

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\  
 Data File : BF119923.D  
 Acq On : 13 Apr 2020 19:02  
 Operator : MA/SJ  
 Sample : L2215-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 14 00:42:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 13 13:37:50 2020  
 Response via : Initial Calibration

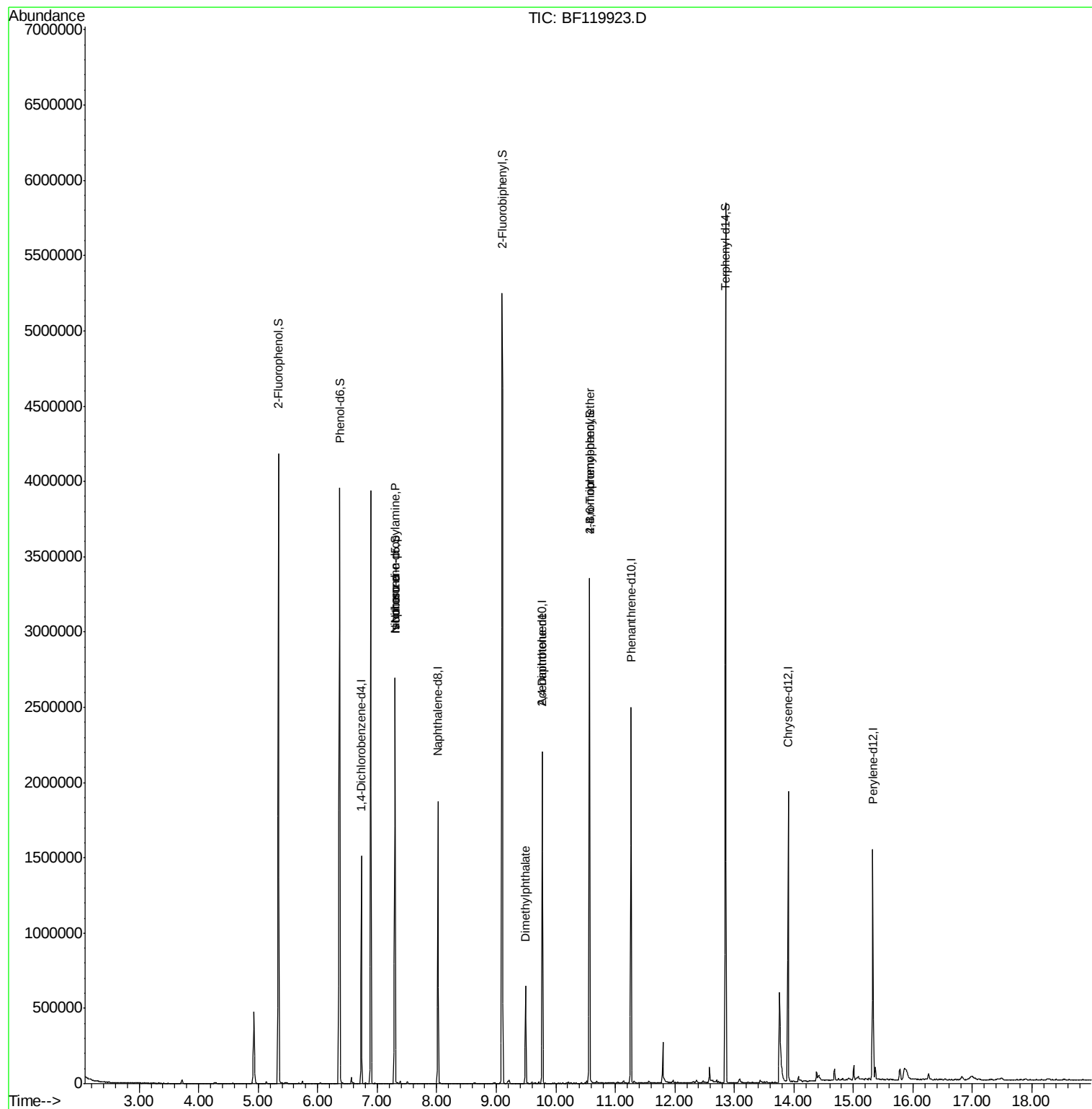
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 213149   | 20.00     | ng    | 0.00       |
| 21) Naphthalene-d8             | 8.02  | 136  | 813100   | 20.00     | ng    | 0.00       |
| 39) Acenaphthene-d10           | 9.77  | 164  | 427127   | 20.00     | ng    | 0.00       |
| 64) Phenanthrene-d10           | 11.26 | 188  | 842875   | 20.00     | ng    | 0.00       |
| 76) Chrysene-d12               | 13.90 | 240  | 689487   | 20.00     | ng    | 0.00       |
| 87) Perylene-d12               | 15.33 | 264  | 671853   | 20.00     | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.35  | 112  | 1083518  | 87.85     | ng    | 0.00       |
| 7) Phenol-d6                   | 6.37  | 99   | 1443553  | 90.83     | ng    | -0.01      |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 929841   | 59.16     | ng    | -0.01      |
| 42) 2,4,6-Tribromophenol       | 10.57 | 330  | 443726   | 84.85     | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 9.10  | 172  | 1813912  | 60.29     | ng    | -0.01      |
| 79) Terphenyl-d14              | 12.86 | 244  | 2193496  | 53.53     | ng    | 0.00       |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 6.37  | 77   | 1845     | Below Cal |       | Qvalue # 1 |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 118759   | 11.621    | ng    | # 76       |
| 25) Isophorone                 | 7.30  | 82   | 928217   | 30.636    | ng    | # 65       |
| 50) Dimethylphthalate          | 9.49  | 163  | 235015   | 7.114     | ng    | # 99       |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 55517    | 5.824     | ng    | # 22       |
| 67) 4-Bromophenyl-phenylether  | 10.57 | 248  | 26392    | 2.518     | ng    | # 1        |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\  
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Sample : L2215-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 13 13:37:50 2020  
Response via : Initial Calibration

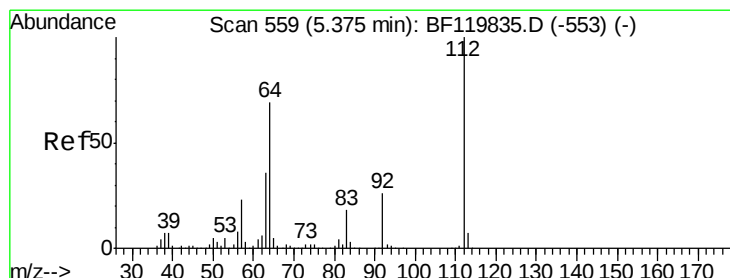
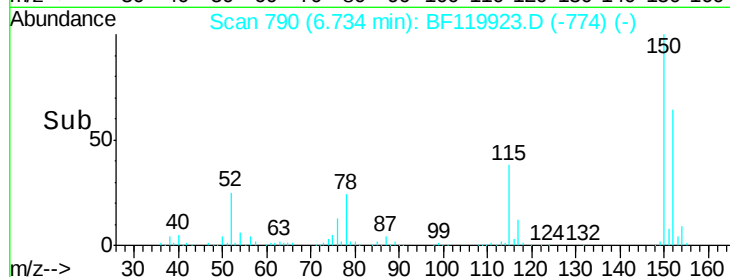
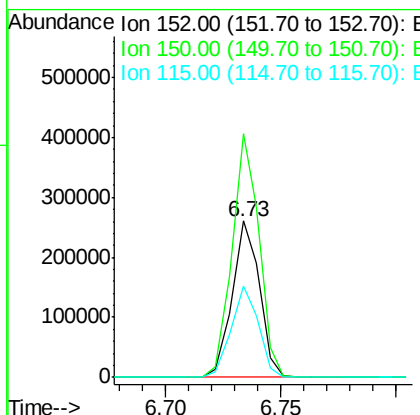
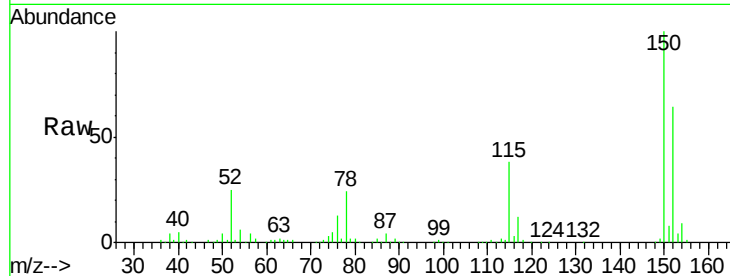




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.73 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF119923.D  
 Acq: 13 Apr 2020 19:02

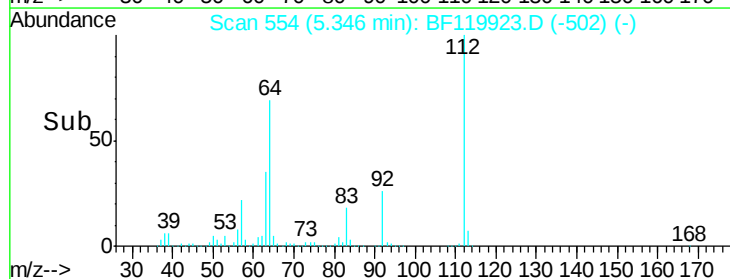
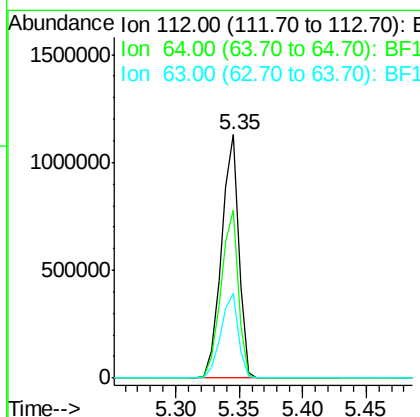
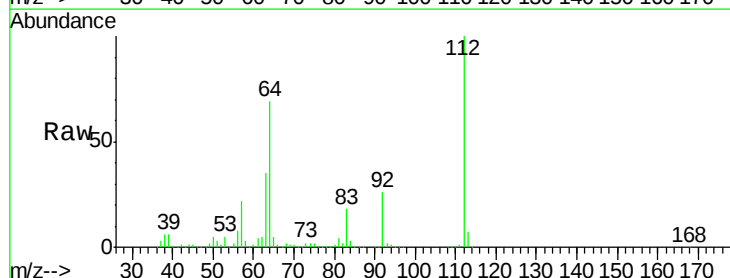
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:152 Resp: 213149  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 124.8 187.2  
 115 58.6 46.5 69.7



#5  
 2-Fluorophenol  
 Concen: 87.850 ng  
 RT: 5.35 min Scan# 554  
 Delta R.T. 0.01 min  
 Lab File: BF119923.D  
 Acq: 13 Apr 2020 19:02

Tgt Ion:112 Resp: 1083518  
 Ion Ratio Lower Upper  
 112 100  
 64 68.9 55.5 83.3  
 63 34.9 29.1 43.7





#7

Phenol-d6

Concen: 90.832 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF119923.D

Acq: 13 Apr 2020 19:02

Instrument :

BNA\_F

ClientSampleId :

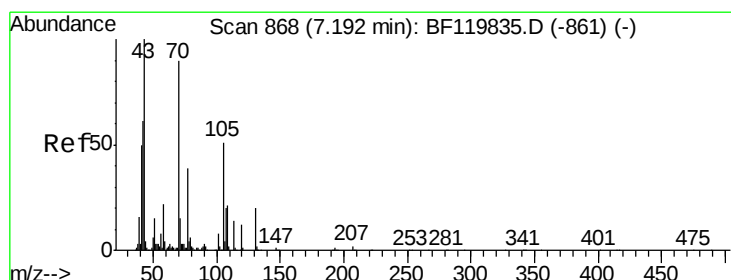
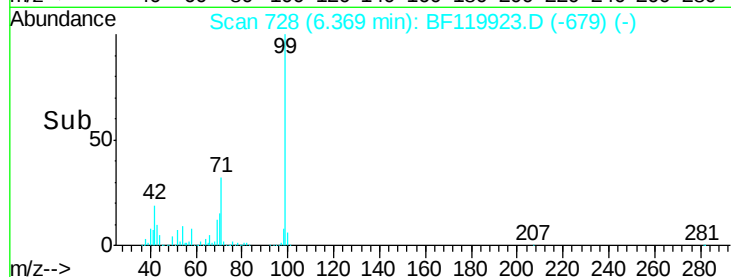
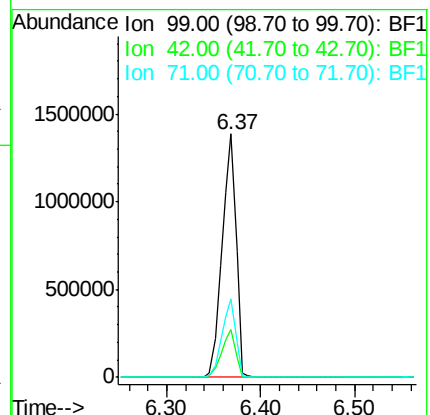
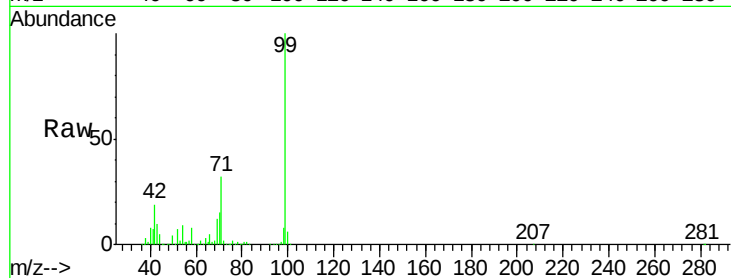
Tot Ion: 99 Resp: 1443553

Ion Ratio Lower Upper

99 100

42 19.5 16.9 25.3

71 32.3 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.621 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF119923.D

Acq: 13 Apr 2020 19:02

Tgt Ion: 70 Resp: 118759

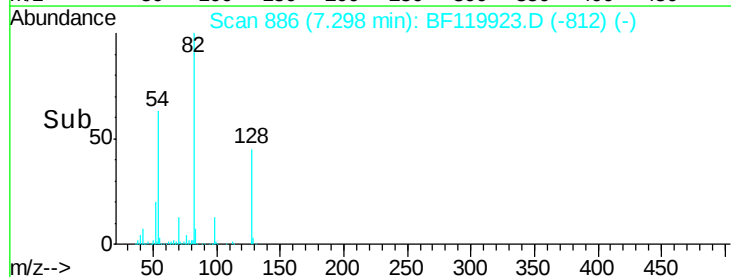
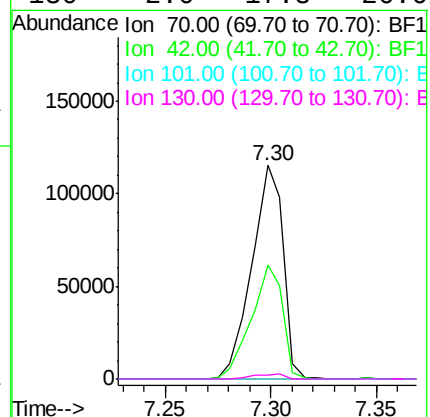
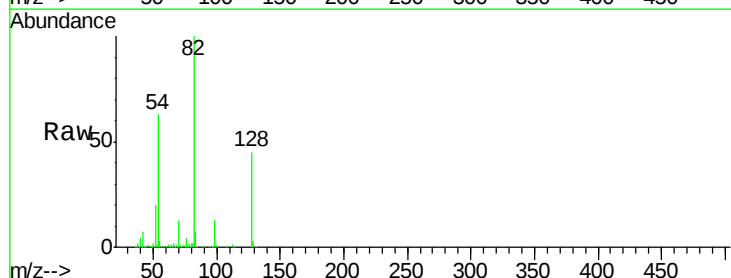
Ion Ratio Lower Upper

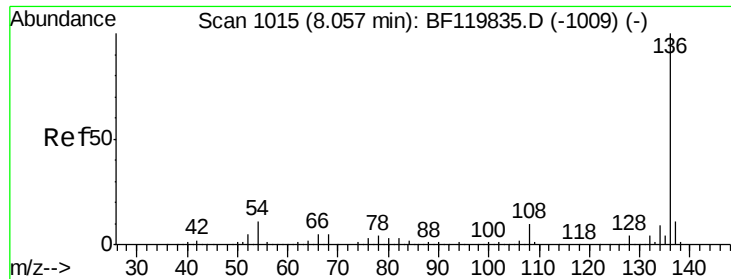
70 100

42 53.2 54.2 81.4#

101 0.0 7.4 11.2#

130 2.0 17.8 26.6#

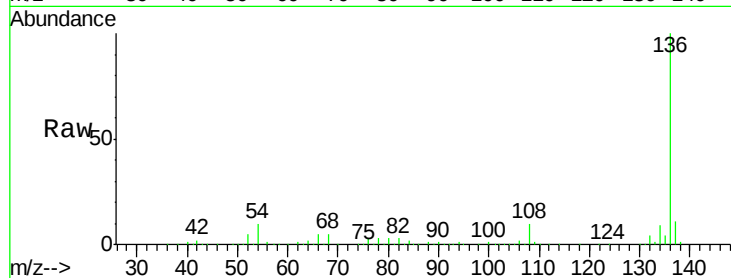




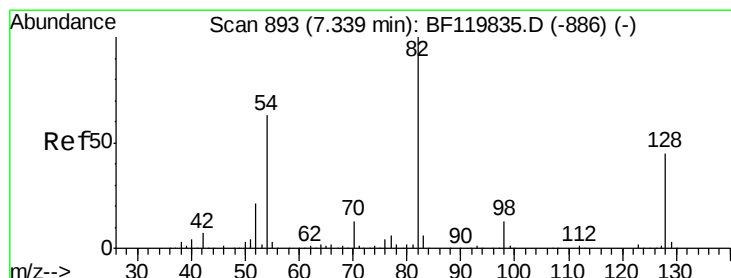
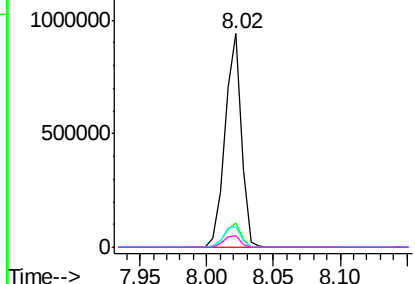
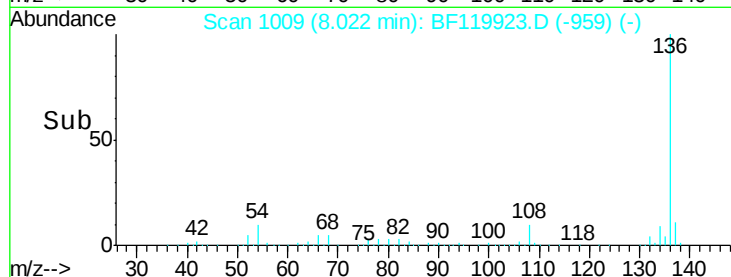
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. -0.01 min  
Lab File: BF119923.D  
Acq: 13 Apr 2020 19:02

Instrument :  
BNA\_F  
ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 813100      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.1  | 8.7 13.1    |
| 54          | 9.7   | 8.5 12.7    |
| 68          | 5.5   | 3.9 5.9     |

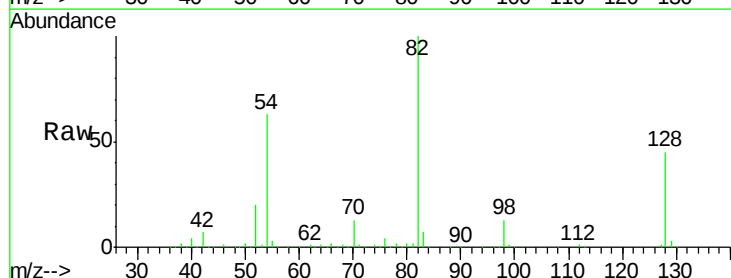


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

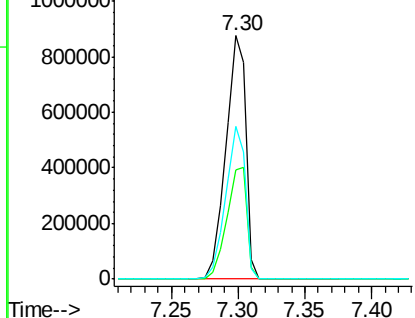
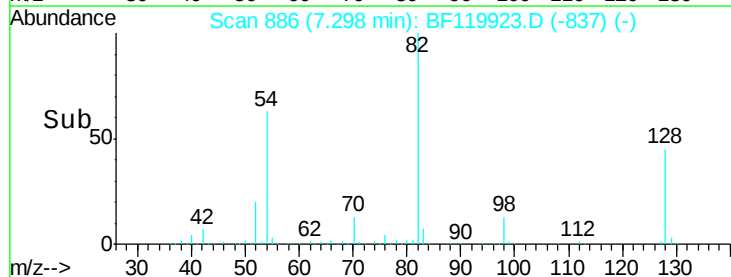


#23  
Nitrobenzene-d5  
Concen: 59.161 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF119923.D  
Acq: 13 Apr 2020 19:02

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 929841      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.0  | 36.2 54.4   |
| 54          | 62.8  | 50.4 75.6   |



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





#25

Isophorone

Concen: 30.636 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF119923.D

Acq: 13 Apr 2020 19:02

Instrument :

BNA\_F

ClientSampled :

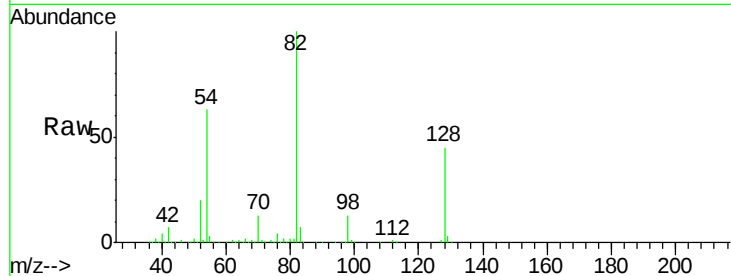
Tot Ion: 82 Resp: 928217

Ion Ratio Lower Upper

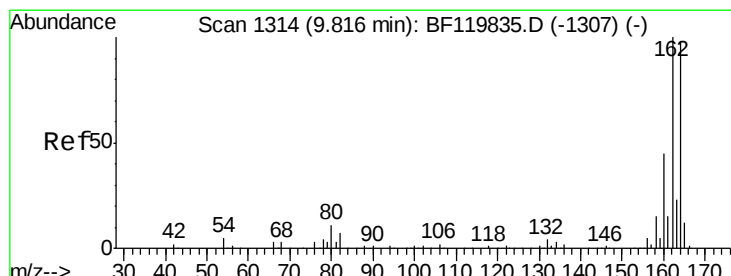
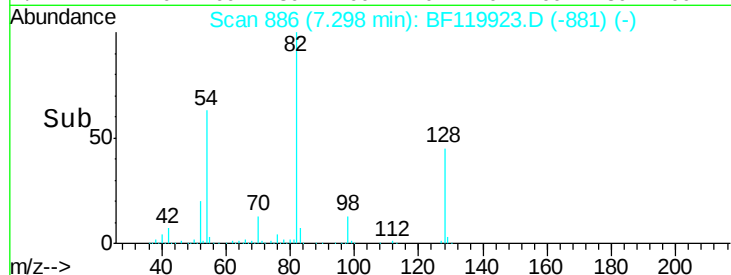
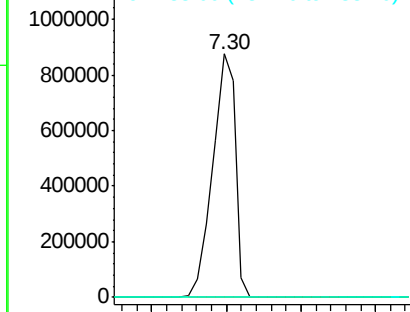
82 100

95 0.0 5.8 8.6#

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: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119923.D

Acq: 13 Apr 2020 19:02

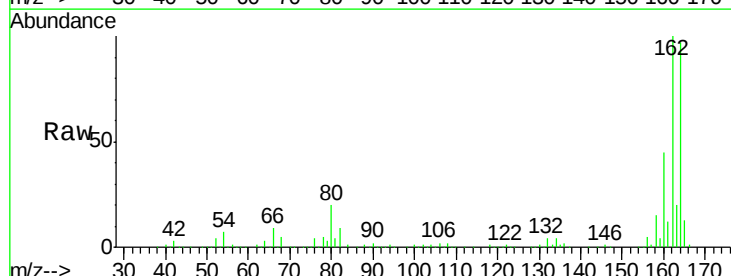
Tgt Ion: 164 Resp: 427127

Ion Ratio Lower Upper

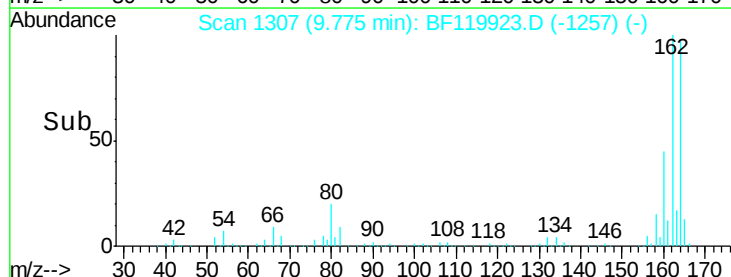
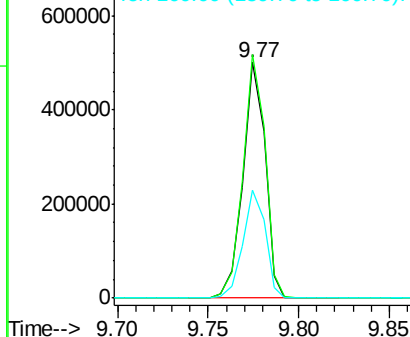
164 100

162 103.2 81.9 122.9

160 46.0 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

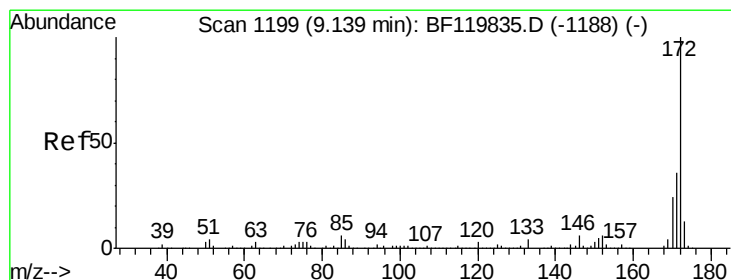
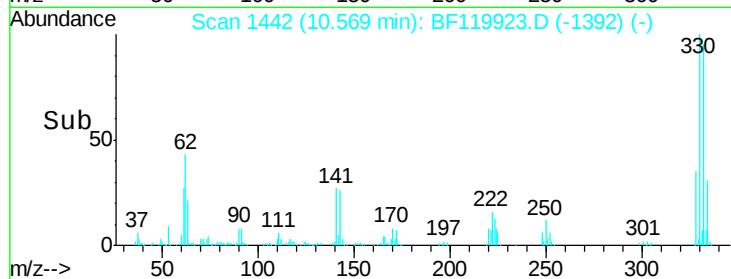
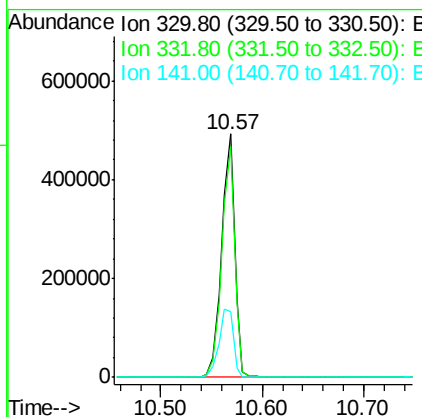
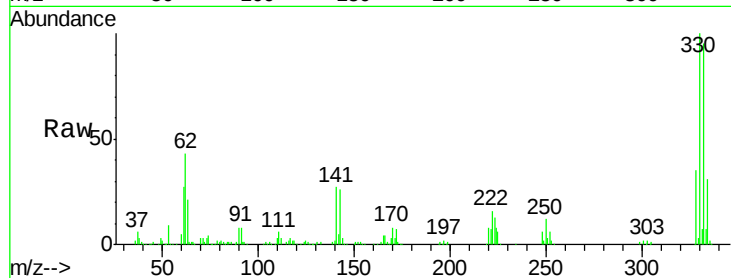




#42  
 2,4,6-Tribromophenol  
 Concen: 84.851 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF119923.D  
 Acq: 13 Apr 2020 19:02

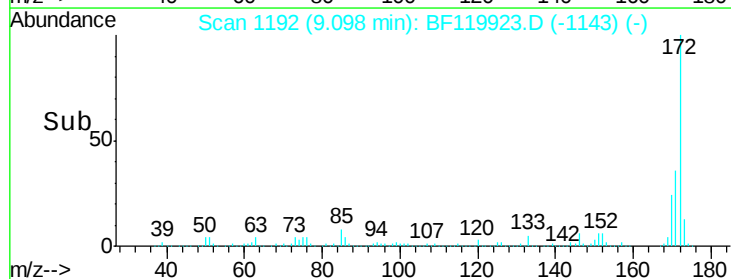
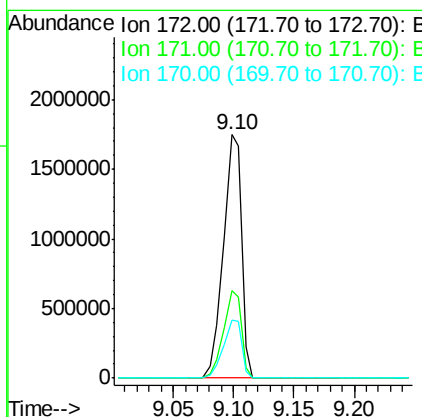
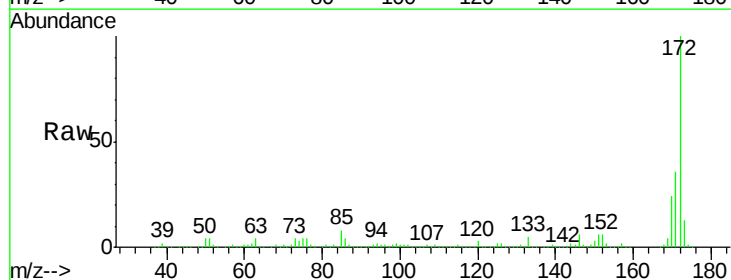
Instrument :  
 BNA\_F  
 ClientSampleId :

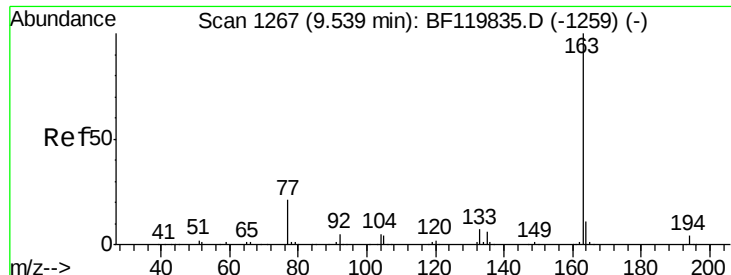
Tot Ion:330 Resp: 443726  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 76.8 115.2  
 141 31.0 25.1 37.7



#45  
 2-Fluorobiphenyl  
 Concen: 60.295 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: BF119923.D  
 Acq: 13 Apr 2020 19:02

Tgt Ion:172 Resp: 1813912  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.9 43.3  
 170 23.9 19.4 29.2

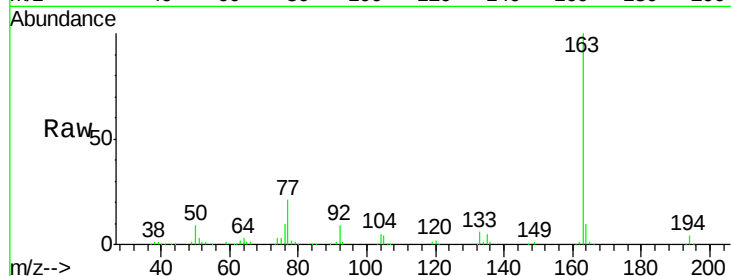




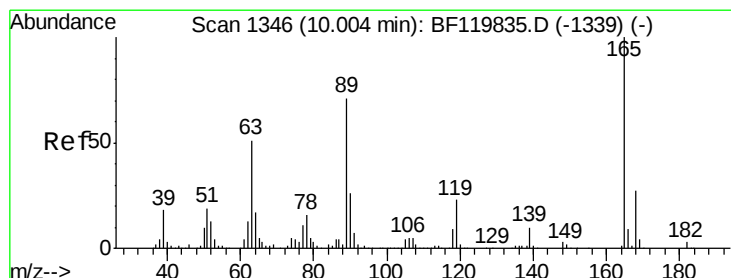
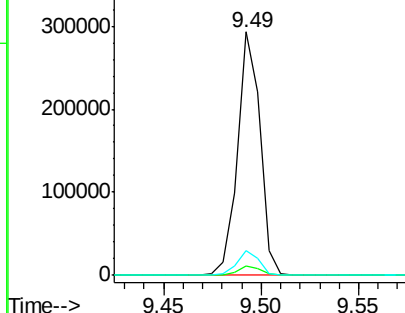
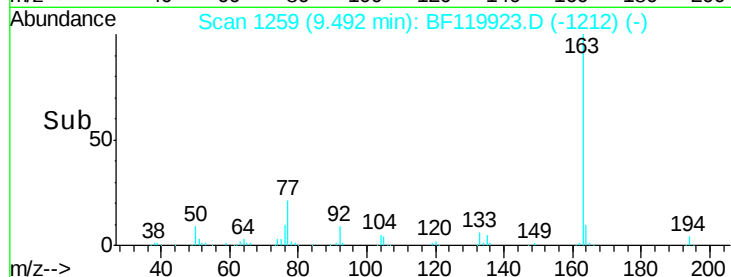
#50  
Dimethylphthalate  
Concen: 7.114 ng  
RT: 9.49 min Scan# 1259  
Delta R.T. -0.02 min  
Lab File: BF119923.D  
Acq: 13 Apr 2020 19:02

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.0   | 4.4   |
| 164     | 10.2  | 8.4   | 12.6  |

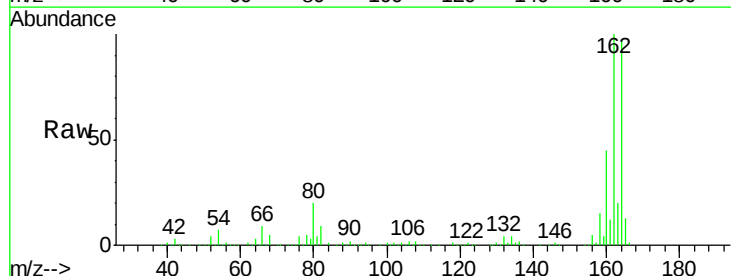


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

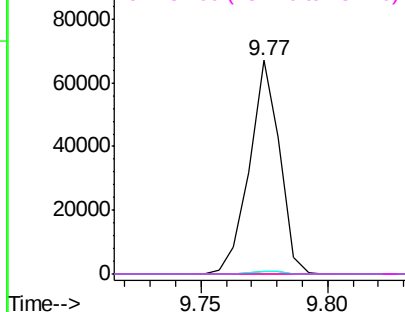
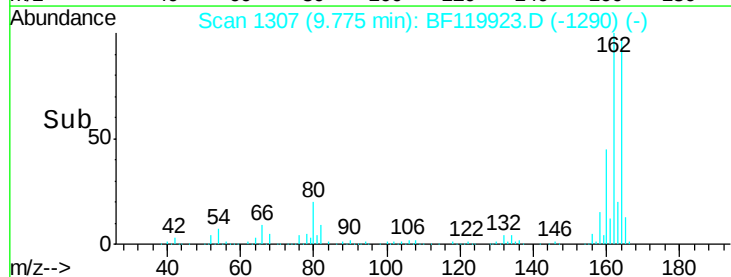


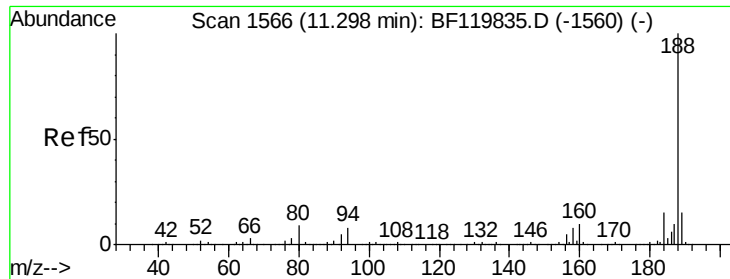
#57  
2,4-Dinitrotoluene  
Concen: 5.824 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.20 min  
Lab File: BF119923.D  
Acq: 13 Apr 2020 19:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 40.8  | 61.2# |
| 89      | 1.1   | 56.9  | 85.3# |
| 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

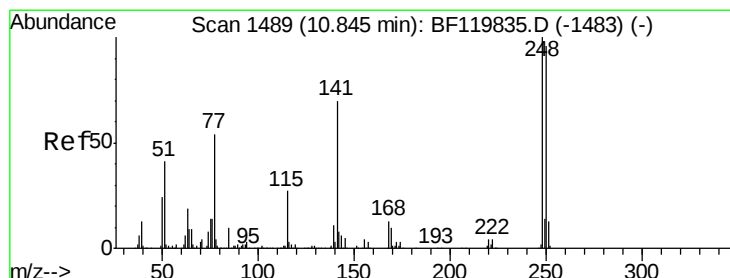
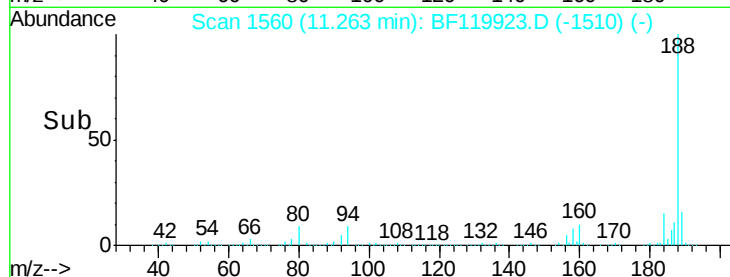
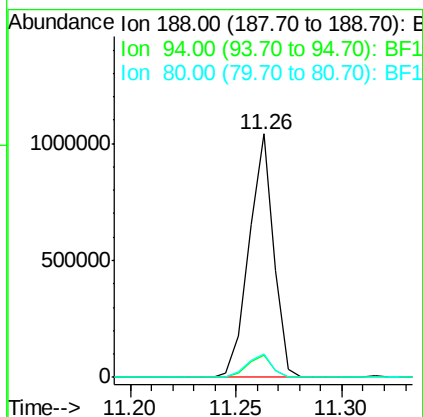
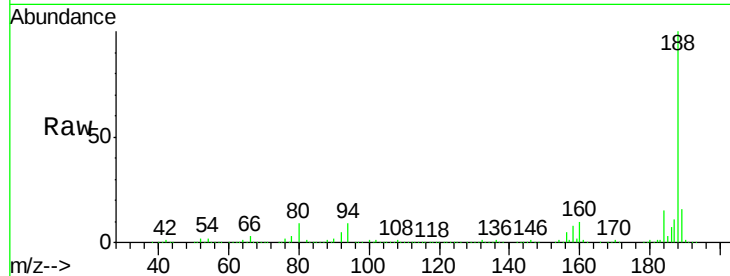




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.26 min Scan# 1560  
Delta R.T. -0.01 min  
Lab File: BF119923.D  
Acq: 13 Apr 2020 19:02

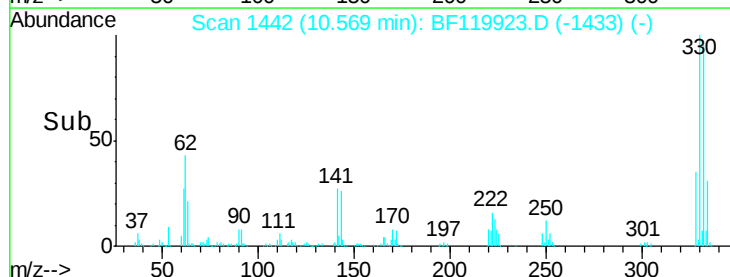
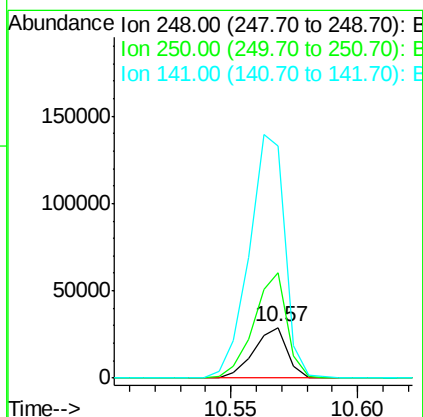
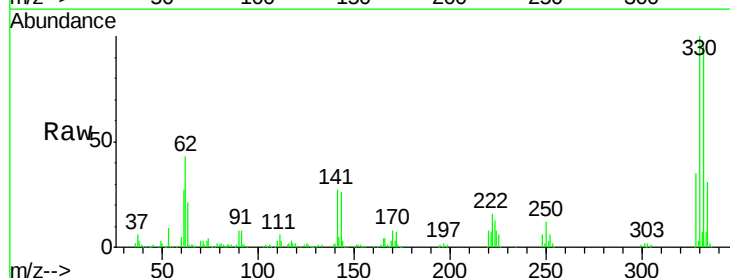
Instrument :  
BNA\_F  
ClientSampleId :

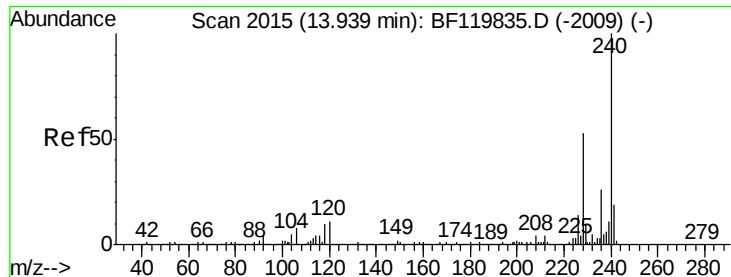
Tot Ion:188 Resp: 842875  
Ion Ratio Lower Upper  
188 100  
94 9.3 6.7 10.1  
80 9.5 7.4 11.2



#67  
4-Bromophenyl-phenylether  
Concen: 2.518 ng  
RT: 10.57 min Scan# 1442  
Delta R.T. -0.25 min  
Lab File: BF119923.D  
Acq: 13 Apr 2020 19:02

Tgt Ion:248 Resp: 26392  
Ion Ratio Lower Upper  
248 100  
250 209.8 76.6 114.8#  
141 460.6 55.9 83.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF119923.D

Acq: 13 Apr 2020 19:02

Instrument :

BNA\_F

ClientSampleId :

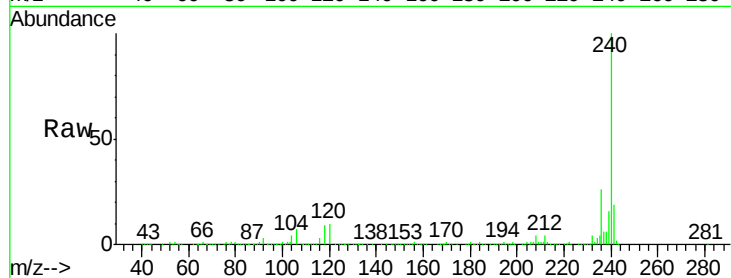
Tot Ion:240 Resp: 689487

Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.6

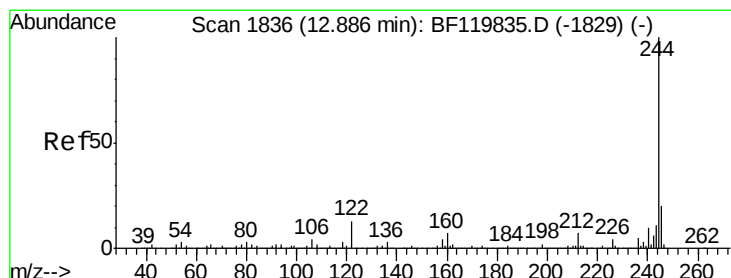
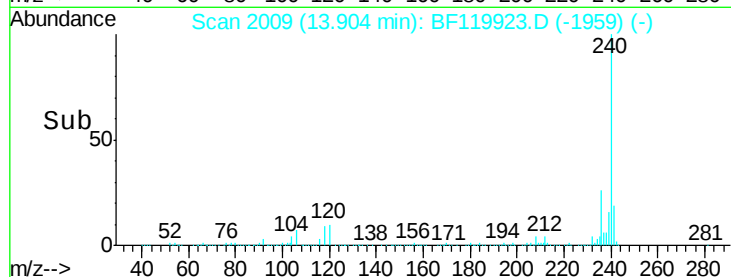
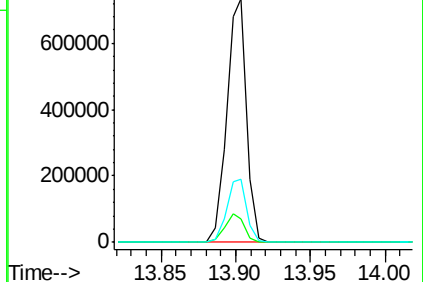
236 26.0 20.7 31.1



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: 53.531 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF119923.D

Acq: 13 Apr 2020 19:02

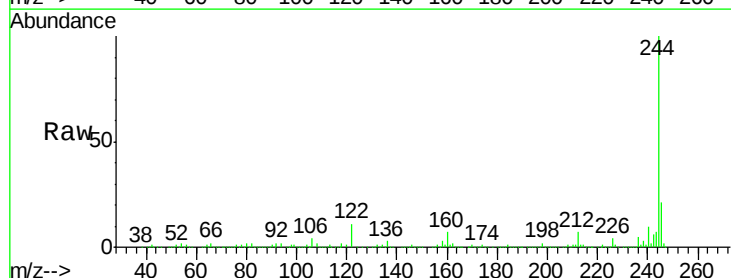
Tgt Ion:244 Resp: 2193496

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

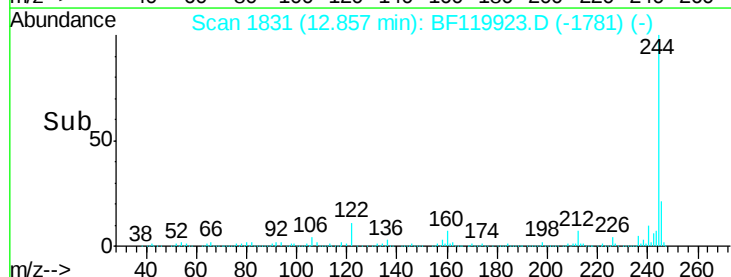
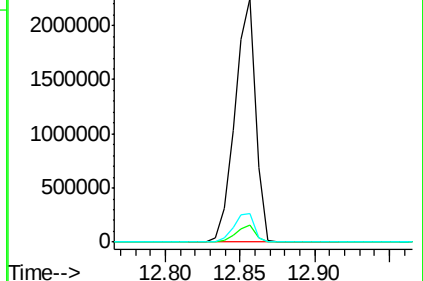
122 11.5 10.3 15.5

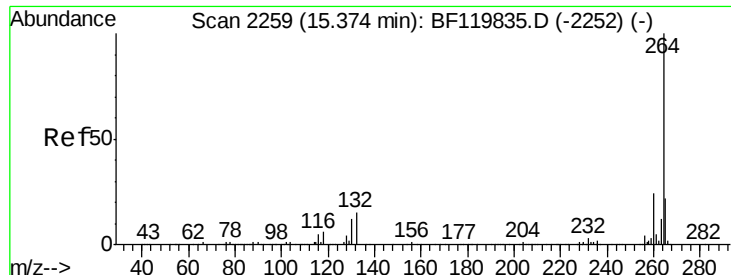


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

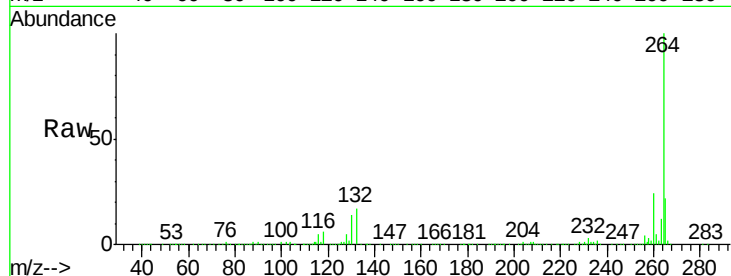




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.33 min Scan# 2251  
Delta R.T. -0.01 min  
Lab File: BF119923.D  
Acq: 13 Apr 2020 19:02

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.3  | 28.9  |
| 265     | 22.0  | 17.6  | 26.4  |



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

