
#5

2-Fluorophenol  
 Concen: 43.930 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.6  | 45.7  | 68.5  |
| 63      | 28.1  | 23.6  | 35.4  |



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: 22.930 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112300.D

Acq: 29 Jan 2019 17:33

Instrument :

BNA\_F

ClientSampleId :

012519-SIDI-E-U-S

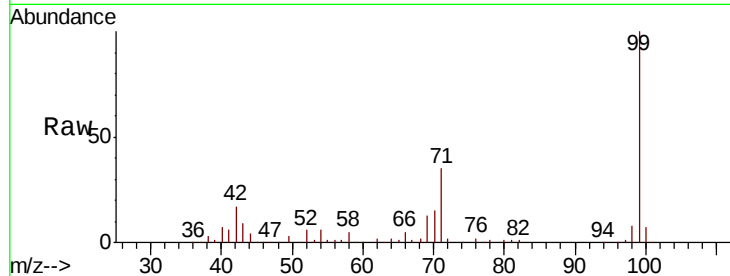
Tgt Ion: 99 Resp: 230448

Ion Ratio Lower Upper

99 100

42 17.1 15.1 22.7

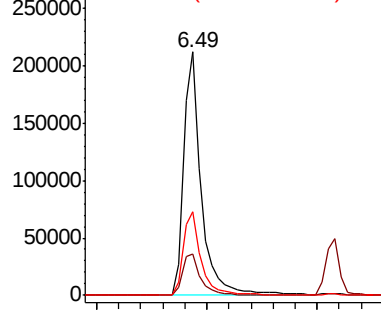
71 34.5 26.9 40.3



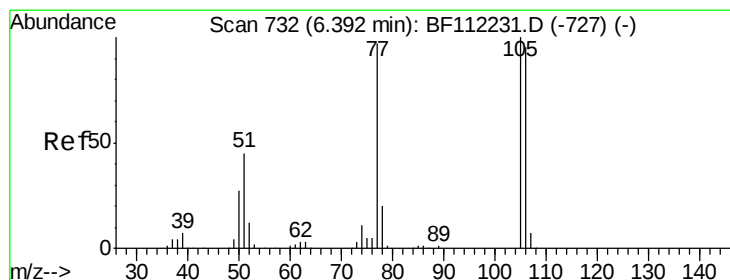
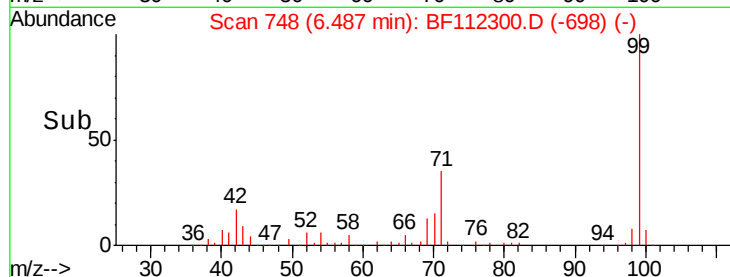
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time--> 6.40 6.50 6.60



#9

Benzaldehyde

Concen: 2.766 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF112300.D

Acq: 29 Jan 2019 17:33

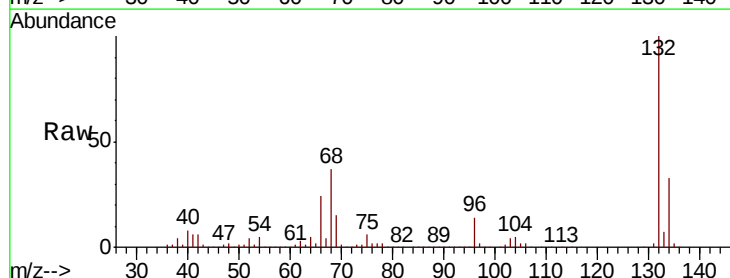
Tgt Ion: 77 Resp: 14530

Ion Ratio Lower Upper

77 100

105 79.4 80.8 120.8#

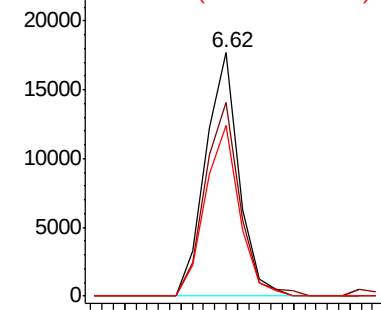
106 69.9 75.7 115.7#



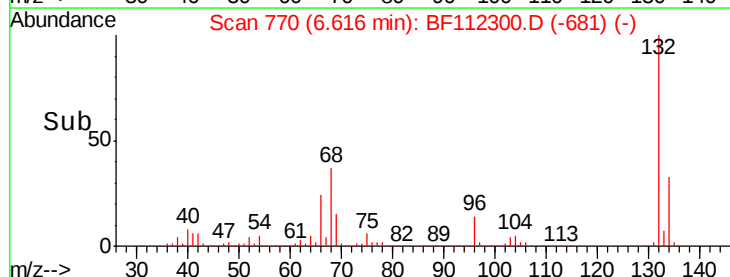
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time--> 6.58 6.60 6.62 6.64 6.66

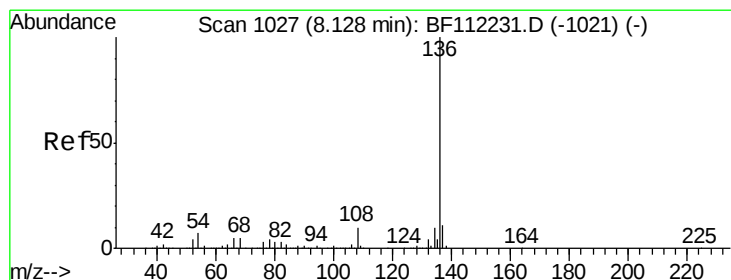
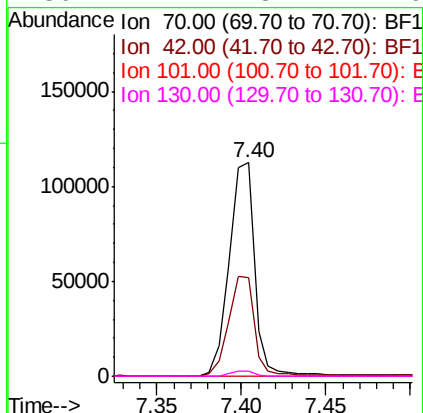
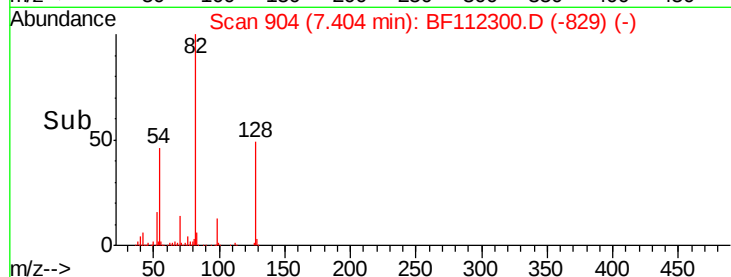
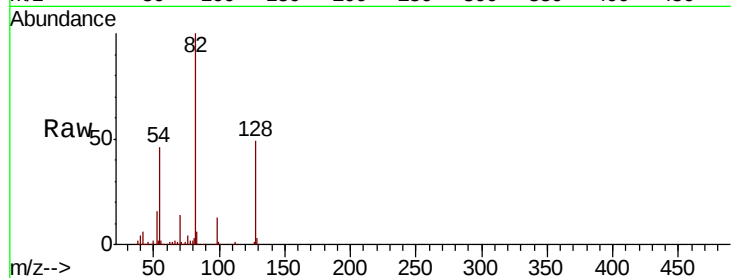




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.102 ng  
RT: 7.40 min Scan# 904  
Delta R.T. 0.14 min  
Lab File: BF112300.D  
Acq: 29 Jan 2019 17:33

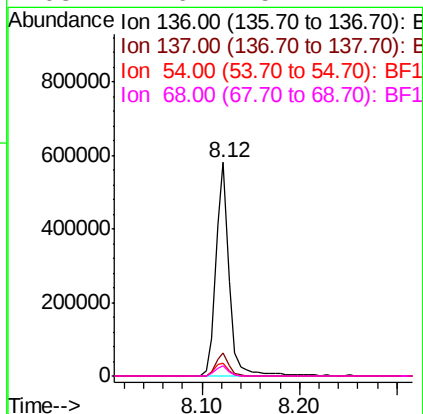
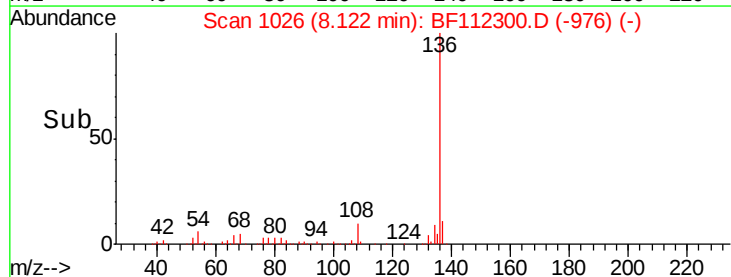
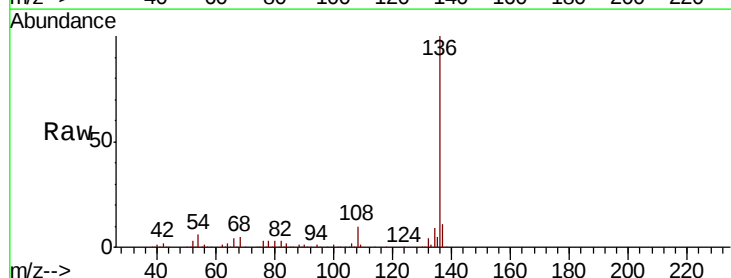
Instrument :  
BNA\_F  
ClientSampleId :  
012519-SIDI-E-U-S

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 118515 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 46.2  | 47.6  | 71.4#  |
| 101      | 0.0   | 7.9   | 11.9#  |
| 130      | 2.2   | 18.4  | 27.6#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF112300.D  
Acq: 29 Jan 2019 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 544022 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.1   | 13.7   |
| 54       | 6.0   | 5.9   | 8.9    |
| 68       | 4.6   | 5.1   | 7.7#   |

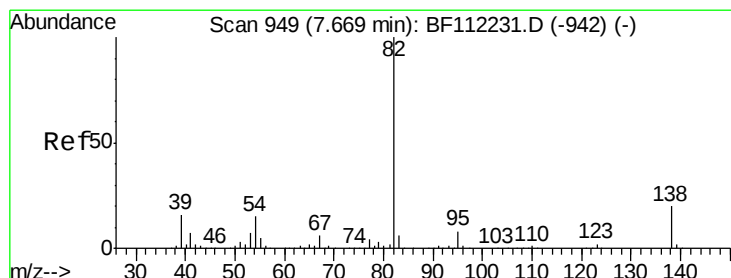
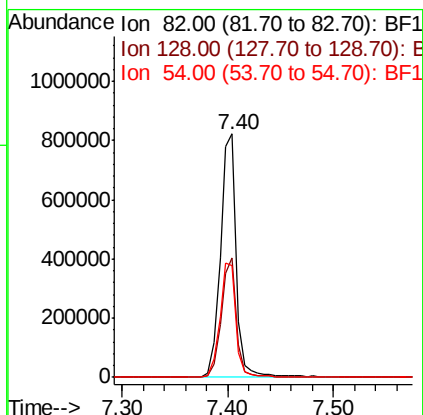
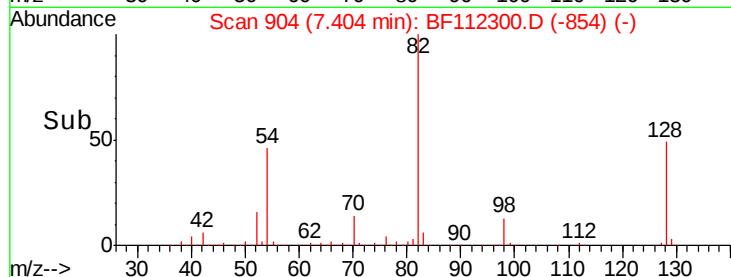
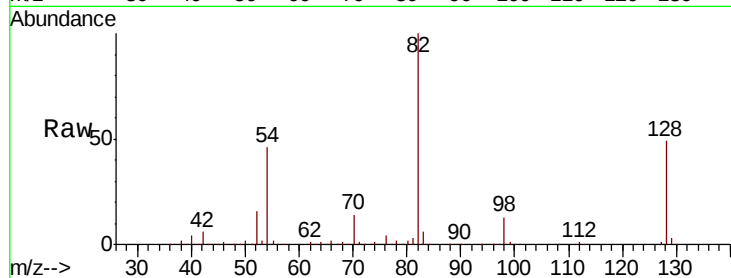




#23  
 Nitrobenzene-d5  
 Concen: 92.474 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

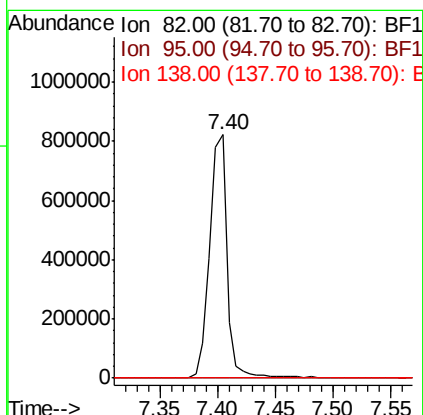
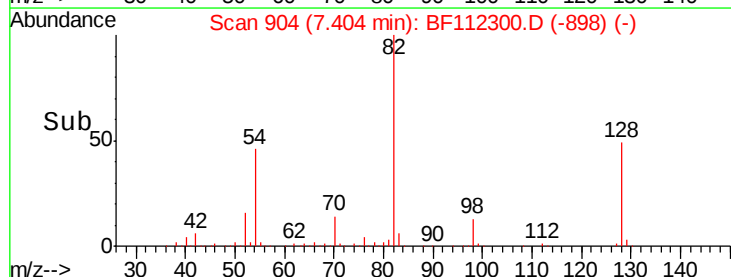
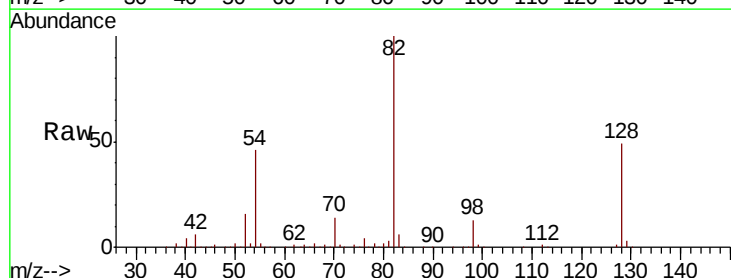
Instrument :  
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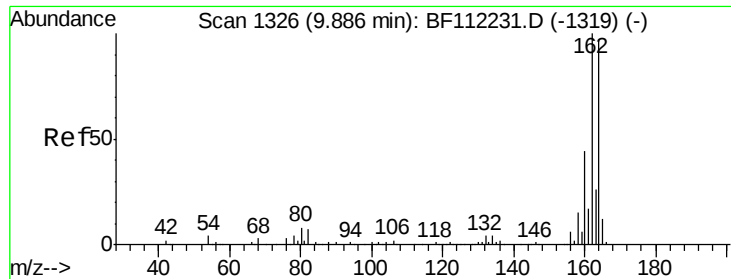
Tgt Ion: 82 Resp: 873099  
 Ion Ratio Lower Upper  
 82 100  
 128 48.9 37.8 56.8  
 54 46.1 39.7 59.5



#25  
 Isophorone  
 Concen: 58.686 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.26 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Tgt Ion: 82 Resp: 869241  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.7 8.5#  
 138 0.0 15.4 23.0#

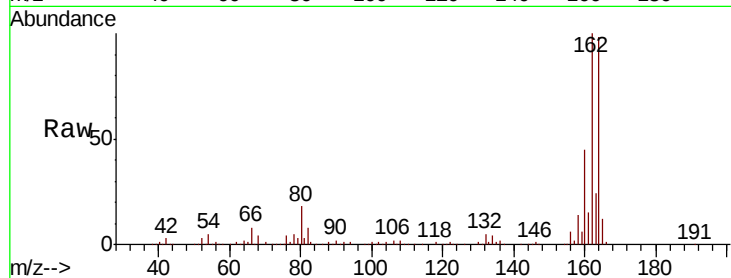




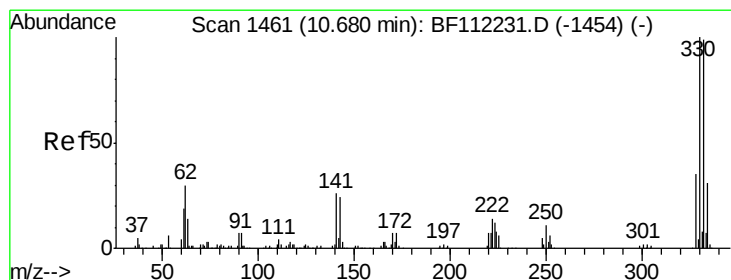
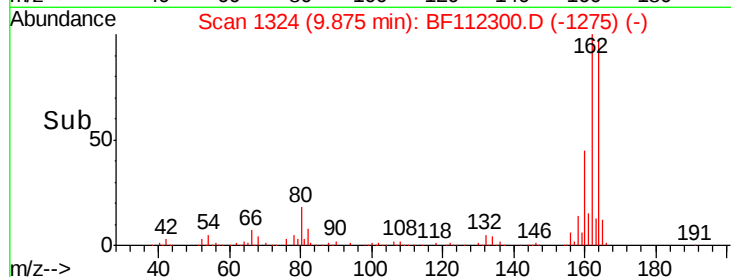
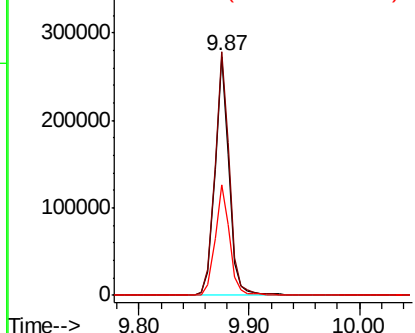
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.9 | 82.2  | 123.4 |
| 160     | 46.0  | 36.2  | 54.4  |

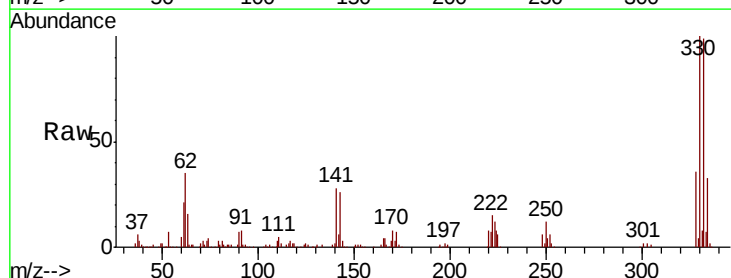


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

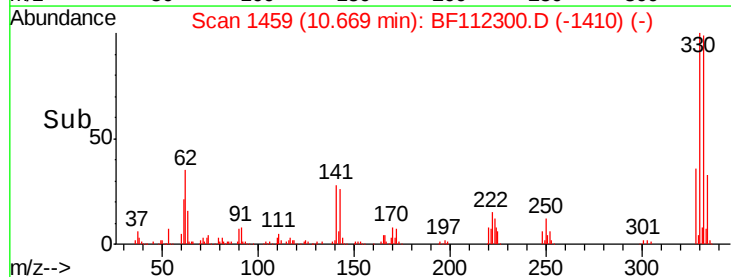
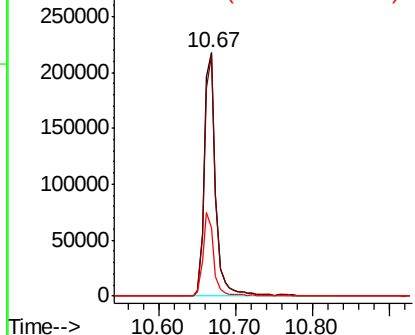


#42  
 2,4,6-Tribromophenol  
 Concen: 81.880 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 76.6  | 114.8 |
| 141     | 32.4  | 24.3  | 36.5  |



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

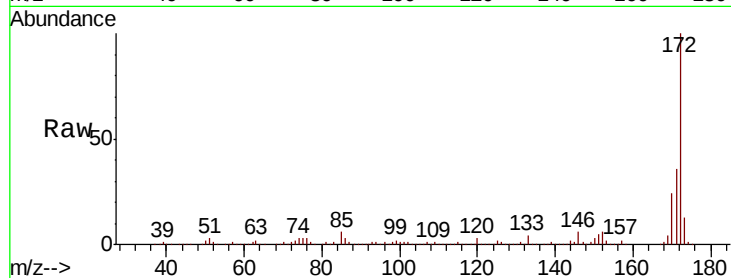




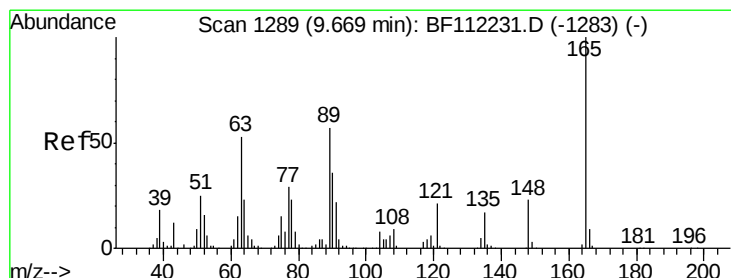
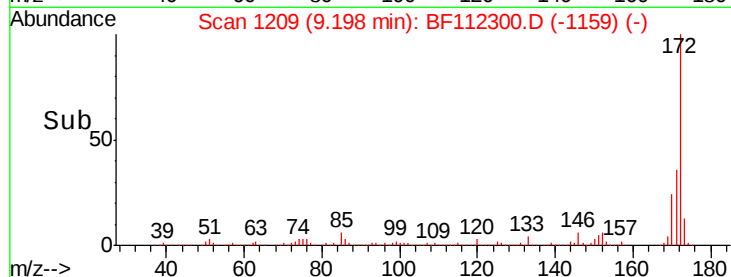
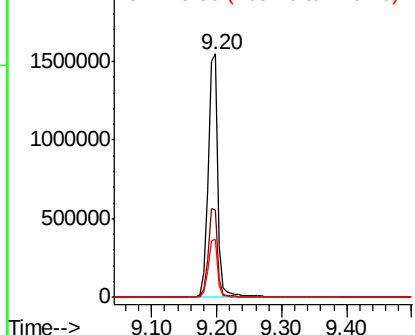
#45  
 2-Fluorobiphenyl  
 Concen: 94.270 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

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Tgt Ion:172 Resp: 1592252  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 30.5 45.7  
 170 23.7 20.2 30.4

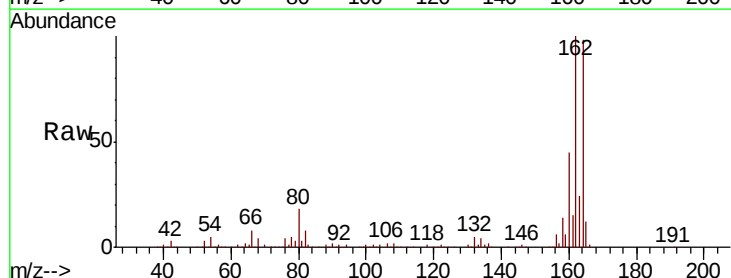


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

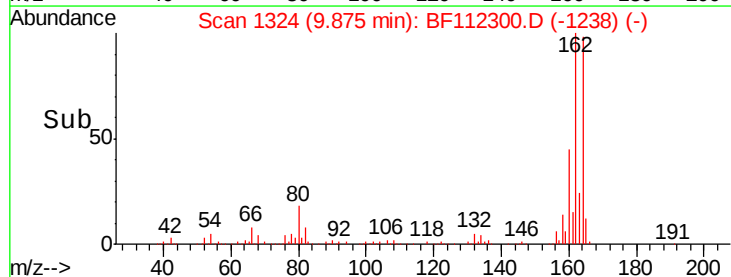
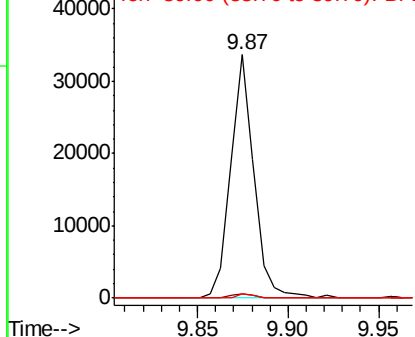


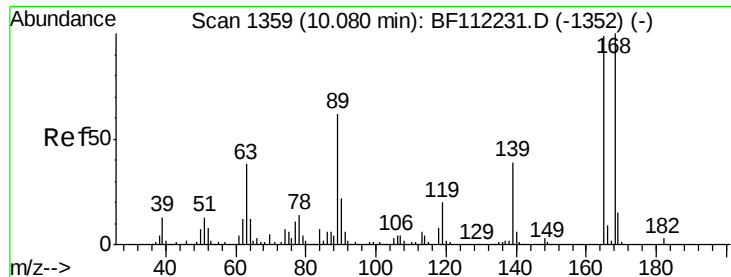
#51  
 2,6-Dinitrotoluene  
 Concen: 7.261 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. 0.21 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Tgt Ion:165 Resp: 30183  
 Ion Ratio Lower Upper  
 165 100  
 63 1.8 33.8 50.8#  
 89 1.6 36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

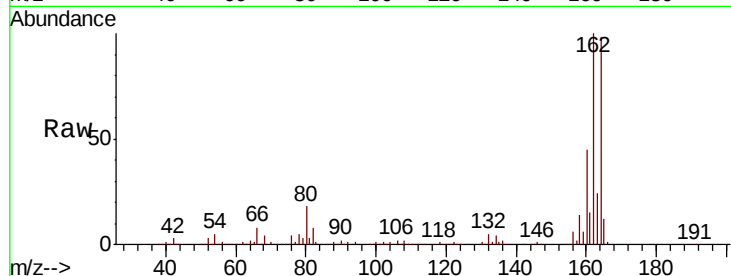




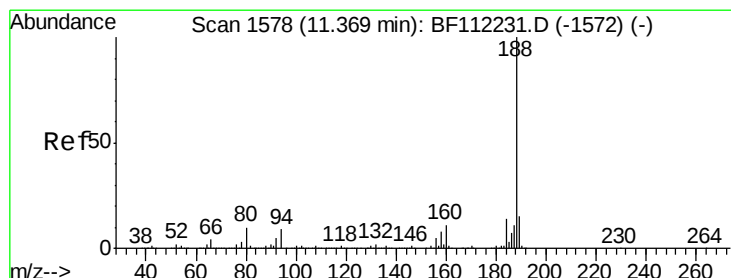
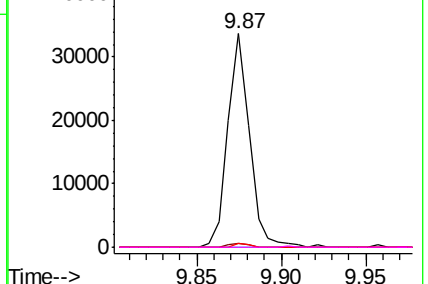
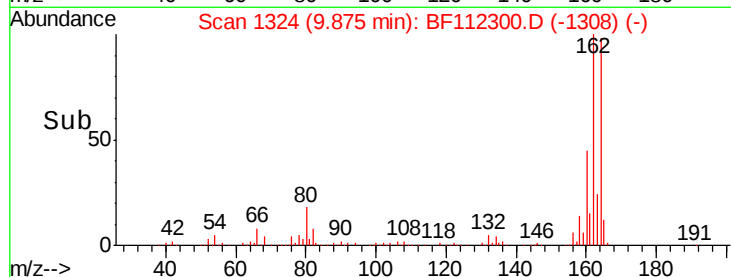
#57  
 2,4-Dinitrotoluene  
 Concen: 5.704 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.21 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

Tgt Ion:165 Resp: 30184  
 Ion Ratio Lower Upper  
 165 100  
 63 1.8 27.9 41.9#  
 89 1.6 47.9 71.9#  
 182 0.0 2.2 3.4#

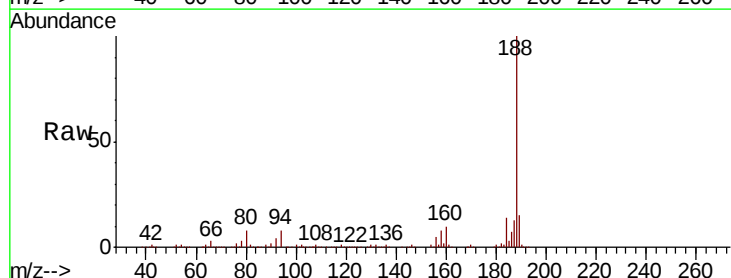


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

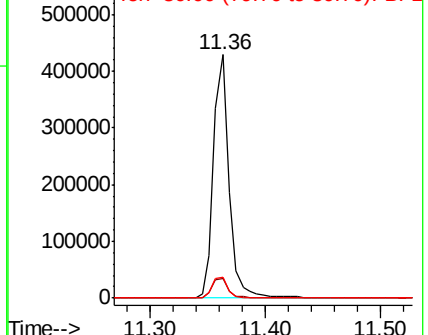
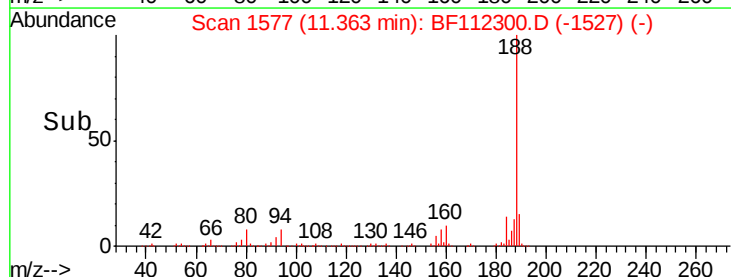


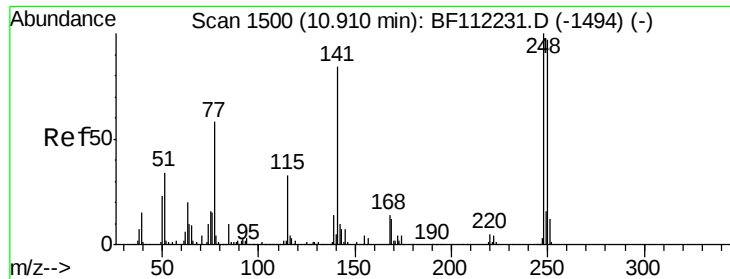
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Tgt Ion:188 Resp: 403793  
 Ion Ratio Lower Upper  
 188 100  
 94 8.2 8.2 12.2  
 80 8.4 8.9 13.3#



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

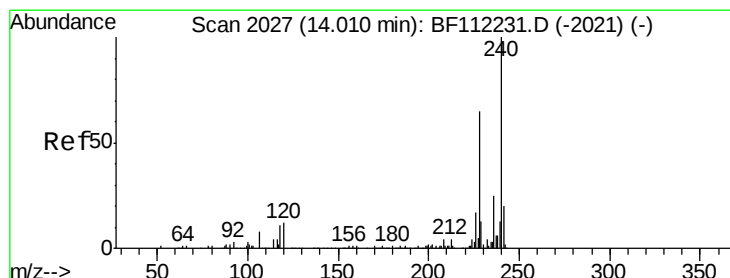
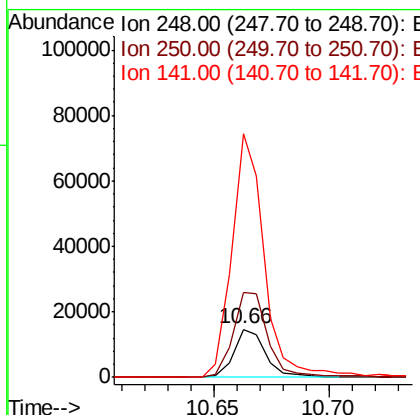
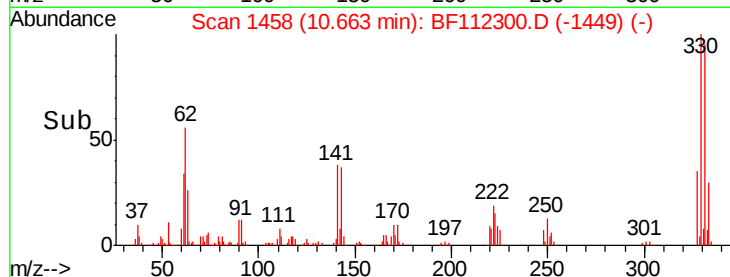
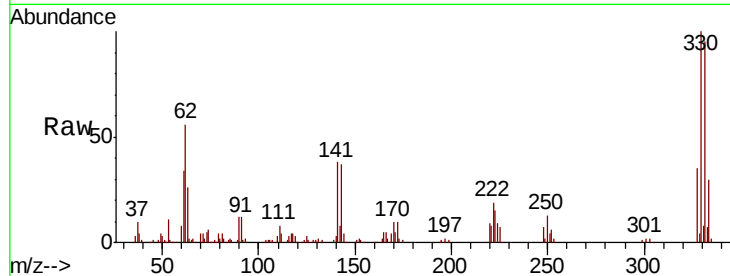




#67  
4-Bromophenyl-phenylether  
Concen: 2.952 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.25 min  
Lab File: BF112300.D  
Acq: 29 Jan 2019 17:33

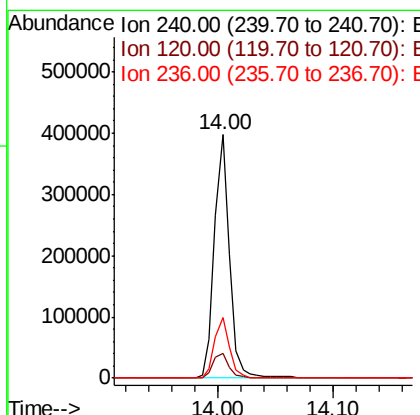
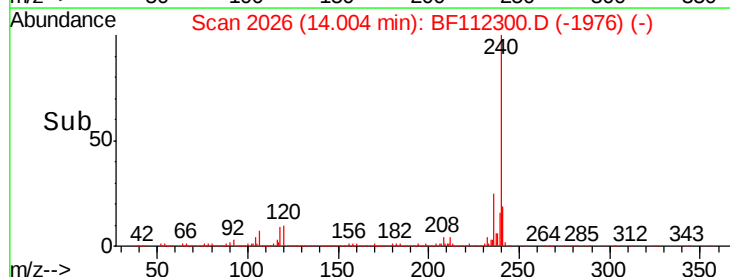
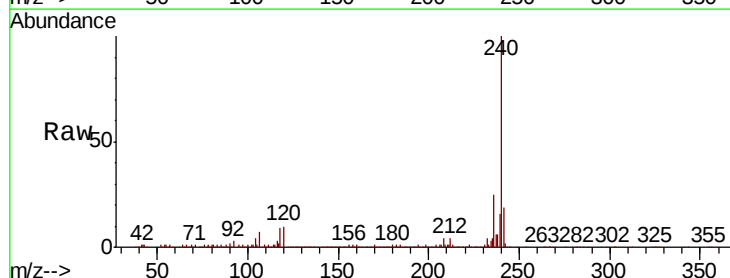
Instrument :  
BNA\_F  
ClientSampleId :  
012519-SIDI-E-U-S

Tgt Ion:248 Resp: 14018  
Ion Ratio Lower Upper  
248 100  
250 177.2 79.7 119.5#  
141 508.3 60.3 90.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BF112300.D  
Acq: 29 Jan 2019 17:33

Tgt Ion:240 Resp: 359776  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.0 13.6  
236 24.7 20.7 31.1

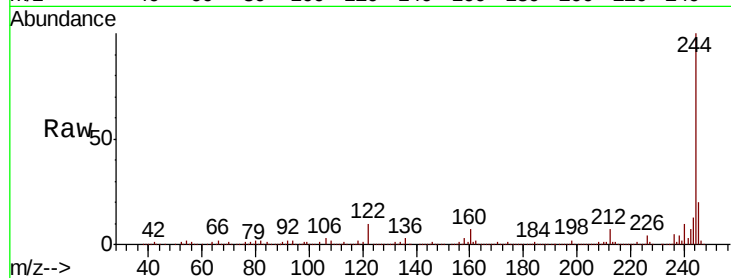




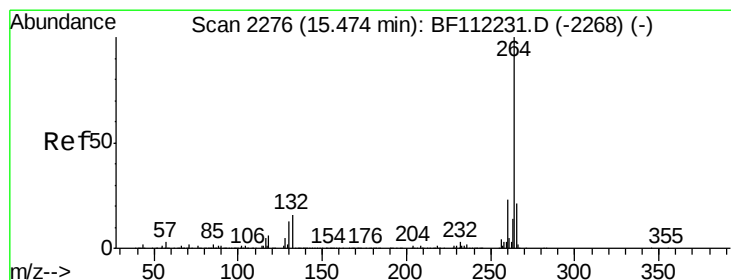
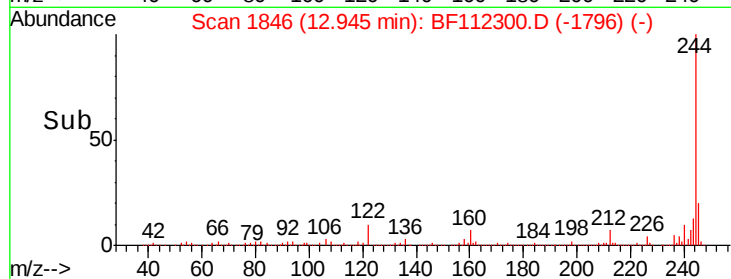
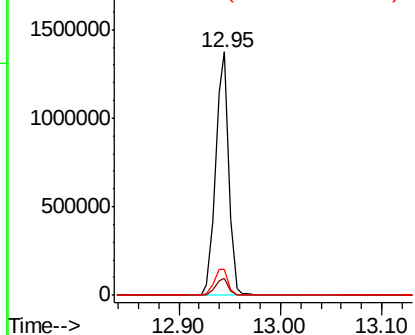
#79  
 Terphenyl-d14  
 Concen: 64.876 ng  
 RT: 12.95 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

Tgt Ion:244 Resp: 1239268  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.9 8.9  
 122 10.4 9.8 14.6

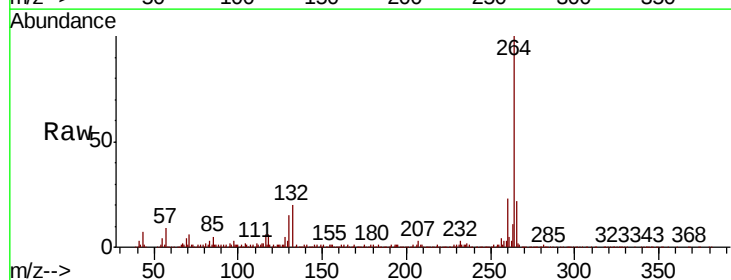


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2275  
 Delta R.T. -0.01 min  
 Lab File: BF112300.D  
 Acq: 29 Jan 2019 17:33

Tgt Ion:264 Resp: 325329  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.2 27.2  
 265 22.1 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

