

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072919\  
 Data File : BF115834.D  
 Acq On : 29 Jul 2019 16:14  
 Operator : HP/JU  
 Sample : K4036-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 29 16:48:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 16:38:26 2019  
 Response via : Initial Calibration

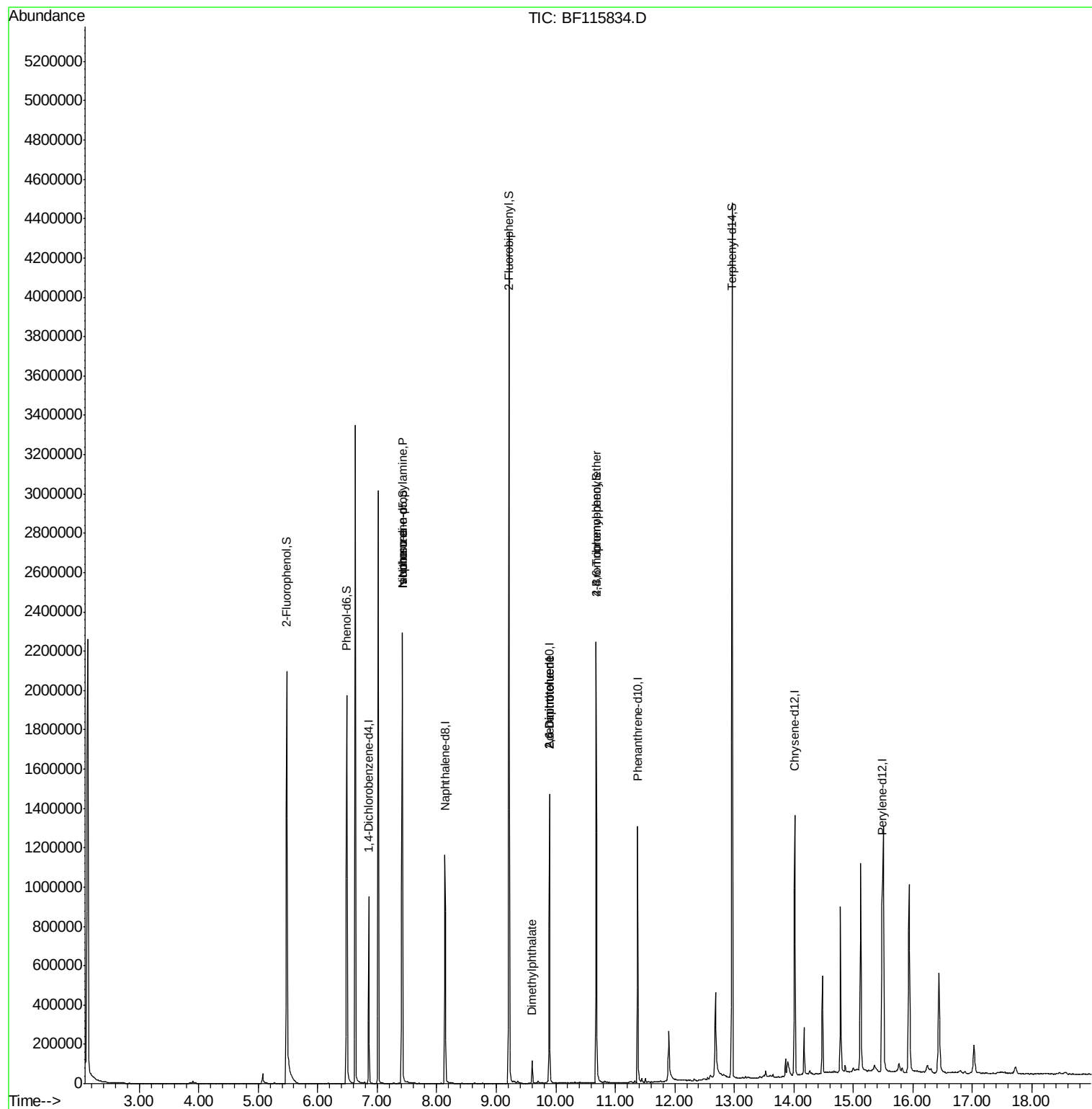
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 137140   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.14  | 136  | 525185   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.89  | 164  | 282319   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.37 | 188  | 513013   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.02 | 240  | 418121   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.48 | 264  | 388390   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 717649   | 85.60  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 714599   | 67.17  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 786079   | 87.03  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.68 | 330  | 281187   | 85.33  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.22  | 172  | 1380847  | 85.61  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.96 | 244  | 1655583  | 73.06  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 104976   | 15.130 | ng    | # 78     |
| 25) Isophorone                 | 7.42  | 82   | 786185   | 43.500 | ng    | # 66     |
| 50) Dimethylphthalate          | 9.60  | 163  | 47521    | 2.237  | ng    | # 99     |
| 51) 2,6-Dinitrotoluene         | 9.89  | 165  | 36141    | 7.487  | ng    | # 20     |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 36141    | 5.779  | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248  | 16731    | 2.854  | ng    | # 1      |

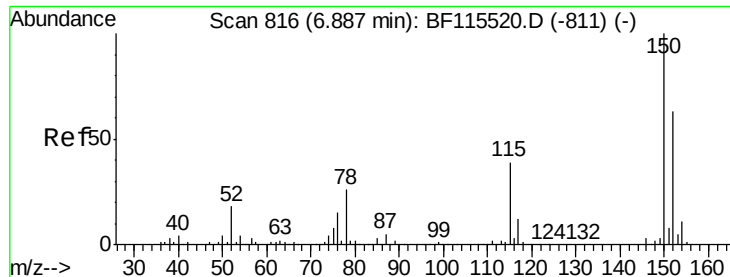
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 16:38:26 2019  
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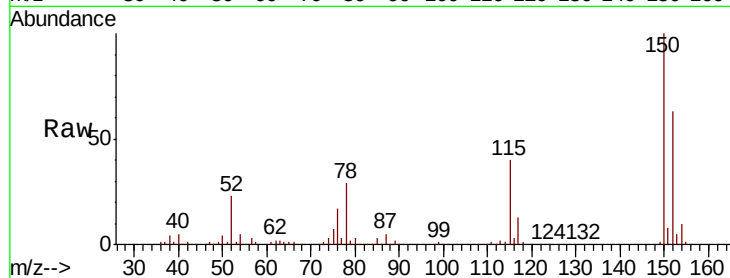


#1

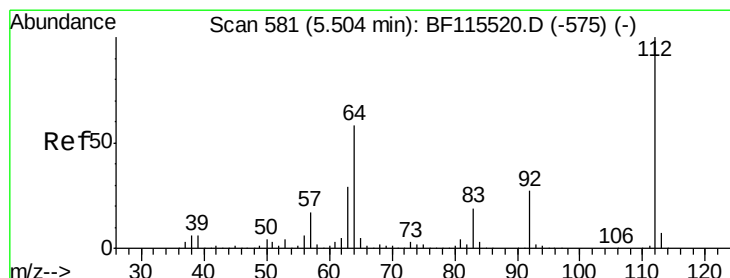
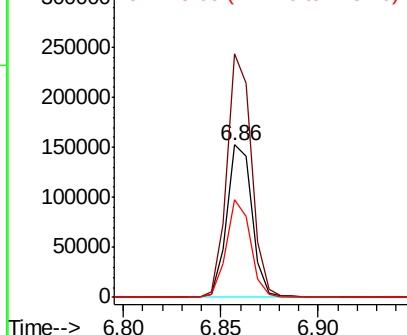
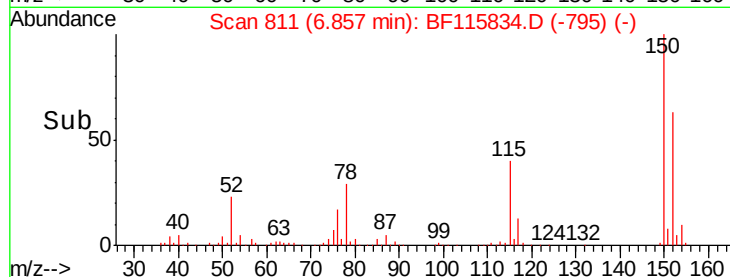
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.86 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 137140  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 125.3 187.9  
 115 64.2 48.2 72.2



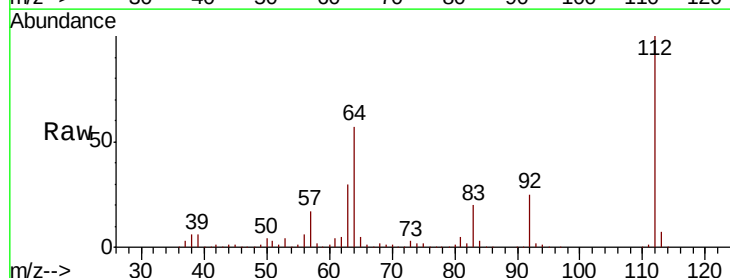
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



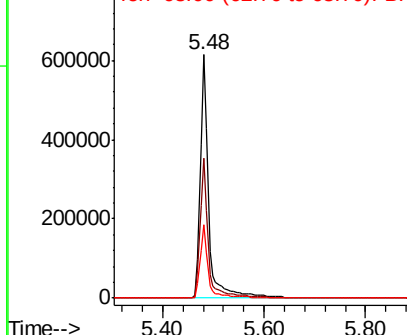
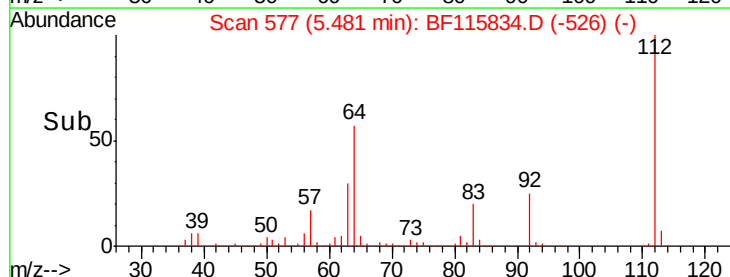
#5

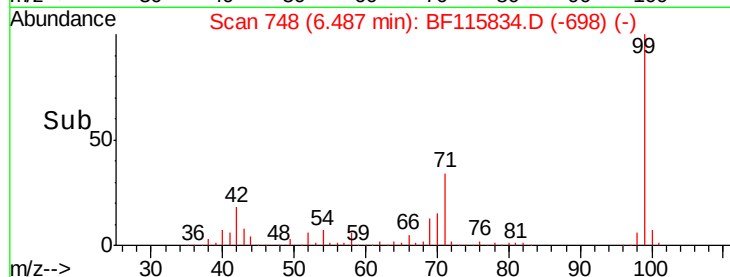
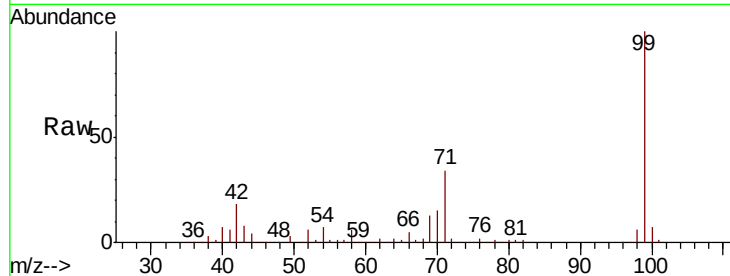
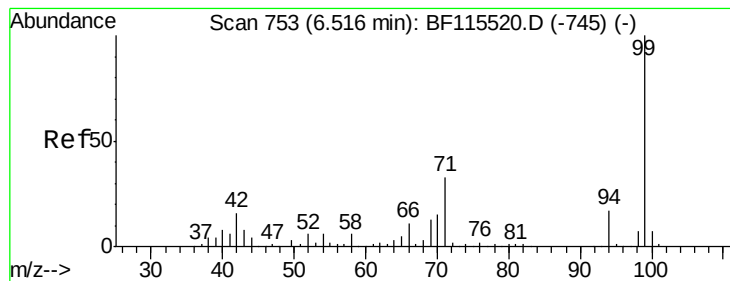
2-Fluorophenol  
 Concen: 85.596 ng  
 RT: 5.48 min Scan# 577  
 Delta R.T. 0.00 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

Tgt Ion:112 Resp: 717649  
 Ion Ratio Lower Upper  
 112 100  
 64 57.4 45.5 68.3  
 63 30.1 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





#7

Phenol-d6

Concen: 67.171 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF115834.D

Acq: 29 Jul 2019 16:14

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 714599

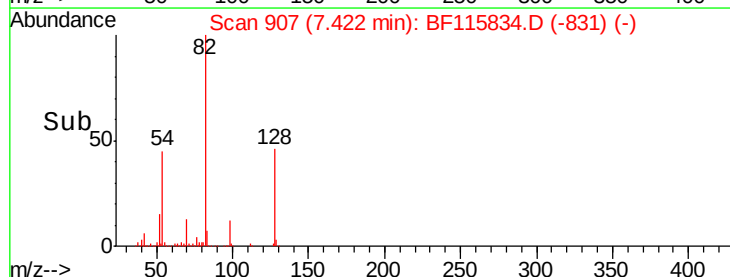
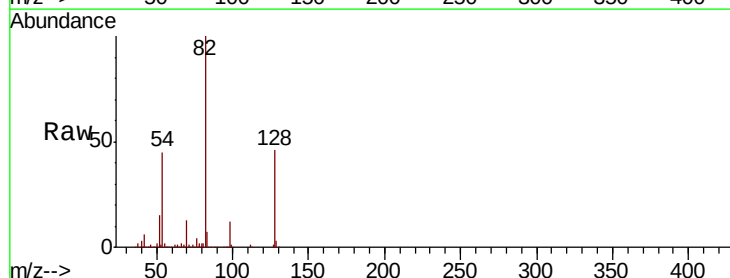
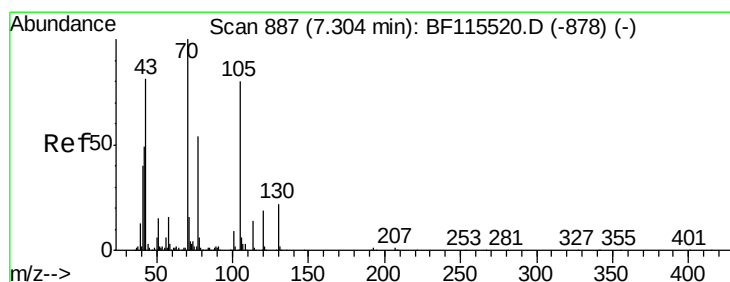
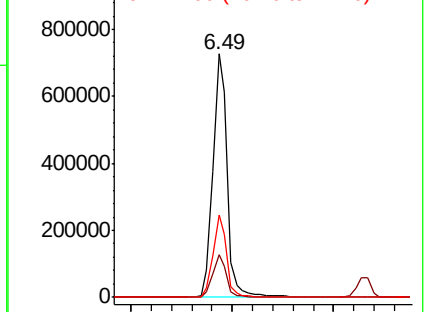
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 13.6  | 20.4  |
| 71  | 33.8  | 26.5  | 39.7  |

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



#19

n-Nitroso-di-n-propylamine

Concen: 15.130 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF115834.D

Acq: 29 Jul 2019 16:14

Tgt Ion: 70 Resp: 104976

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 43.1  | 41.9  | 62.9  |
| 101 | 0.0   | 7.8   | 11.8# |
| 130 | 2.2   | 17.6  | 26.4# |

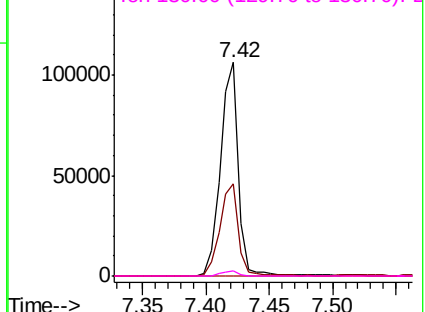
Abundance

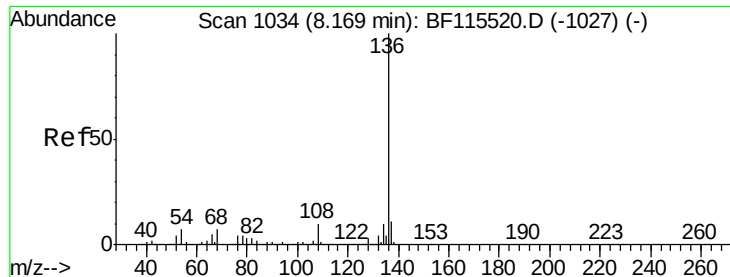
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

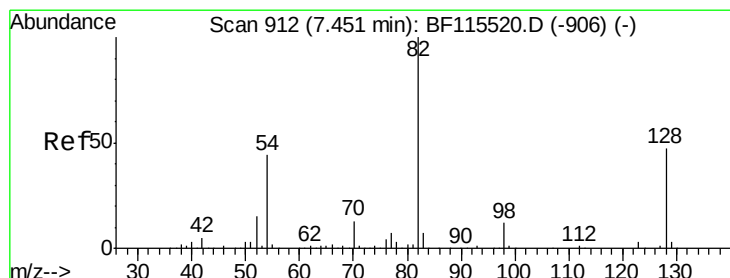
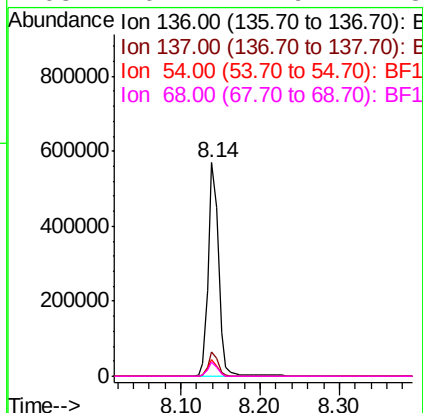
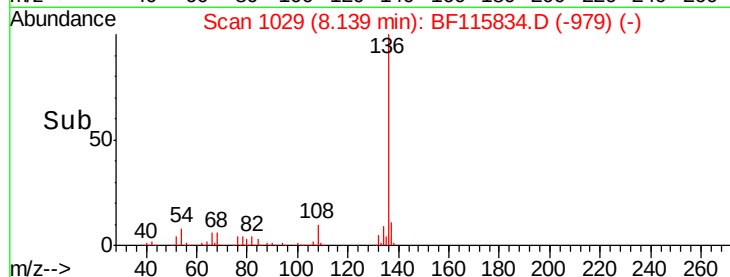
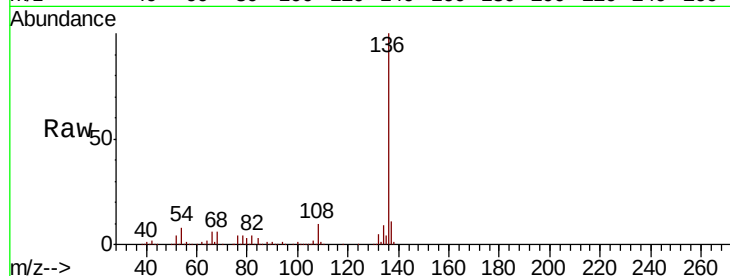




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF115834.D  
Acq: 29 Jul 2019 16:14

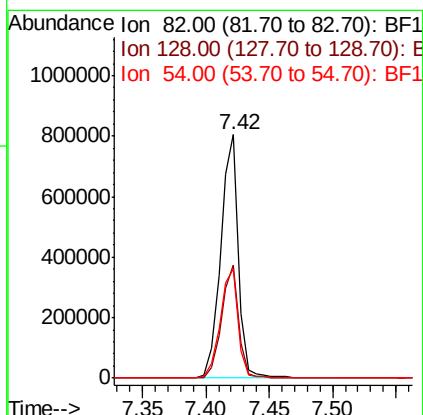
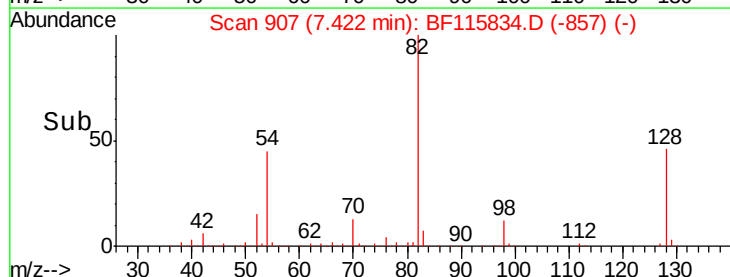
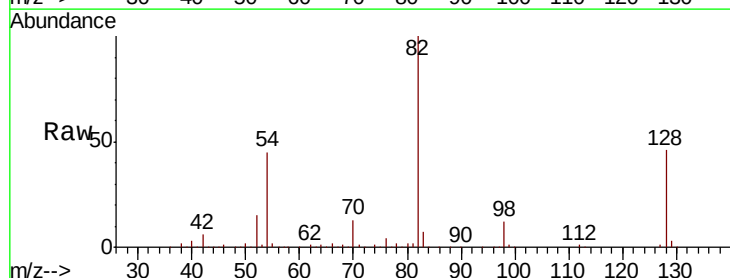
Instrument :  
BNA\_F  
ClientSampleId :

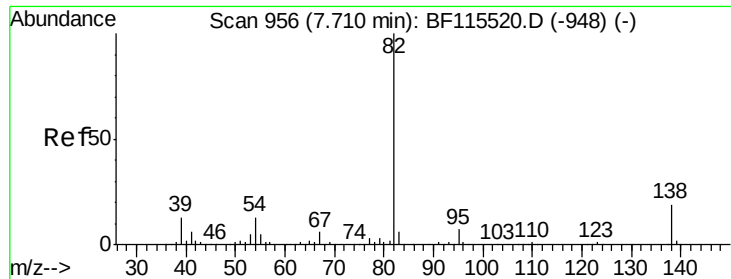
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 525185   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.1  | 8.8 13.2 |
| 54          | 7.7   | 5.4 8.2  |
| 68          | 6.4   | 4.9 7.3  |



#23  
Nitrobenzene-d5  
Concen: 87.032 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.01 min  
Lab File: BF115834.D  
Acq: 29 Jul 2019 16:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 786079    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.4  | 37.9 56.9 |
| 54          | 44.9  | 35.4 53.0 |

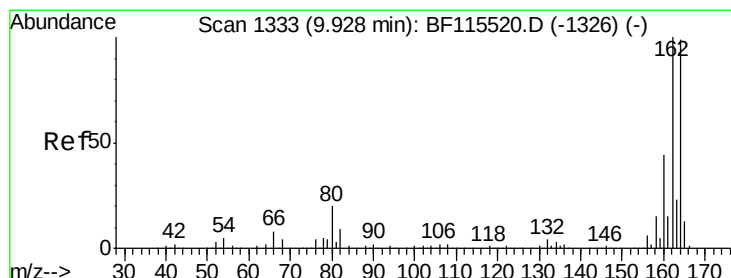
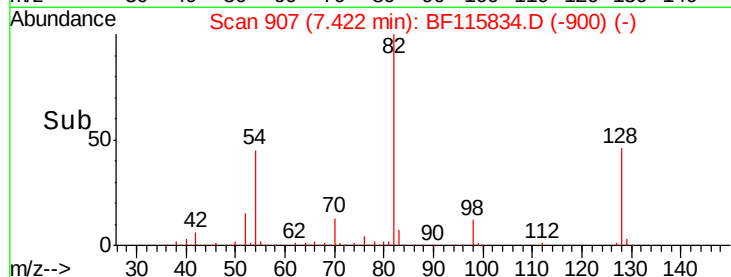
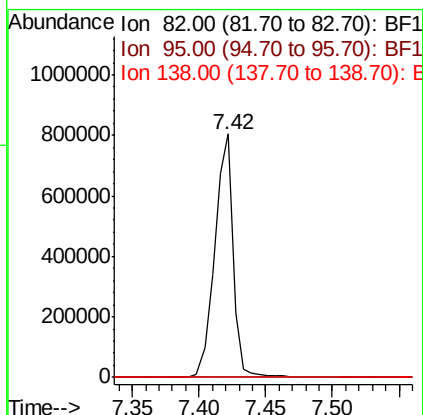
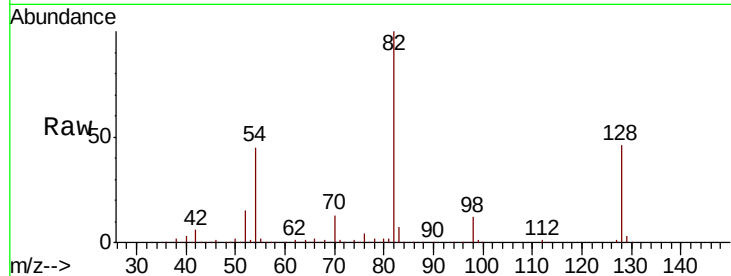




#25  
Isophorone  
Concen: 43.500 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.26 min  
Lab File: BF115834.D  
Acq: 29 Jul 2019 16:14

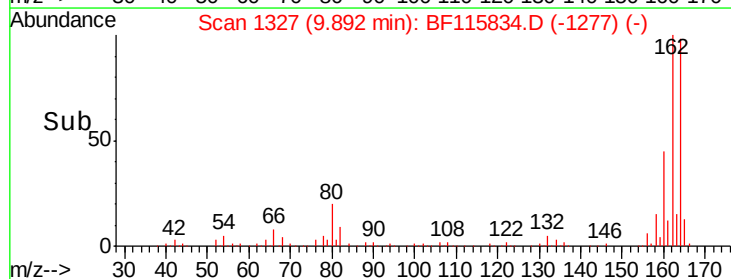
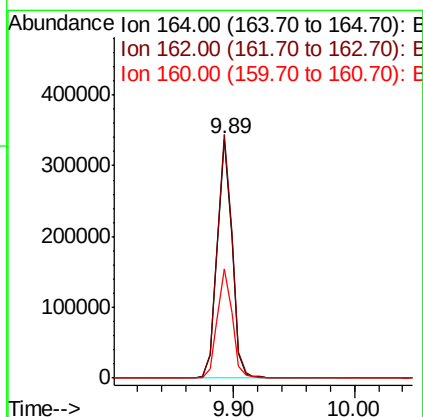
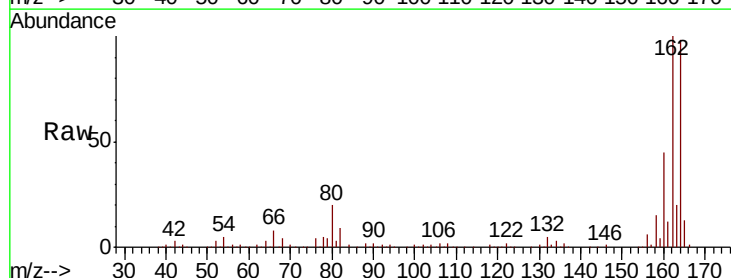
Instrument :  
BNA\_F  
ClientSampleID :

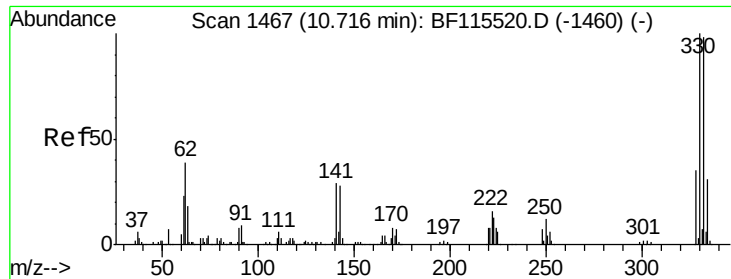
Tot Ion: 82 Resp: 786185  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 13.6 20.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF115834.D  
Acq: 29 Jul 2019 16:14

Tgt Ion:164 Resp: 282319  
Ion Ratio Lower Upper  
164 100  
162 101.9 81.5 122.3  
160 45.8 36.6 54.8

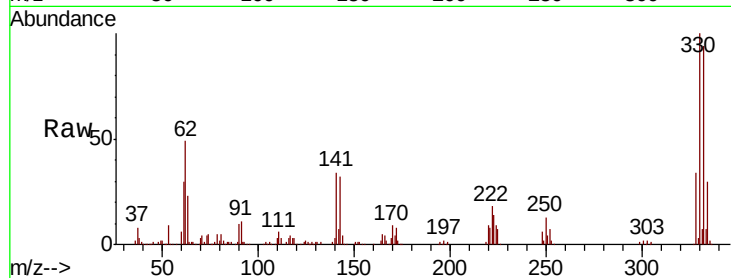




#42  
 2,4,6-Tribromophenol  
 Concen: 85.329 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 76.8  | 115.2 |
| 141     | 33.7  | 27.5  | 41.3  |

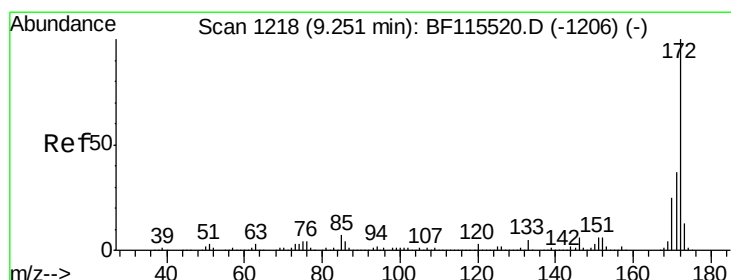
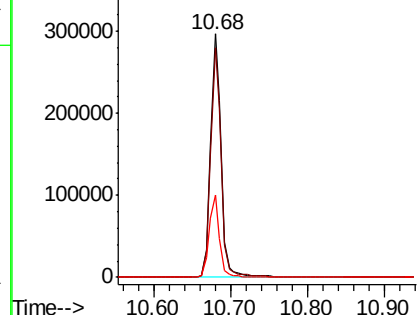
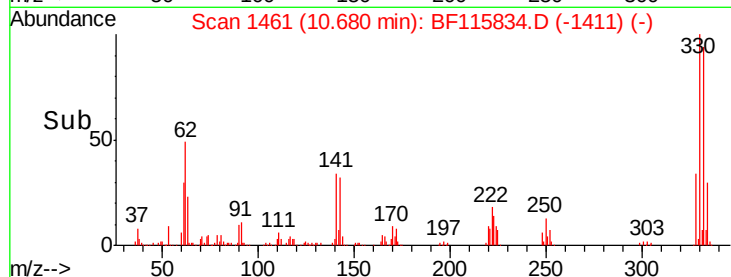


Abundance

Ion 329.80 (329.50 to 330.50): E

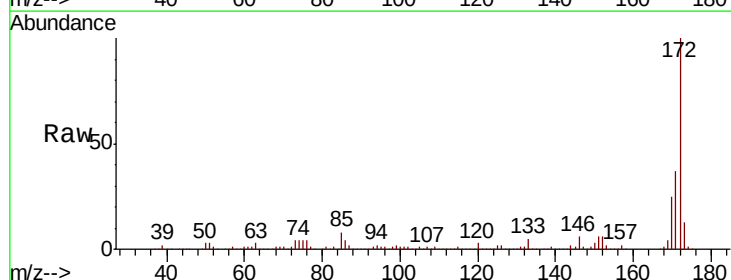
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 85.608 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. 0.00 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 28.9  | 43.3  |
| 170     | 25.0  | 19.9  | 29.9  |

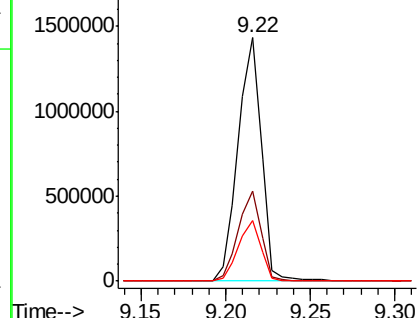
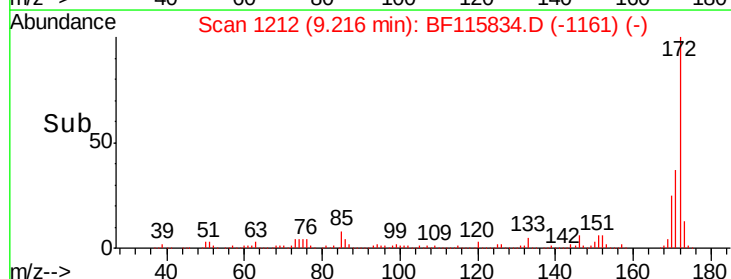


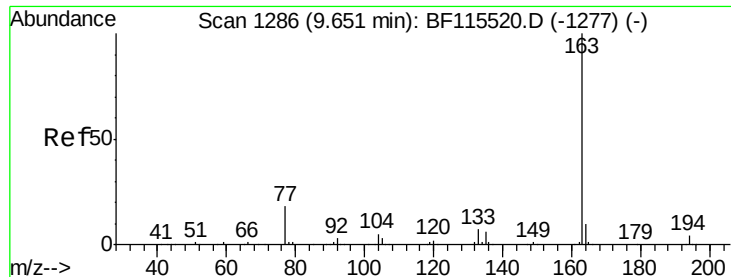
Abundance

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

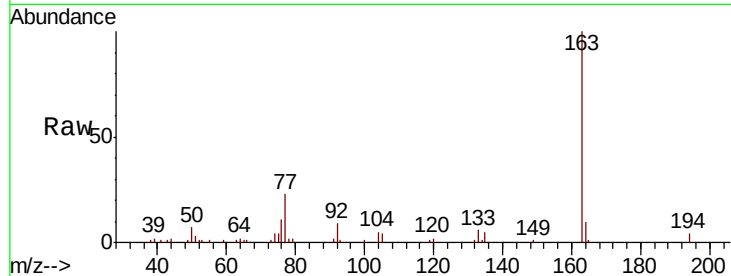




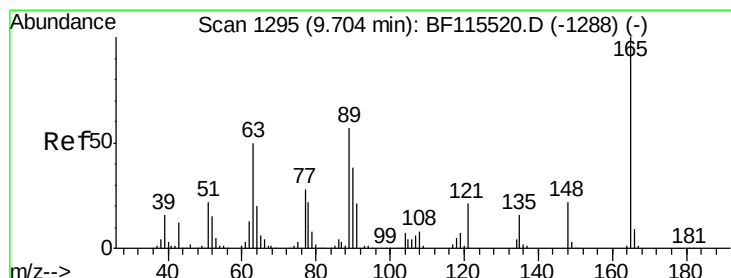
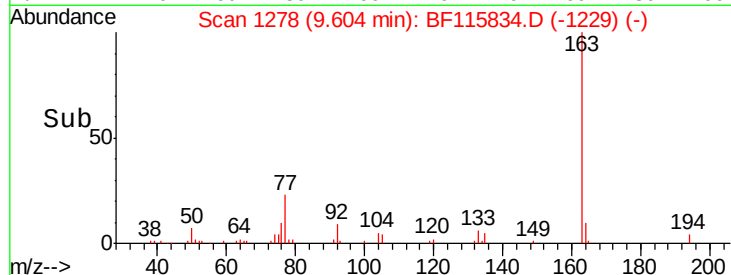
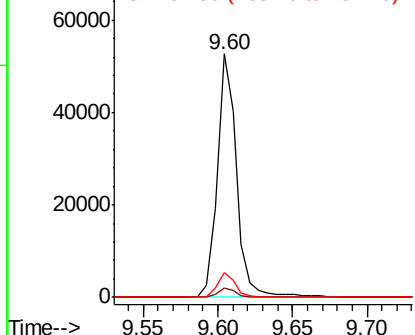
#50  
Dimethylphthalate  
Concen: 2.237 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.01 min  
Lab File: BF115834.D  
Acq: 29 Jul 2019 16:14

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.0   | 4.4   |
| 164     | 10.0  | 8.2   | 12.4  |

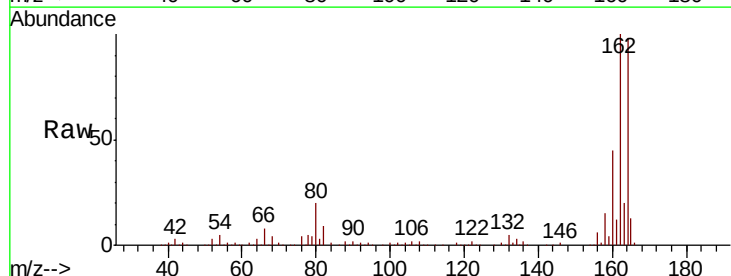


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

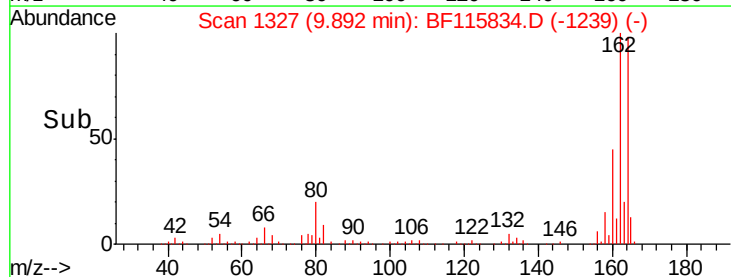
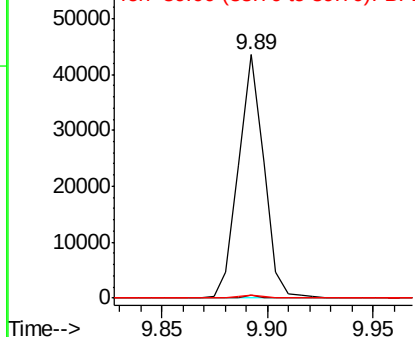


#51  
2,6-Dinitrotoluene  
Concen: 7.487 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.22 min  
Lab File: BF115834.D  
Acq: 29 Jul 2019 16:14

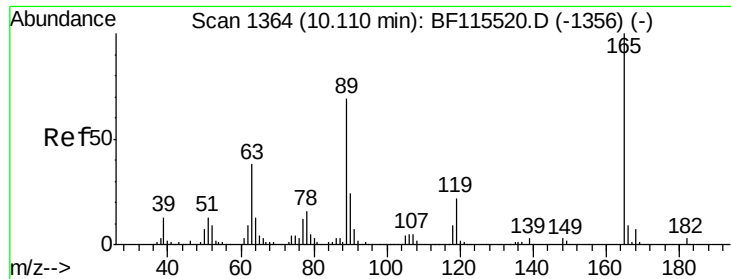
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 48.9  | 73.3# |
| 89      | 1.2   | 51.8  | 77.6# |



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



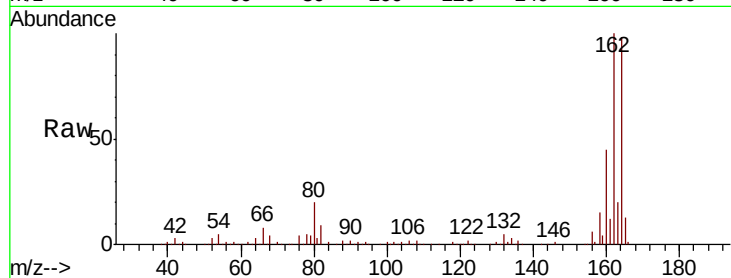




#57  
 2,4-Dinitrotoluene  
 Concen: 5.779 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.19 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 29.7  | 44.5# |
| 89      | 1.2   | 53.6  | 80.4# |
| 182     | 0.0   | 2.0   | 3.0#  |

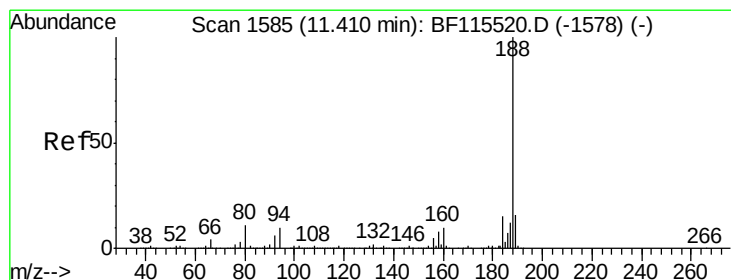
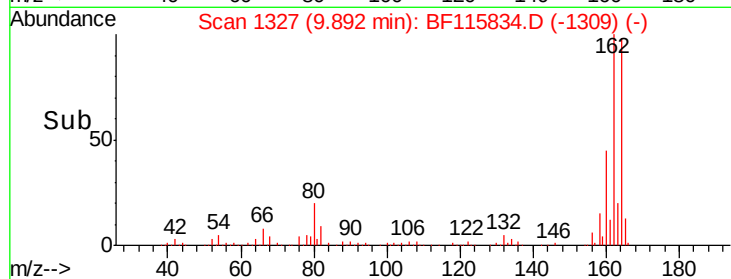
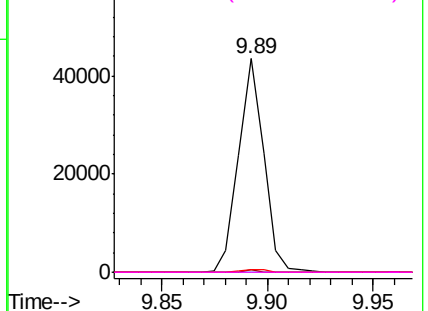


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

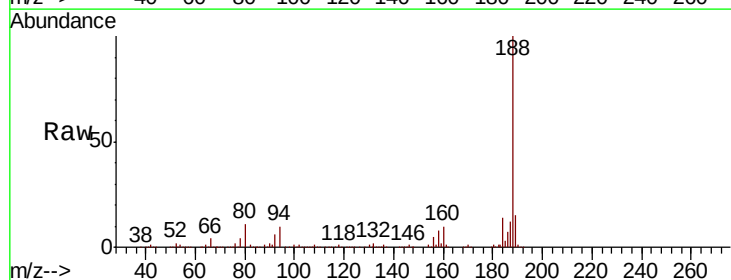
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1579  
 Delta R.T. -0.01 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

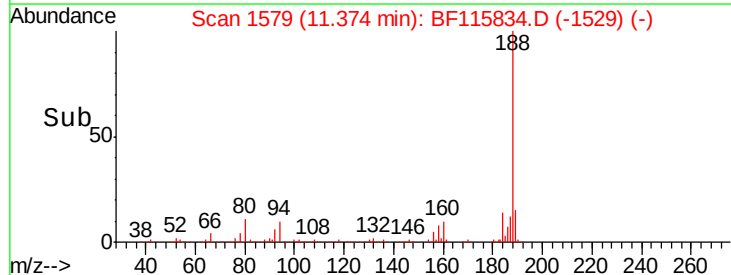
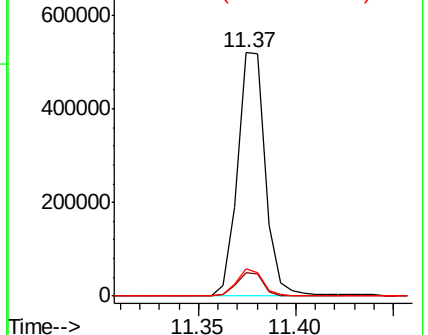
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.9   | 7.7   | 11.5  |
| 80      | 11.3  | 8.2   | 12.2  |

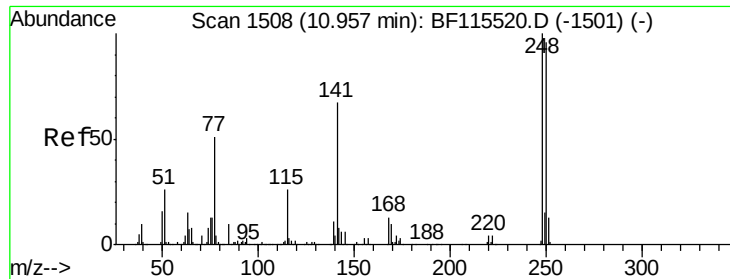


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

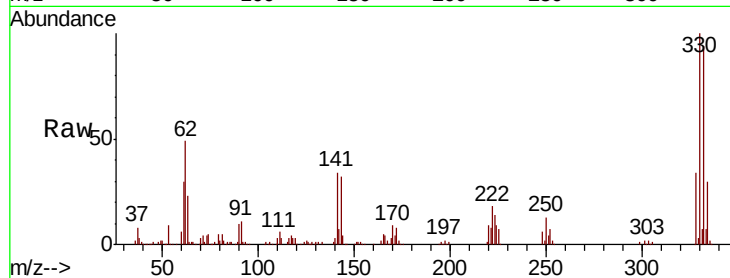




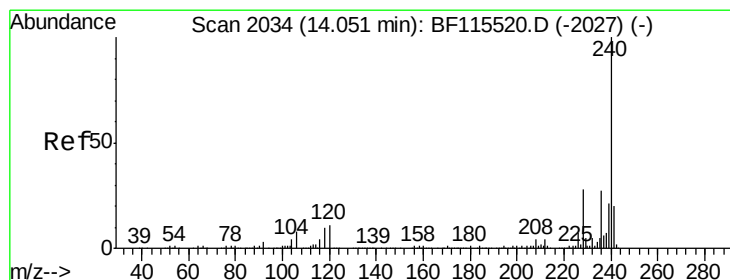
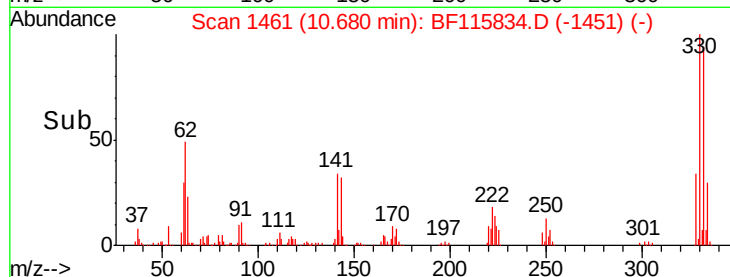
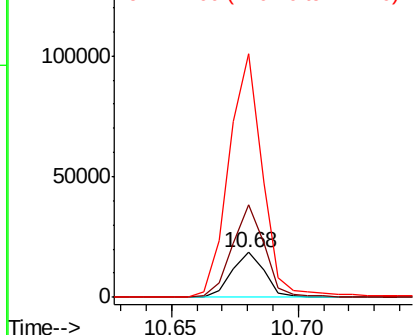
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.854 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.24 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:248 Resp: 16731  
 Ion Ratio Lower Upper  
 248 100  
 250 204.6 76.2 114.2#  
 141 540.1 62.0 93.0#

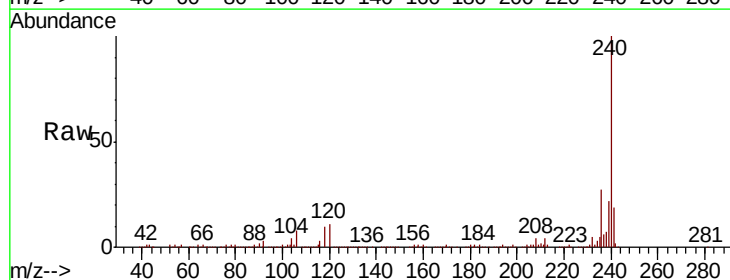


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

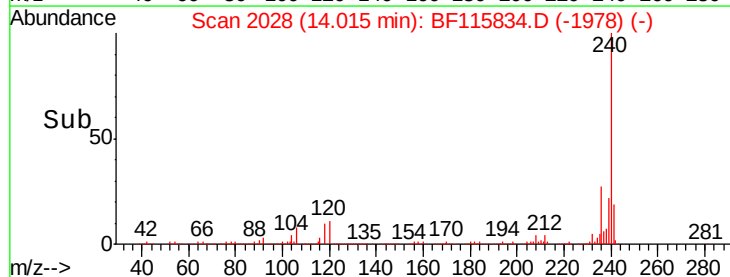
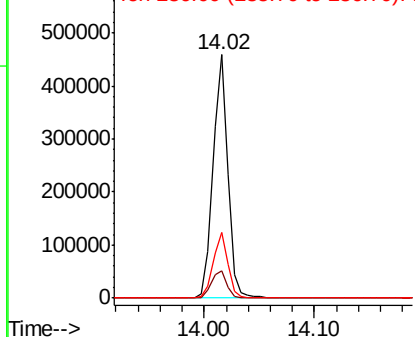


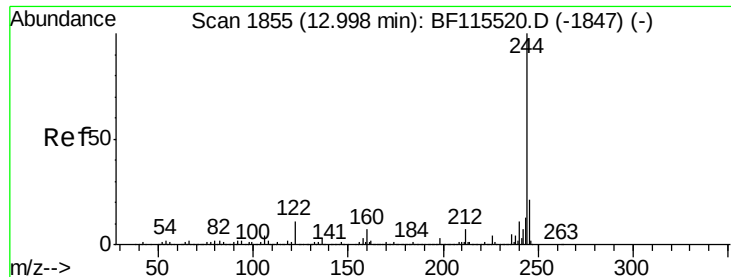
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.01 min  
 Lab File: BF115834.D  
 Acq: 29 Jul 2019 16:14

Tgt Ion:240 Resp: 418121  
 Ion Ratio Lower Upper  
 240 100  
 120 11.4 9.4 14.0  
 236 27.2 22.3 33.5



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: 73.061 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF115834.D

Acq: 29 Jul 2019 16:14

Instrument :

BNA\_F

ClientSampleId :

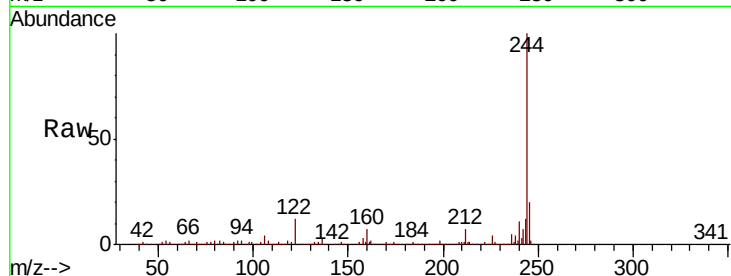
Tot Ion:244 Resp: 1655583

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

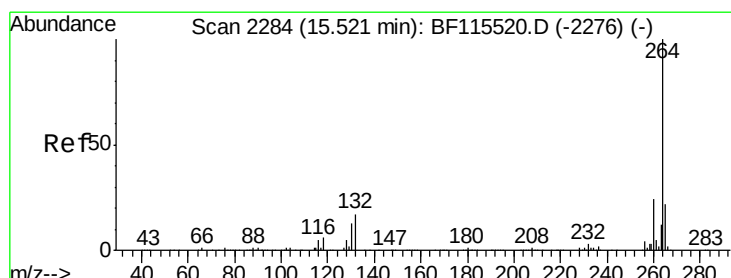
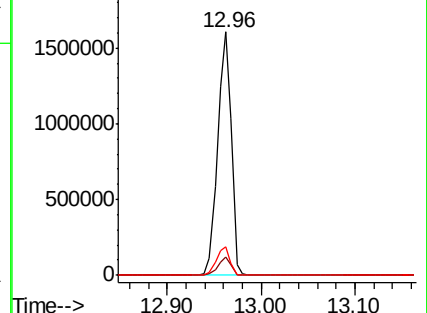
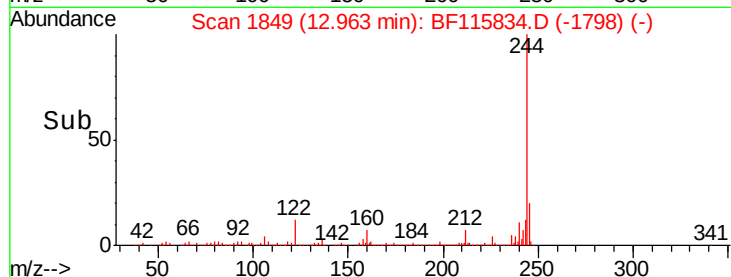
122 11.6 9.3 13.9



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: 15.48 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BF115834.D

Acq: 29 Jul 2019 16:14

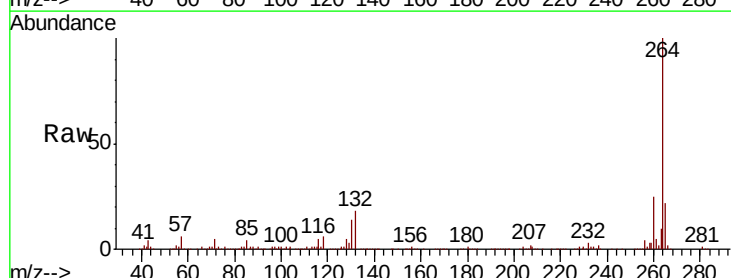
Tgt Ion:264 Resp: 388390

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.6

265 21.7 17.7 26.5



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

