

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\  
 Data File : BF116277.D  
 Acq On : 15 Aug 2019 14:20  
 Operator : HP/JU  
 Sample : K4329-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 16 03:08:01 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

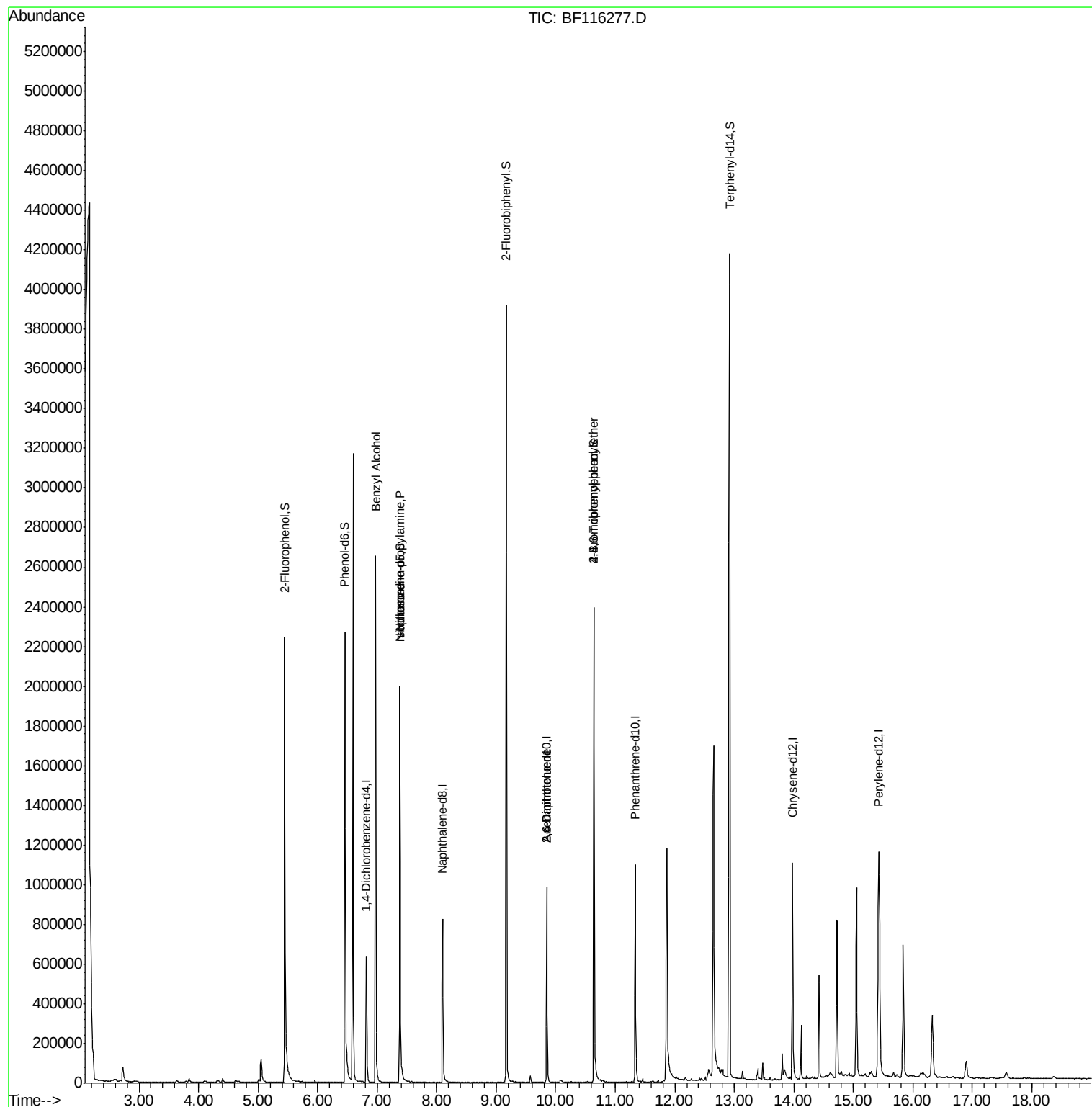
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 103985   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.10  | 136  | 406021   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10           | 9.85  | 164  | 224357   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10           | 11.33 | 188  | 432099   | 20.00  | ng    | -0.04    |
| 76) Chrysene-d12               | 13.97 | 240  | 407608   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12               | 15.43 | 264  | 440802   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 790279   | 127.23 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.46  | 99   | 904592   | 115.43 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 719246   | 102.25 | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 339694   | 156.17 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1243432  | 103.81 | ng    | -0.04    |
| 79) Terphenyl-d14              | 12.92 | 244  | 1643918  | 84.98  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.97  | 79   | 12153    | 2.043  | ng    | # 46     |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 93136    | 19.178 | ng    | # 79     |
| 25) Isophorone                 | 7.38  | 82   | 719242   | 53.475 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene         | 9.85  | 165  | 28447    | 8.569  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 28447    | 6.436  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.64 | 248  | 20439    | 4.419  | ng    | # 1      |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
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QLast Update : Wed Aug 07 11:13:18 2019  
Response via : Initial Calibration



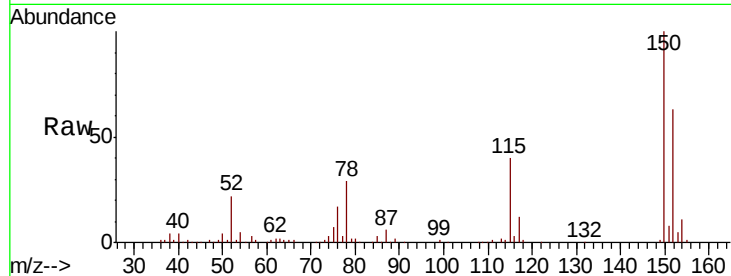


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: BF116277.D  
Acq: 15 Aug 2019 14:20

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.1 | 126.2 | 189.2 |
| 115     | 64.3  | 49.9  | 74.9  |

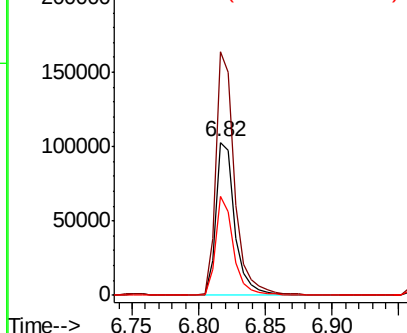
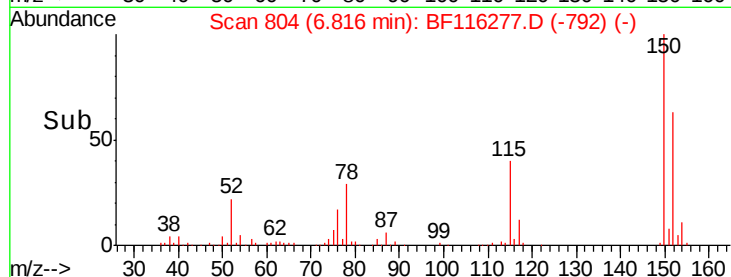


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

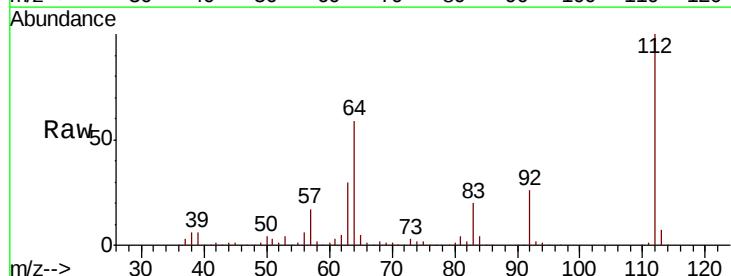
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 127.228 ng  
RT: 5.45 min Scan# 571  
Delta R.T. -0.02 min  
Lab File: BF116277.D  
Acq: 15 Aug 2019 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.8  | 45.4  | 68.2  |
| 63      | 30.4  | 23.7  | 35.5  |

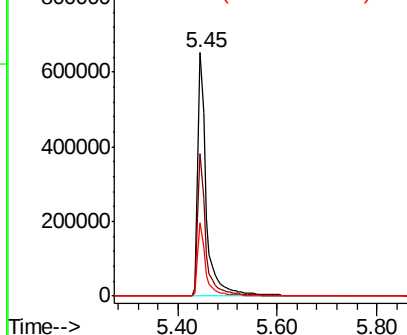
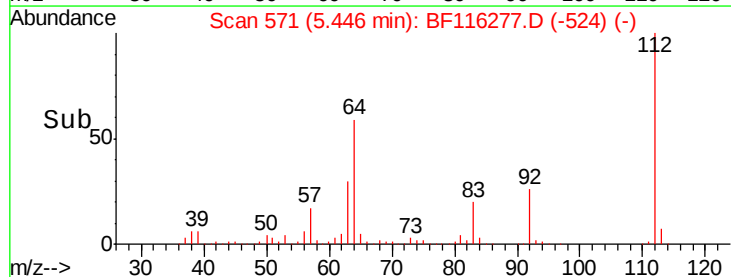


Abundance

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: 115.427 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116277.D

Acq: 15 Aug 2019 14:20

Instrument :

BNA\_F

ClientSampled :

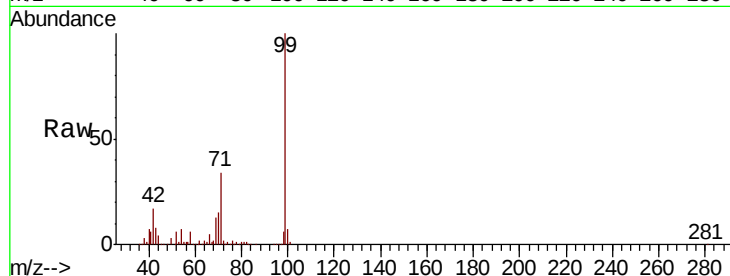
Tot Ion: 99 Resp: 904592

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

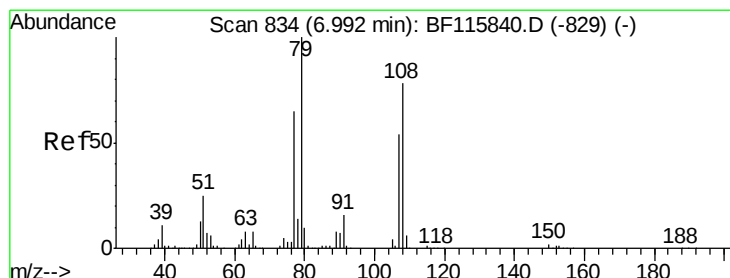
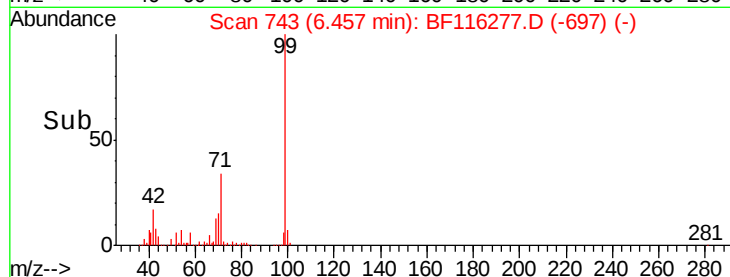
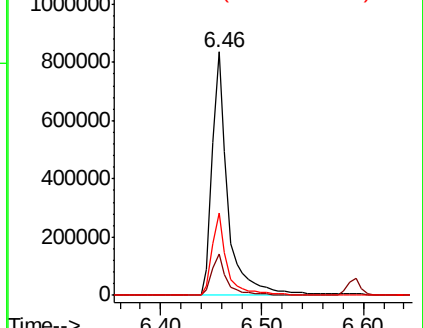
71 34.0 27.3 40.9



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



#15

Benzyl Alcohol

Concen: 2.043 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF116277.D

Acq: 15 Aug 2019 14:20

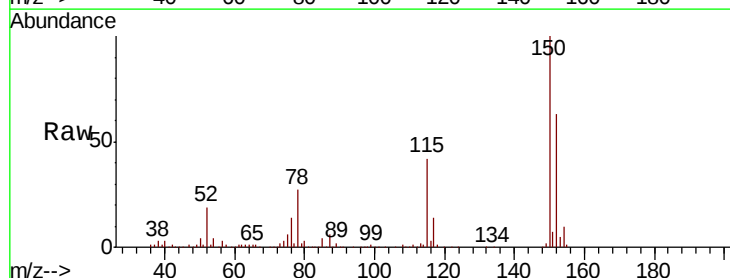
Tgt Ion: 79 Resp: 12153

Ion Ratio Lower Upper

79 100

108 35.6 62.7 94.1#

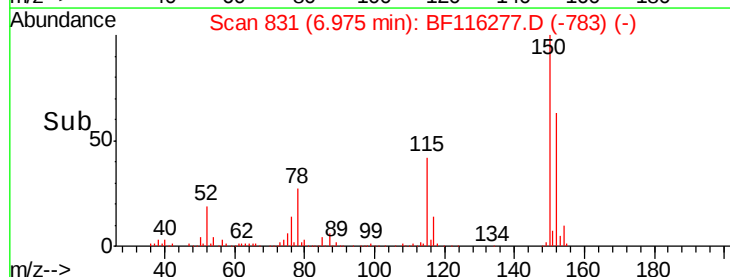
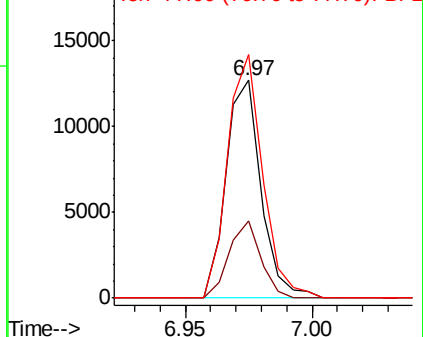
77 112.0 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

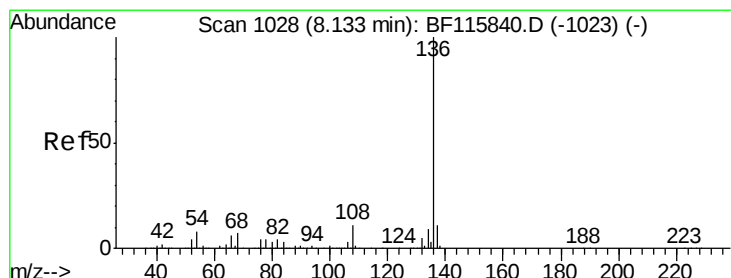
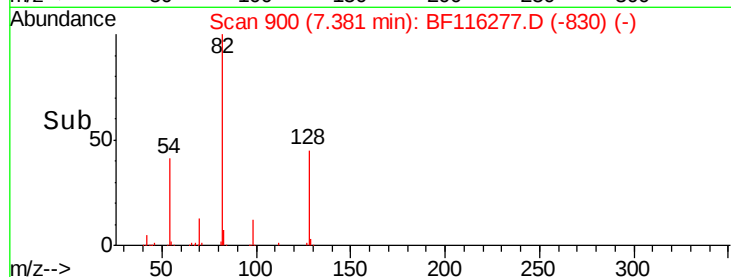
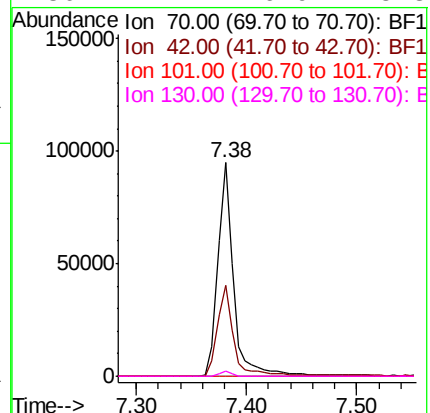
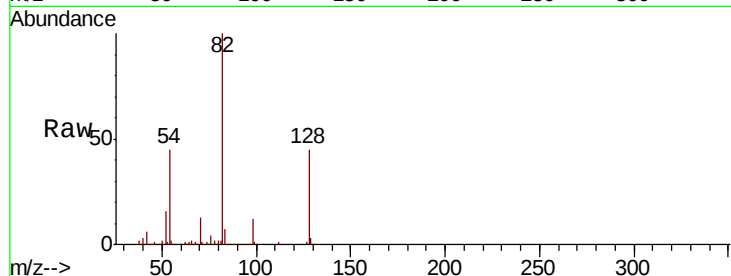




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.178 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.11 min  
Lab File: BF116277.D  
Acq: 15 Aug 2019 14:20

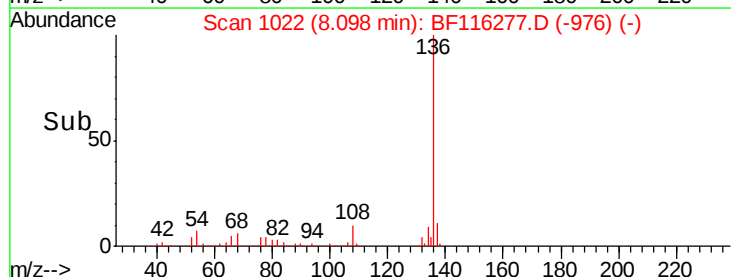
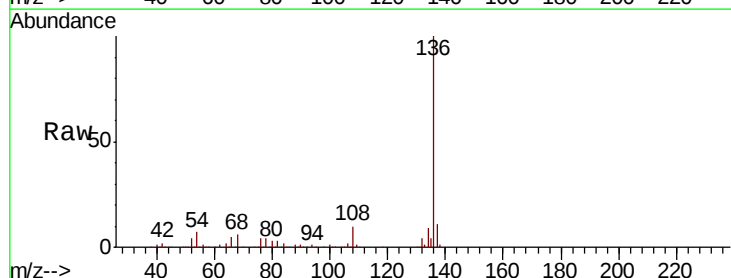
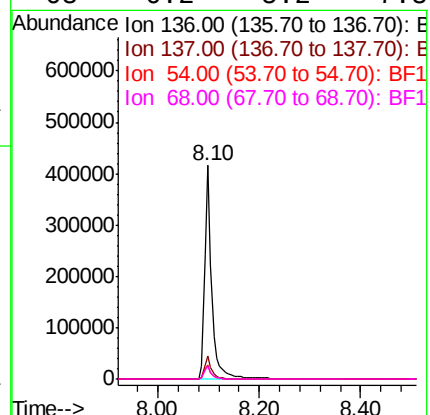
Instrument :  
BNA\_F  
ClientSampled :

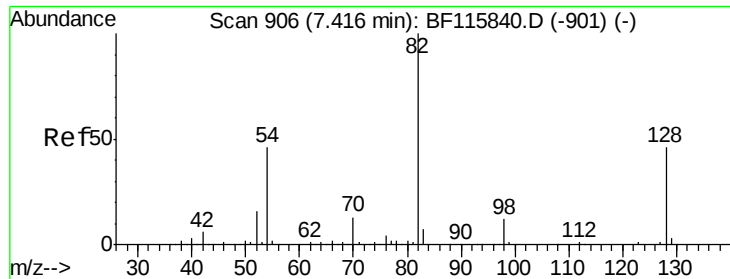
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 42.8  | 40.9  | 61.3  |
| 101     | 0.0   | 7.9   | 11.9# |
| 130     | 2.4   | 16.9  | 25.3# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.03 min  
Lab File: BF116277.D  
Acq: 15 Aug 2019 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.7  | 9.0   | 13.4  |
| 54      | 6.8   | 5.8   | 8.6   |
| 68      | 6.2   | 5.2   | 7.8   |

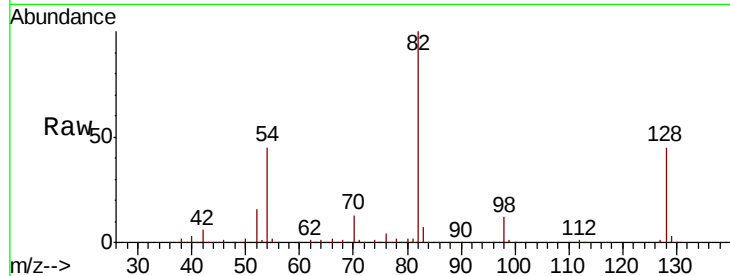




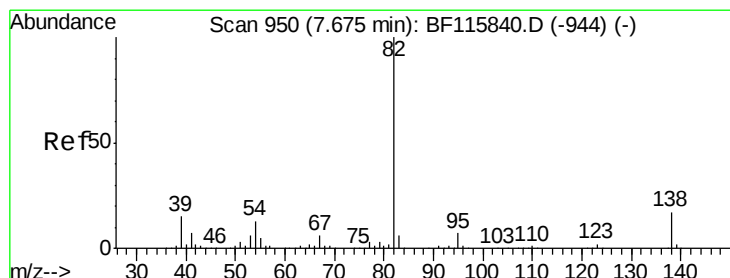
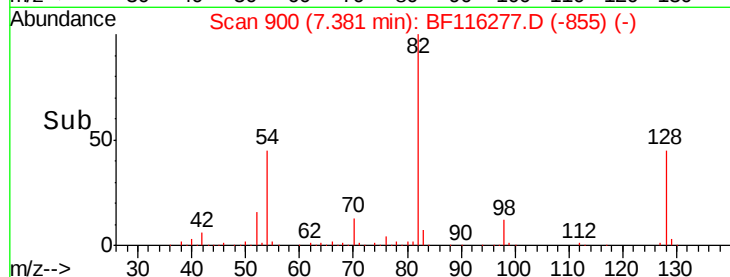
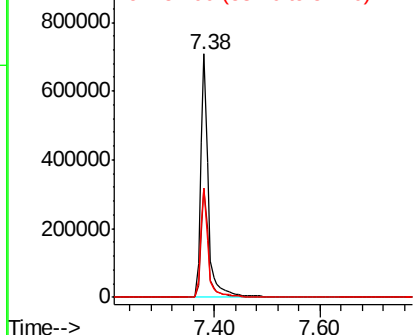
#23  
 Nitrobenzene-d5  
 Concen: 102.254 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.04 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 719246  
 Ion Ratio Lower Upper  
 82 100  
 128 44.8 36.5 54.7  
 54 44.8 36.0 54.0

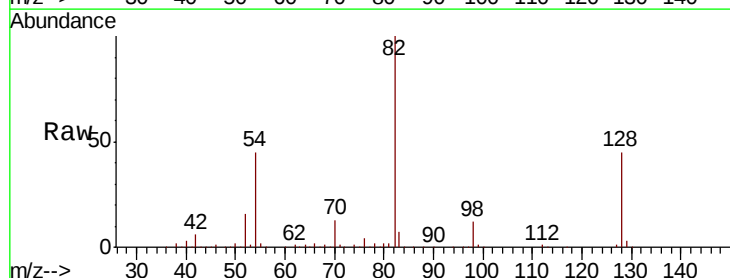


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

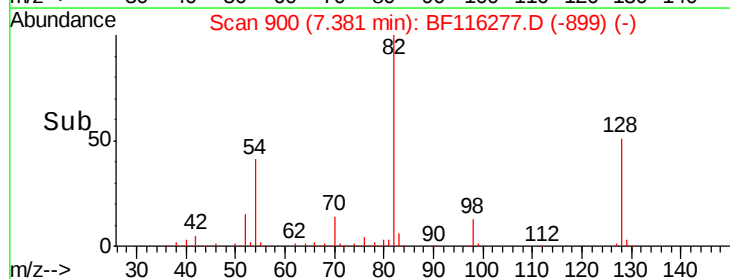
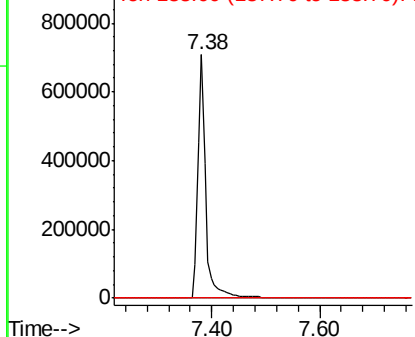


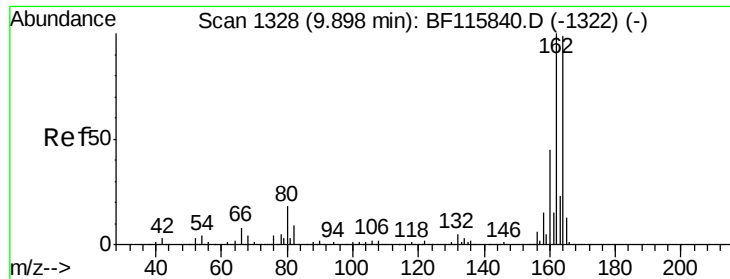
#25  
 Isophorone  
 Concen: 53.475 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.29 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

Tgt Ion: 82 Resp: 719242  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.4 8.0#  
 138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1

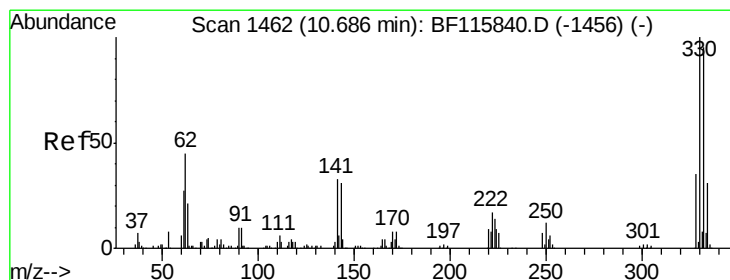
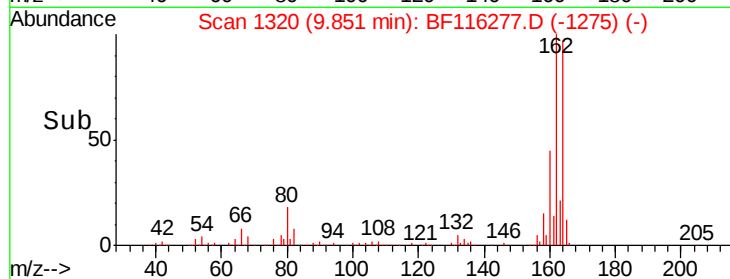
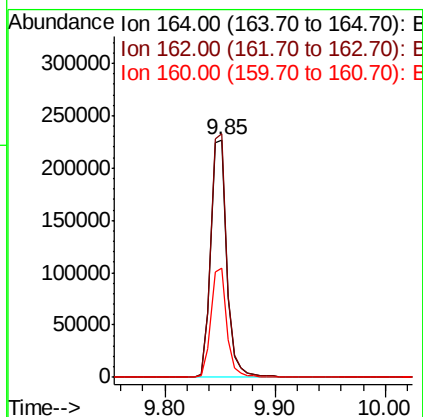
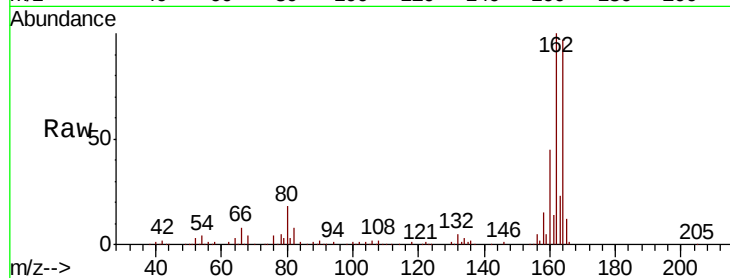




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.04 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

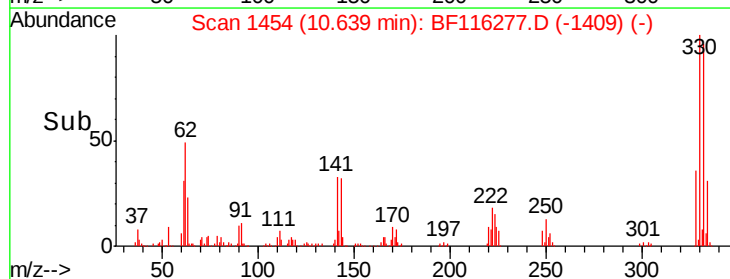
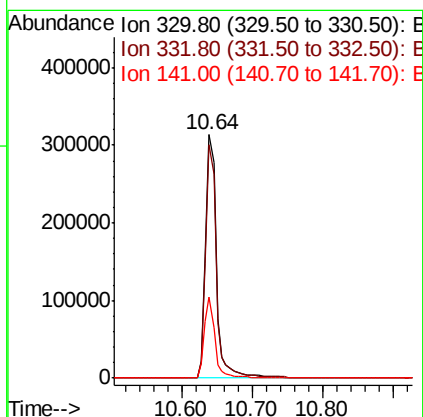
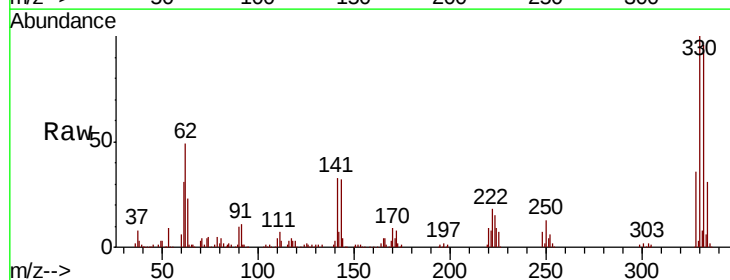
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 82.6  | 124.0 |
| 160     | 45.9  | 37.6  | 56.4  |



#42  
 2,4,6-Tribromophenol  
 Concen: 156.167 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.04 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 76.8  | 115.2 |
| 141     | 32.8  | 26.3  | 39.5  |



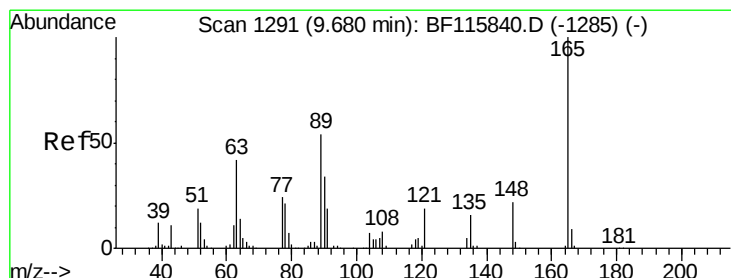
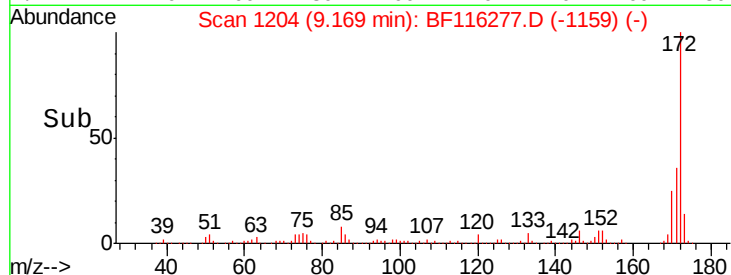
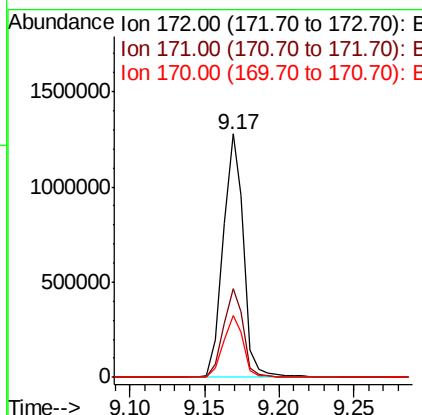
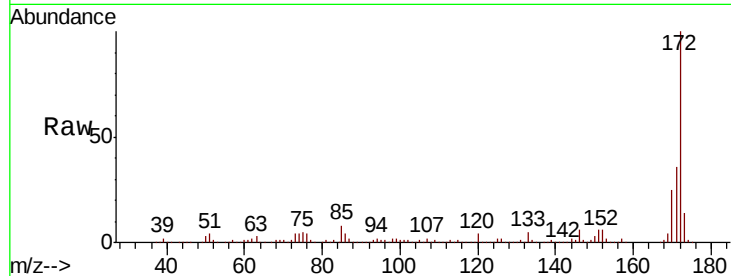


#45  
 2-Fluorobiphenyl  
 Concen: 103.810 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.04 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1243432  

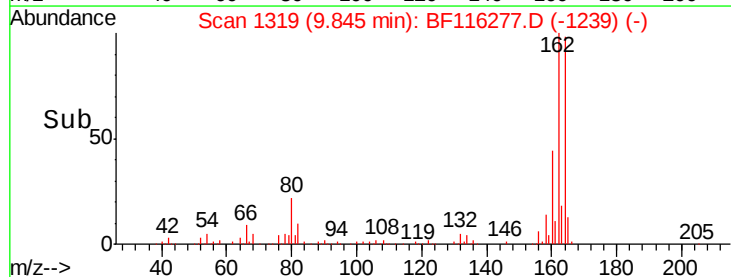
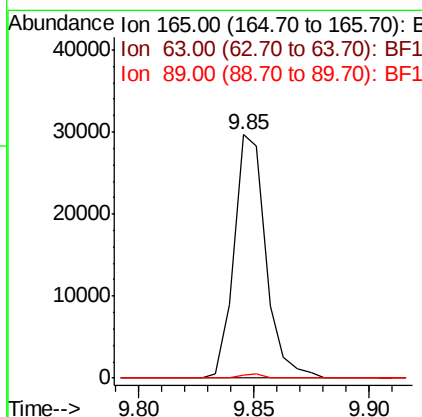
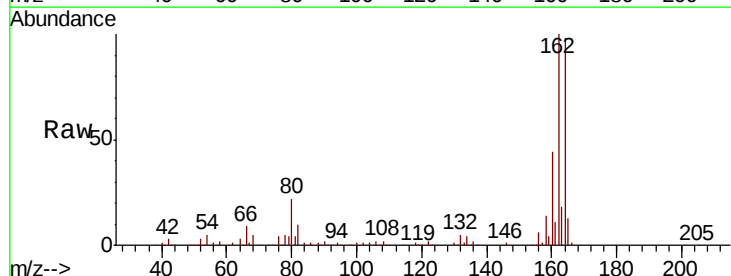
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.4  | 29.6  | 44.4  |
| 170 | 25.2  | 20.1  | 30.1  |

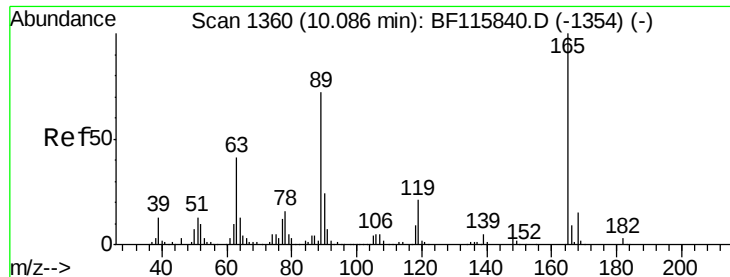


#51  
 2,6-Dinitrotoluene  
 Concen: 8.569 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. 0.17 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

Tgt Ion:165 Resp: 28447  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 0.0   | 38.2  | 57.2# |
| 89  | 1.4   | 42.9  | 64.3# |

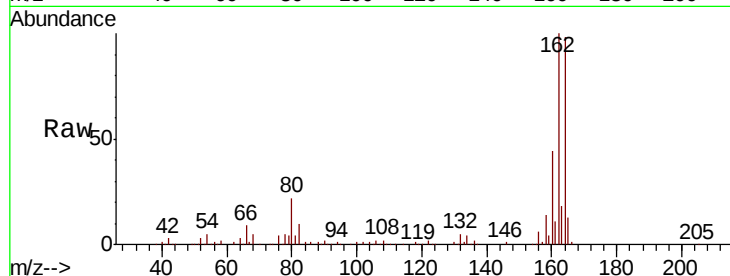




#57  
 2,4-Dinitrotoluene  
 Concen: 6.436 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. -0.24 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 39.6  | 59.4# |
| 89      | 1.4   | 62.2  | 93.2# |
| 182     | 0.0   | 2.1   | 3.1#  |

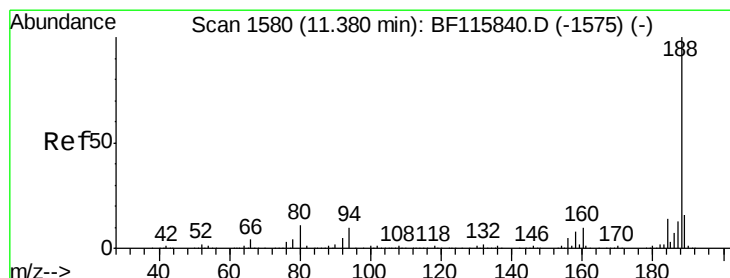
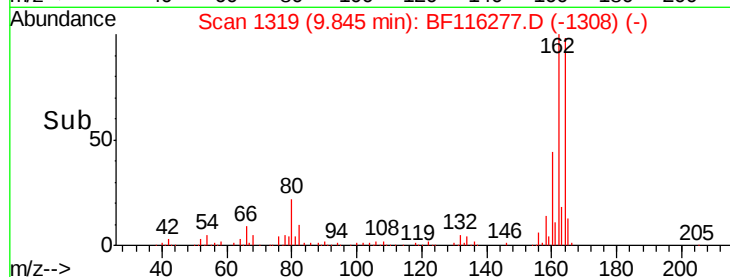
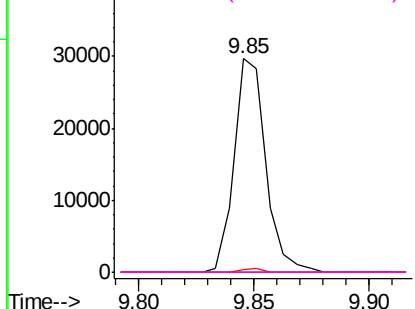


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

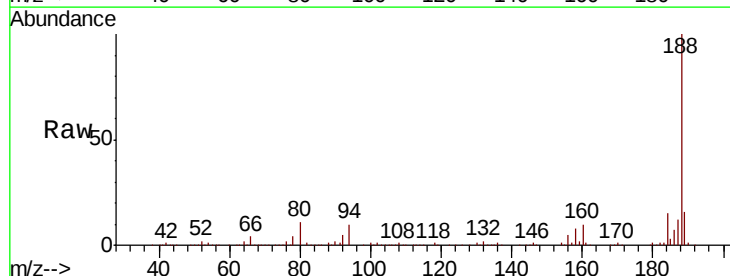
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. -0.04 min  
 Lab File: BF116277.D  
 Acq: 15 Aug 2019 14:20

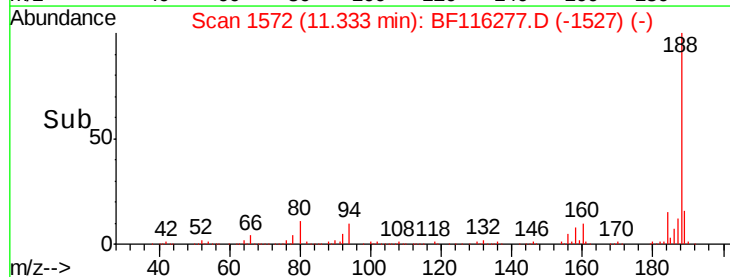
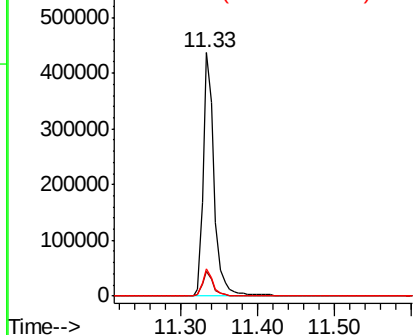
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.2  | 8.1   | 12.1  |
| 80      | 11.3  | 8.7   | 13.1  |

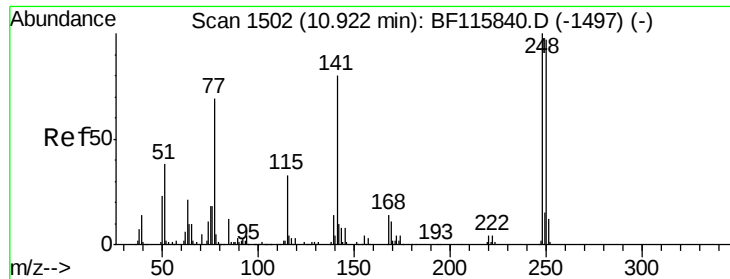


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

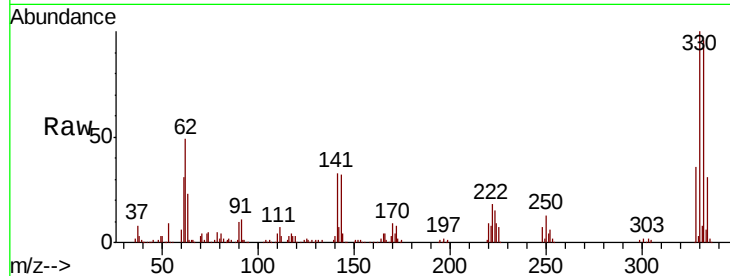




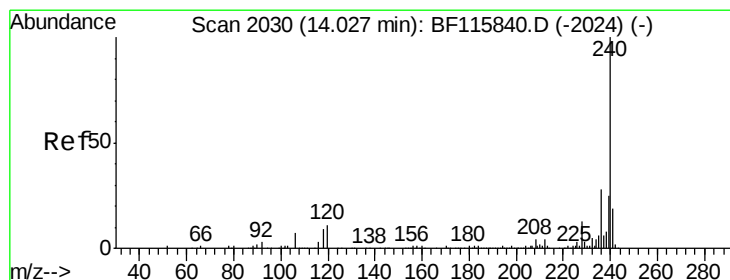
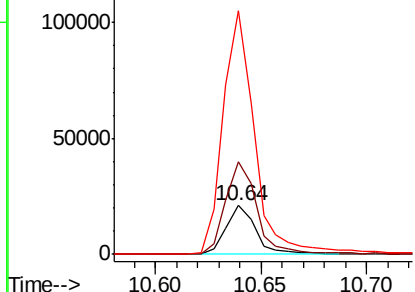
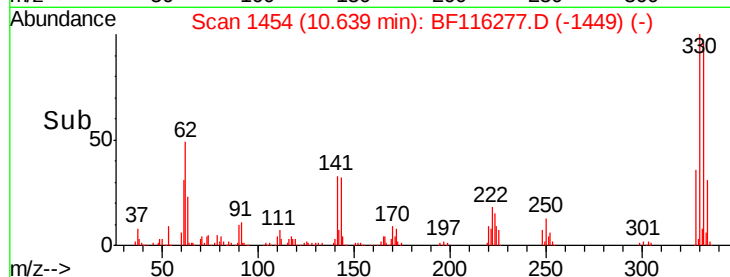
#67  
4-Bromophenyl-phenylether  
Concen: 4.419 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. -0.27 min  
Lab File: BF116277.D  
Acq: 15 Aug 2019 14:20

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 20439  
Ion Ratio Lower Upper  
248 100  
250 191.3 77.4 116.2#  
141 499.9 56.8 85.2#

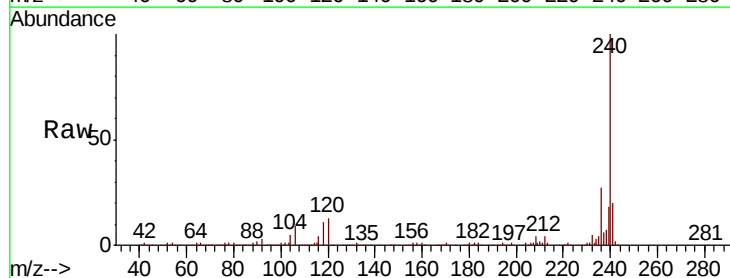


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

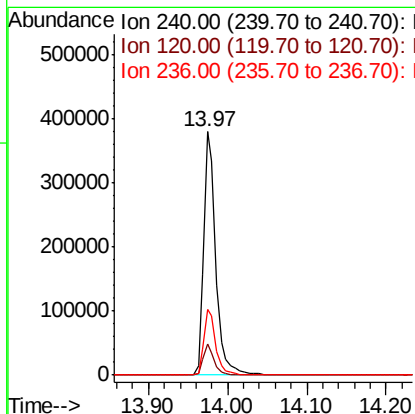
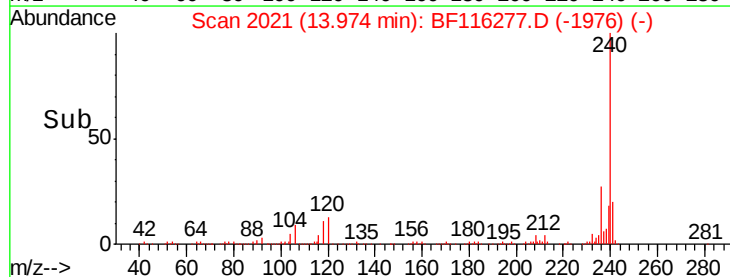


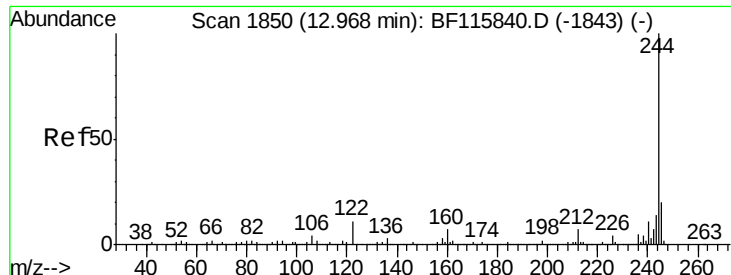
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.04 min  
Lab File: BF116277.D  
Acq: 15 Aug 2019 14:20

Tgt Ion:240 Resp: 407608  
Ion Ratio Lower Upper  
240 100  
120 12.7 10.7 16.1  
236 27.0 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





#79

Terphenyl-d14

Concen: 84.984 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.03 min

Lab File: BF116277.D

Acq: 15 Aug 2019 14:20

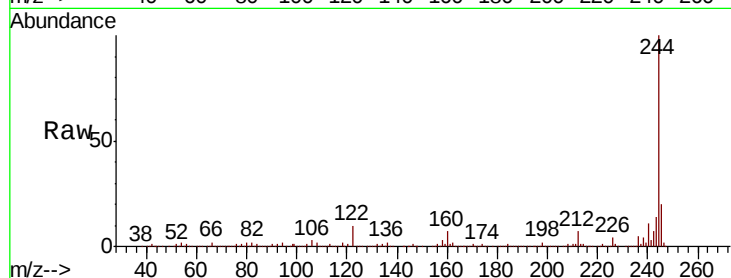
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:244 Resp: 1643918

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.0   | 5.8   | 8.8   |
| 122 | 10.4  | 9.0   | 13.4  |

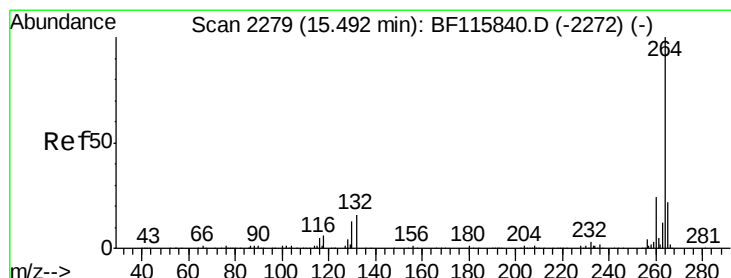
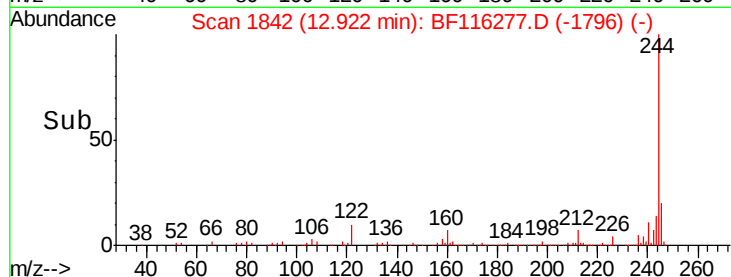
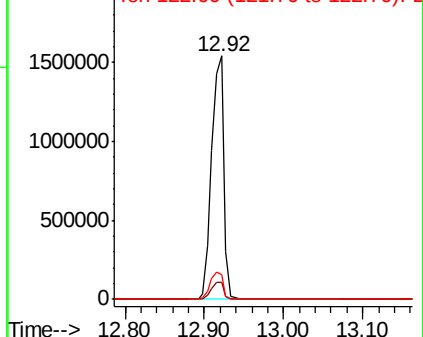


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

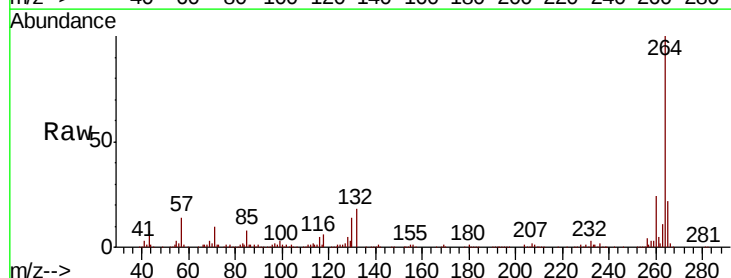
Delta R.T. -0.04 min

Lab File: BF116277.D

Acq: 15 Aug 2019 14:20

Tgt Ion:264 Resp: 440802

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.7  | 29.5  |
| 265 | 21.7  | 17.4  | 26.0  |



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

