

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051119\  
 Data File : BF114181.D  
 Acq On : 12 May 2019 3:57  
 Operator : JU/SJ  
 Sample : K2762-04  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS001-0002-02

Quant Time: May 12 06:00:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 15:56:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 269981   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 1006681  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.88  | 164  | 461030   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 816003   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.01 | 240  | 647737   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.48 | 264  | 644950   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.48  | 112  | 1487302  | 88.65 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 1955969  | 98.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 1176545  | 65.59 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 413209   | 86.69 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1534197  | 50.34 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.95 | 244  | 1261135  | 40.14 | ng    | 0.00     |

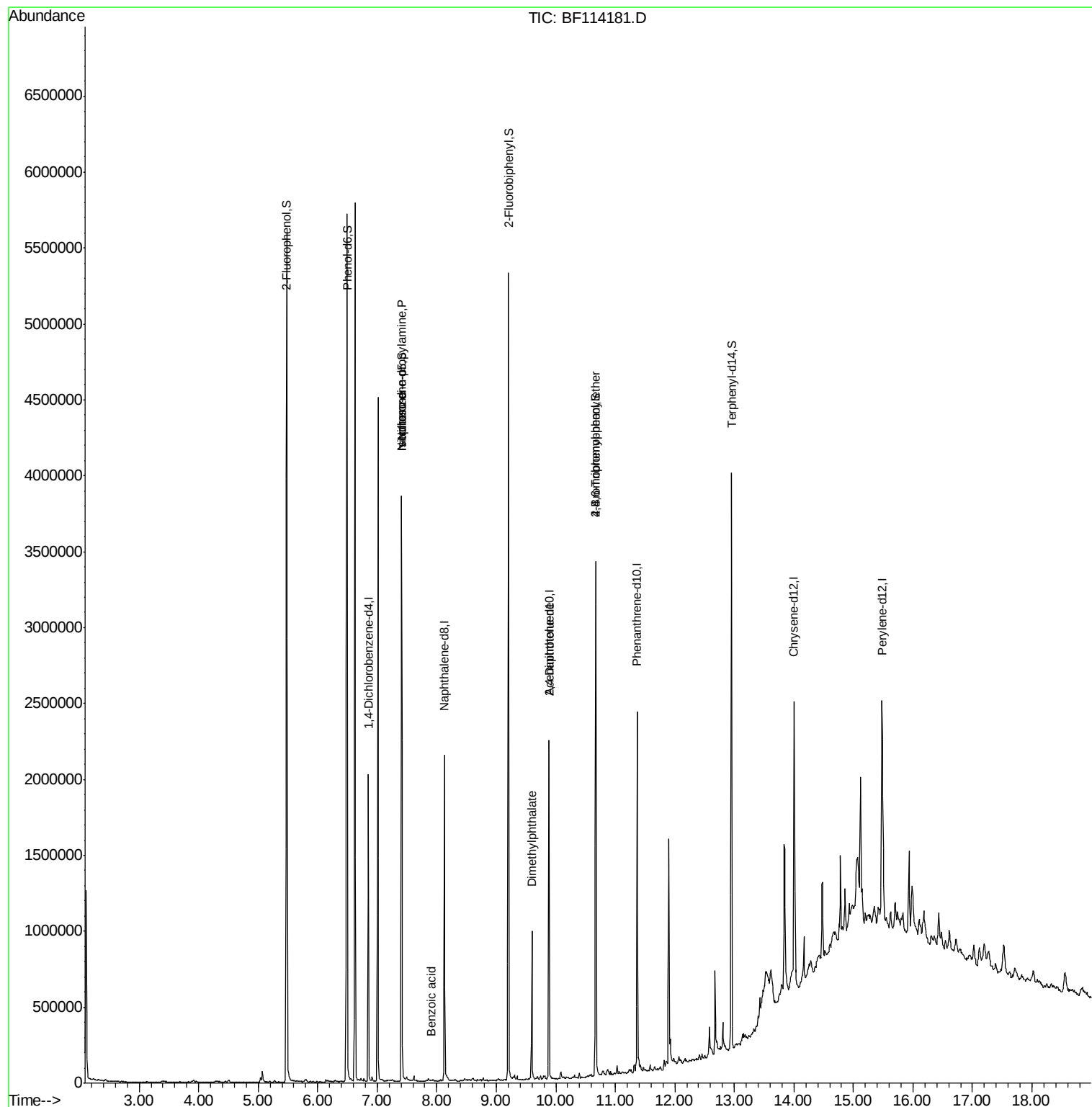
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 154726   | 12.302 | ng    | # 77   |
| 25) Isophorone                 | 7.41  | 82   | 1170008  | 35.169 | ng    | # 64   |
| 32) Benzoic acid               | 7.90  | 122  | 152      | 7.034  | ng    | # 1    |
| 50) Dimethylphthalate          | 9.60  | 163  | 390322   | 11.533 | ng    | 99     |
| 57) 2,4-Dinitrotoluene         | 9.88  | 165  | 59847    | 5.874  | ng    | # 25   |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 26517    | 2.951  | ng    | # 1    |

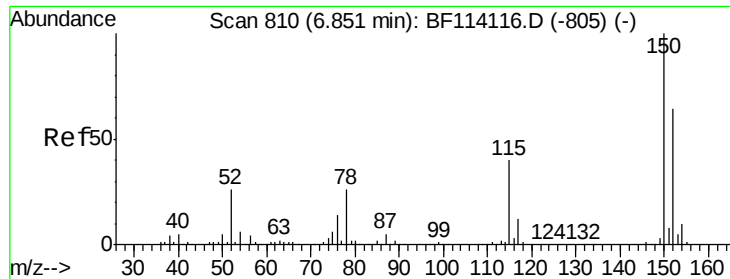
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051119\  
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Instrument :  
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Quant Time: May 12 06:00:21 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 10 15:56:46 2019  
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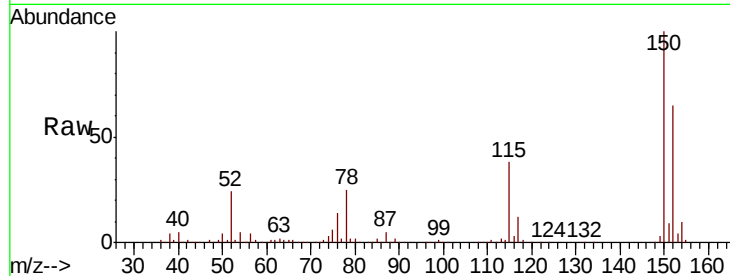


#1

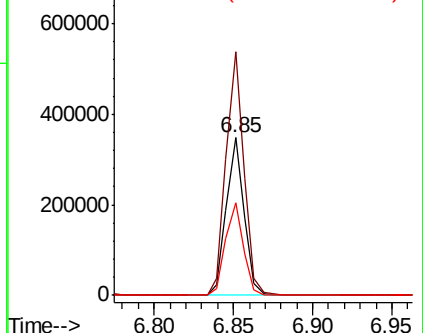
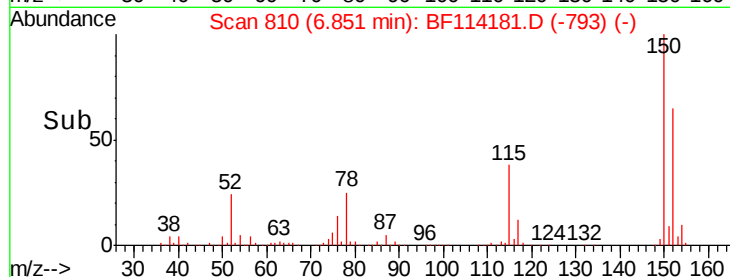
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.00 min  
 Lab File: BF114181.D  
 Acq: 12 May 2019 3:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS001-0002-02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.3 | 124.3 | 186.5 |
| 115     | 58.7  | 49.1  | 73.7  |



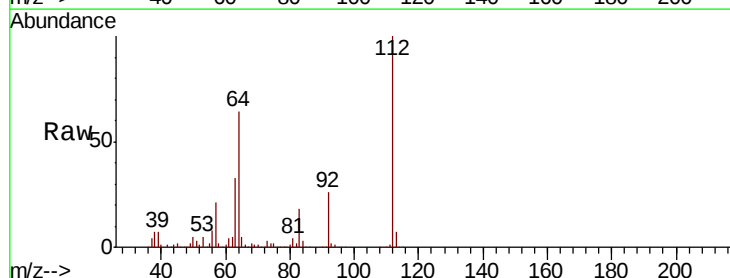
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



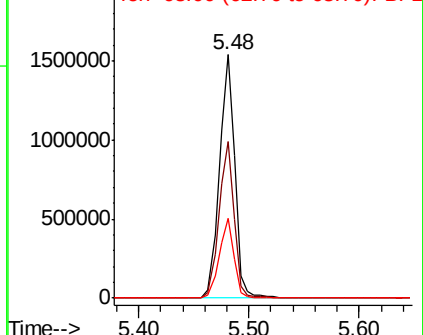
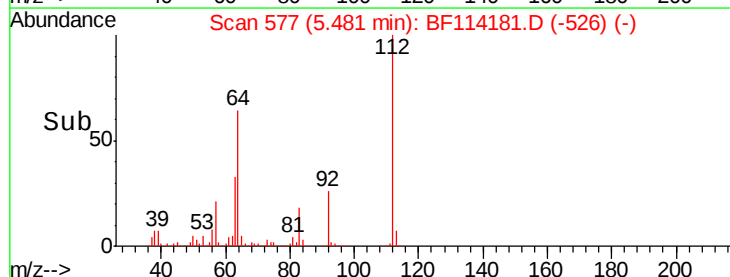
#5

2-Fluorophenol  
 Concen: 88.653 ng  
 RT: 5.48 min Scan# 577  
 Delta R.T. 0.00 min  
 Lab File: BF114181.D  
 Acq: 12 May 2019 3:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.4  | 49.0  | 73.6  |
| 63      | 32.6  | 24.6  | 37.0  |



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: 98.576 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

Instrument :

BNA\_F

ClientSampleId :

P021-SS001-0002-02

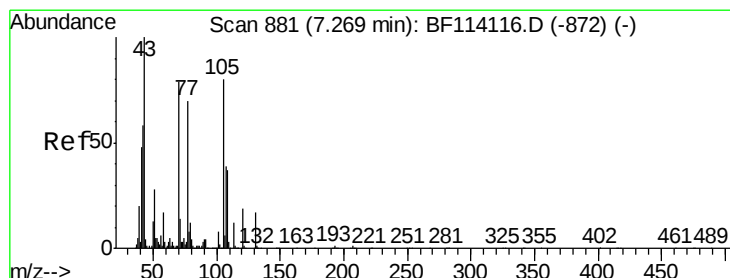
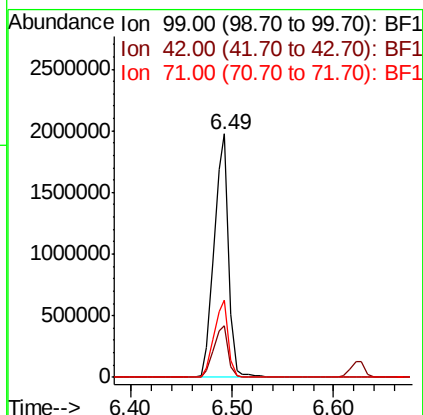
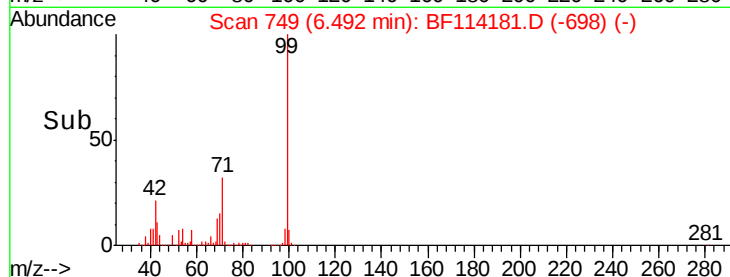
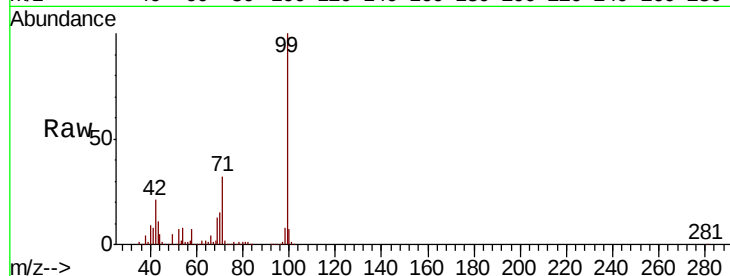
Tgt Ion: 99 Resp: 1955969

Ion Ratio Lower Upper

99 100

42 21.1 17.9 26.9

71 31.8 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.302 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

Tgt Ion: 70 Resp: 154726

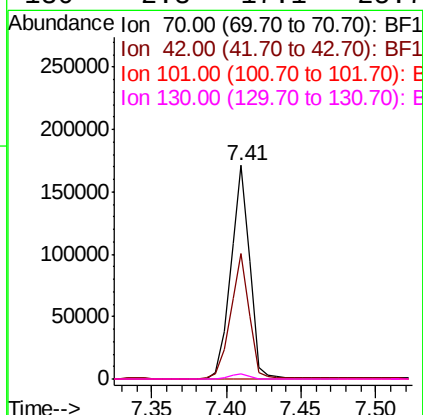
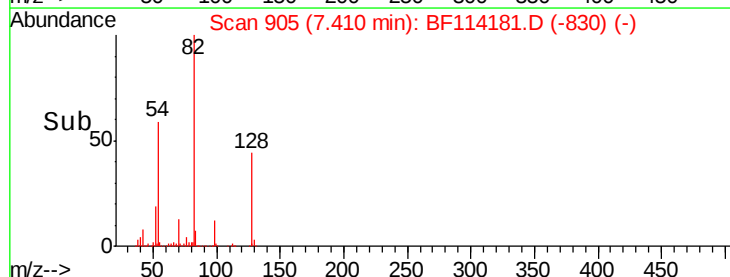
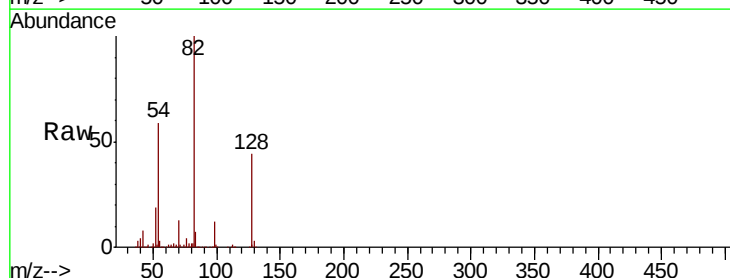
Ion Ratio Lower Upper

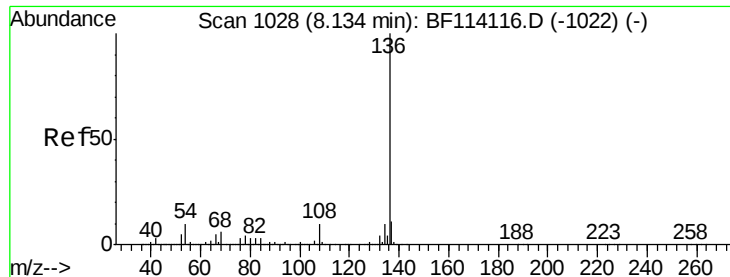
70 100

42 58.6 58.6 87.8

101 0.0 7.8 11.8#

130 2.3 17.1 25.7#



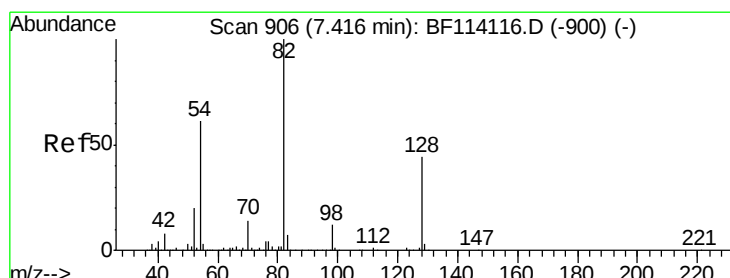
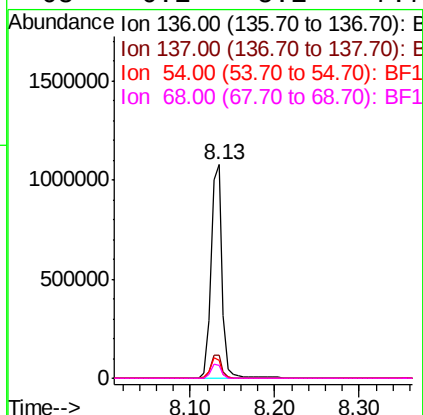
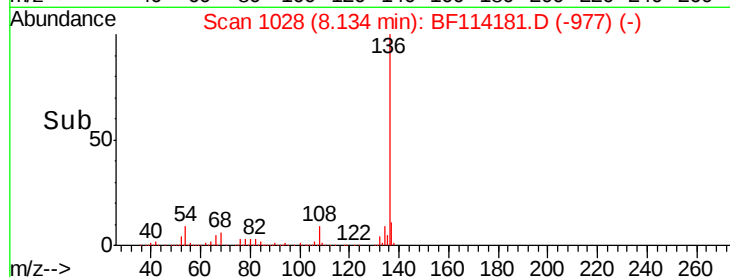
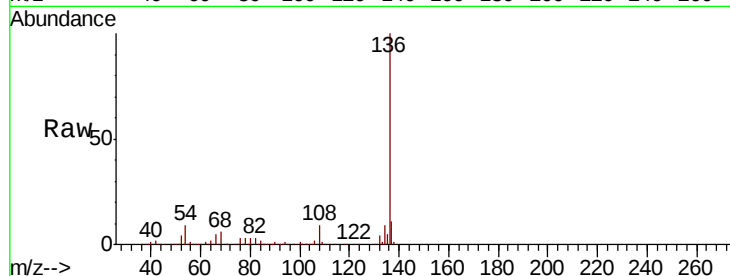


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BF114181.D  
Acq: 12 May 2019 3:57

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0002-02

Tgt Ion: 136 Resp: 1006681

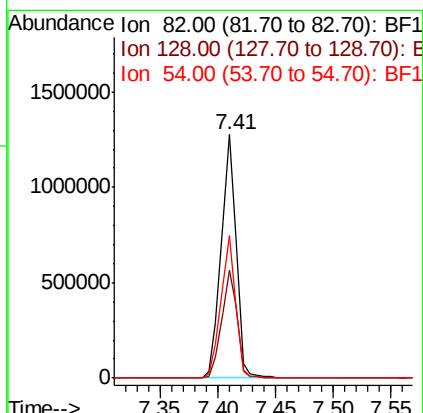
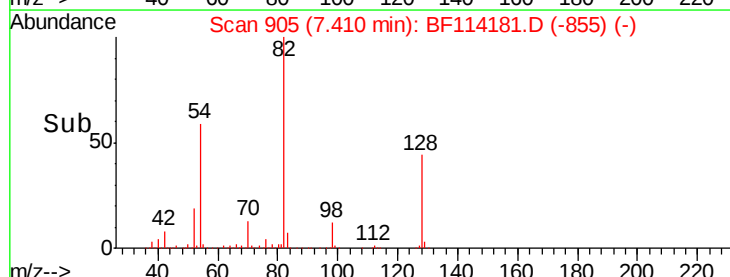
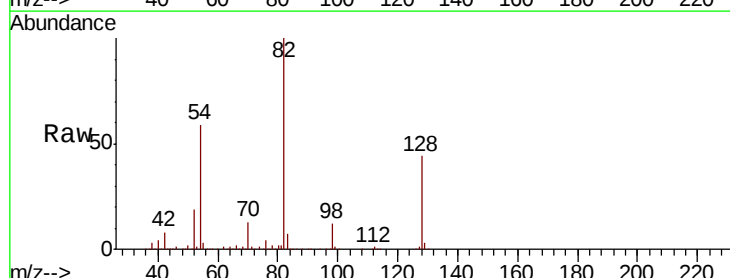
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 8.7   | 7.8   | 11.8  |
| 68  | 6.1   | 5.1   | 7.7   |



#23  
Nitrobenzene-d5  
Concen: 65.590 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF114181.D  
Acq: 12 May 2019 3:57

Tgt Ion: 82 Resp: 1176545

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.4  | 35.5  | 53.3  |
| 54  | 58.8  | 48.5  | 72.7  |

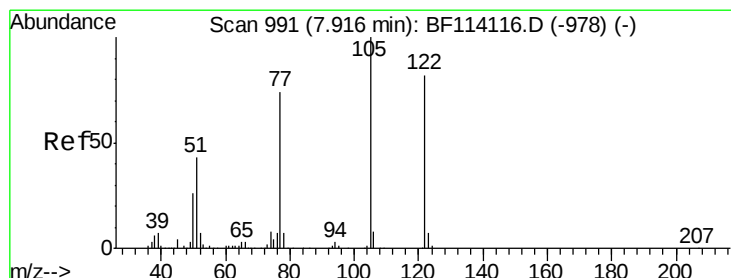
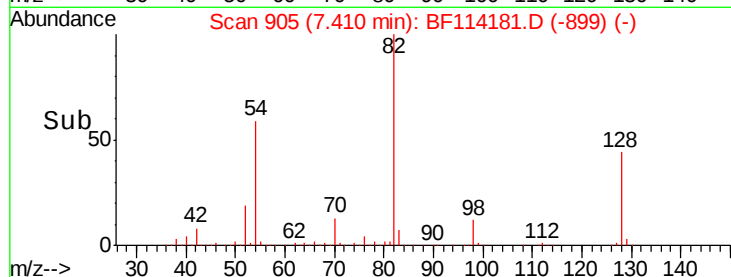
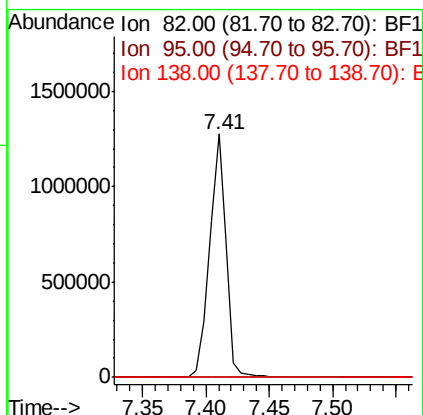
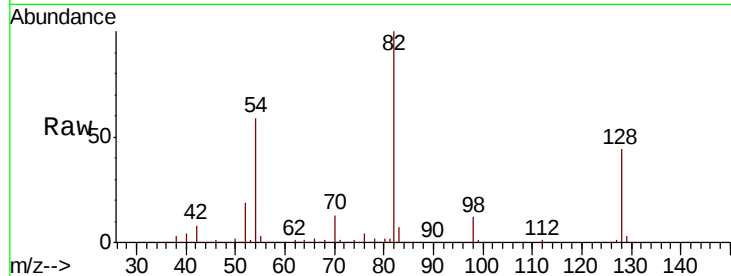




#25  
Isophorone  
Concen: 35.169 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.26 min  
Lab File: BF114181.D  
Acq: 12 May 2019 3:57

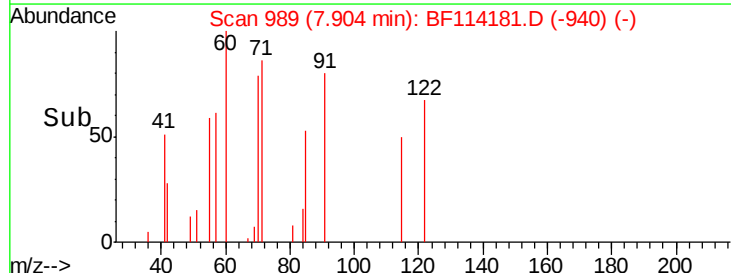
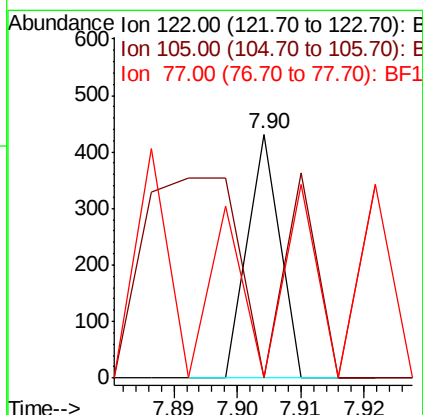
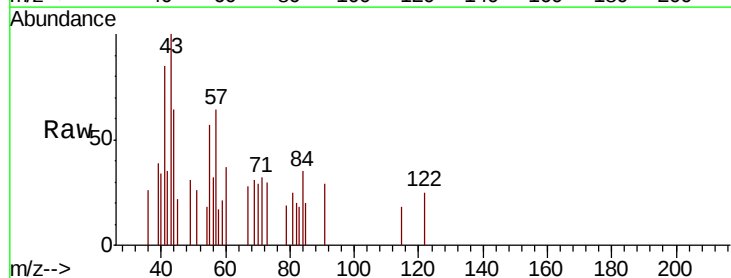
Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0002-02

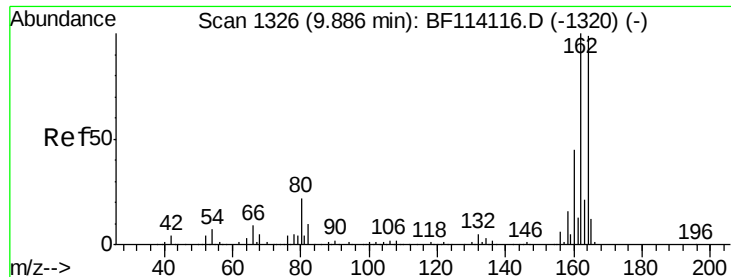
Tgt Ion: 82 Resp: 1170008  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.8 22.2#



#32  
Benzoic acid  
Concen: 7.034 ng  
RT: 7.90 min Scan# 989  
Delta R.T. -0.01 min  
Lab File: BF114181.D  
Acq: 12 May 2019 3:57

Tgt Ion: 122 Resp: 152  
Ion Ratio Lower Upper  
122 100  
105 0.0 99.9 139.9#  
77 0.0 69.4 109.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

Instrument :

BNA\_F

ClientSampleId :

P021-SS001-0002-02

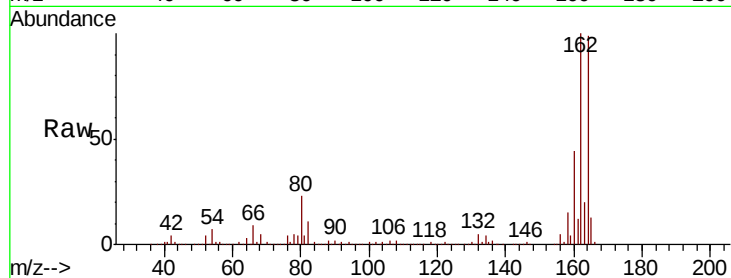
Tgt Ion:164 Resp: 461030

Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

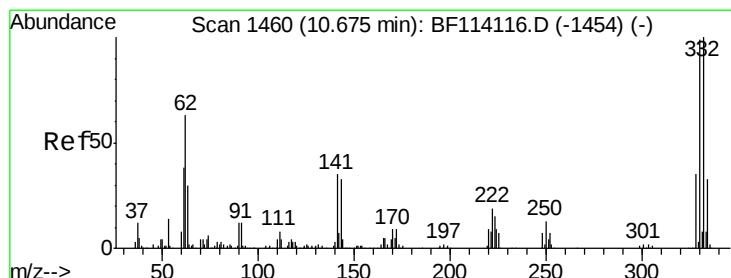
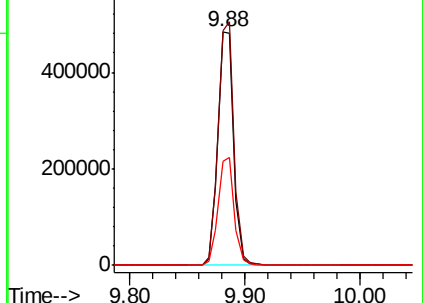
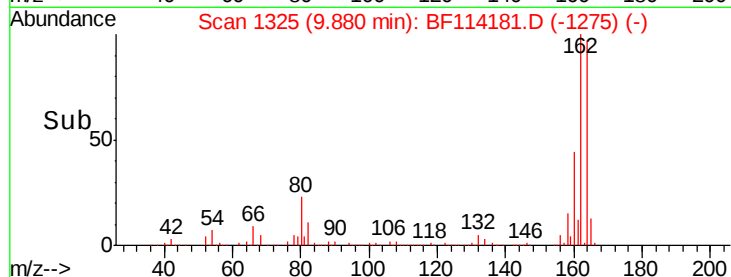
160 44.3 36.5 54.7



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: 86.694 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

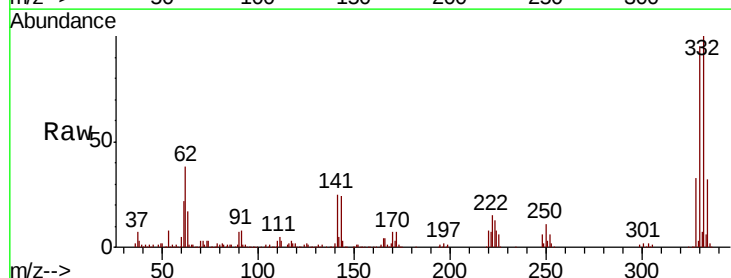
Tgt Ion:330 Resp: 413209

Ion Ratio Lower Upper

330 100

332 102.9 81.4 122.2

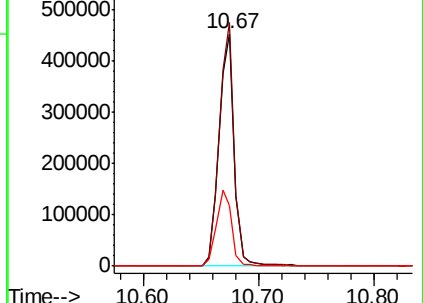
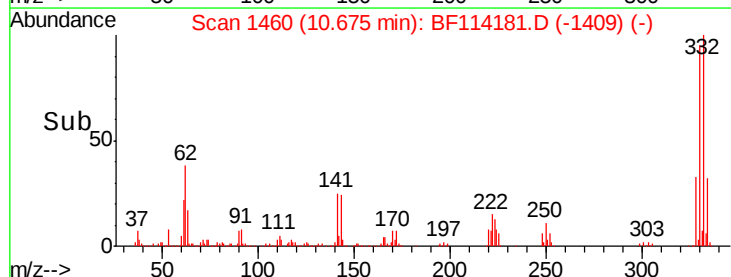
141 33.0 26.6 40.0

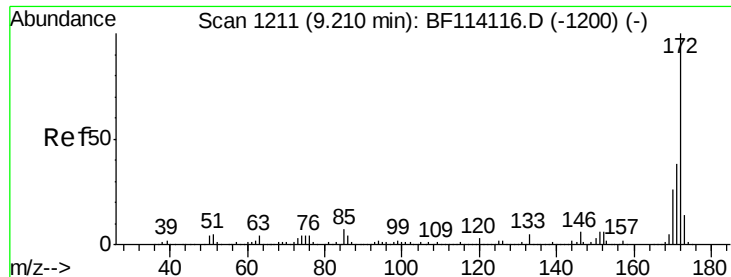


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 50.338 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

Instrument :

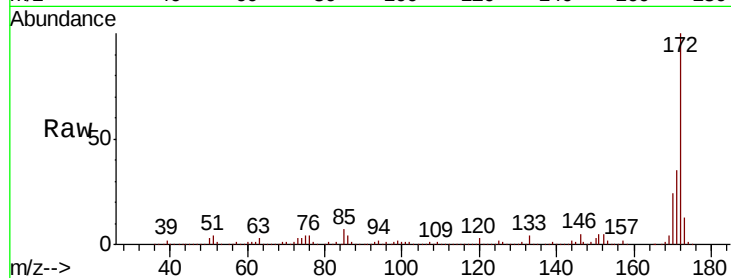
BNA\_F

ClientSampleId :

P021-SS001-0002-02

Tgt Ion:172 Resp: 1534197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.4  | 30.7  | 46.1  |
| 170 | 24.2  | 20.5  | 30.7  |

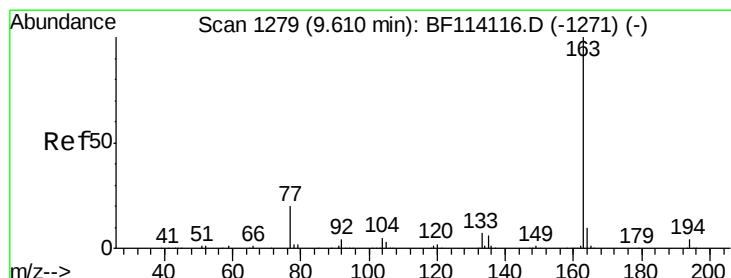
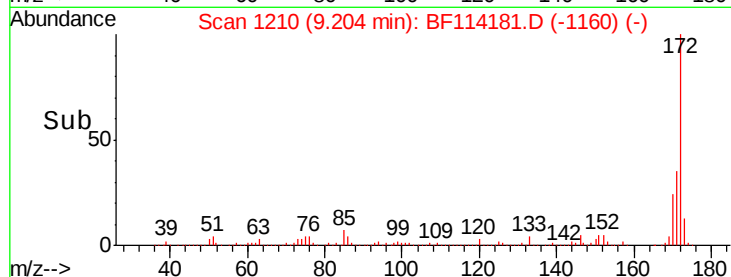
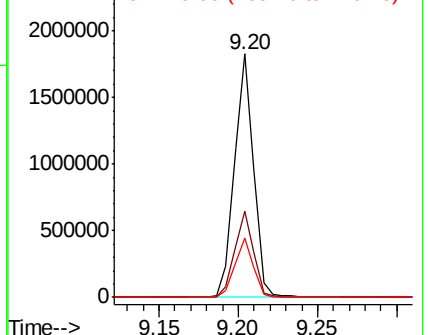


Abundance

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: 11.533 ng

RT: 9.60 min Scan# 1277

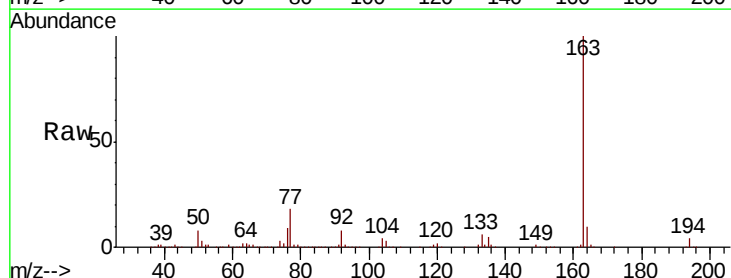
Delta R.T. -0.01 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

Tgt Ion:163 Resp: 390322

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 3.4   | 5.0   |
| 164 | 9.8   | 8.2   | 12.2  |

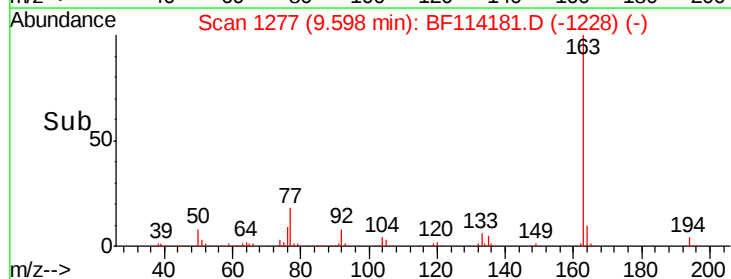
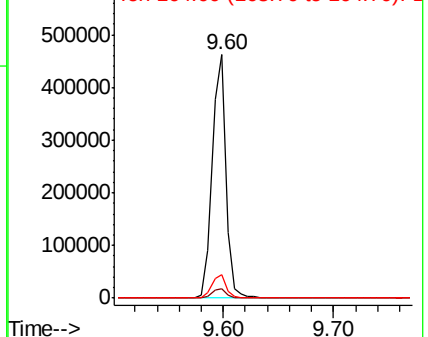


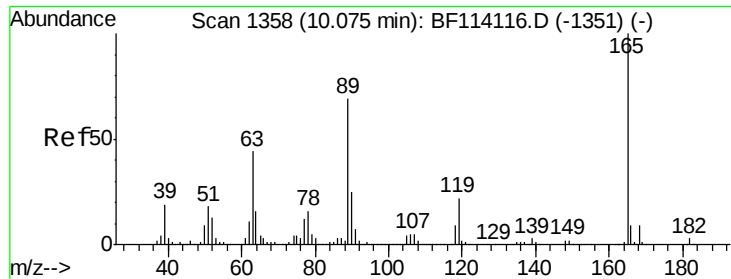
Abundance

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

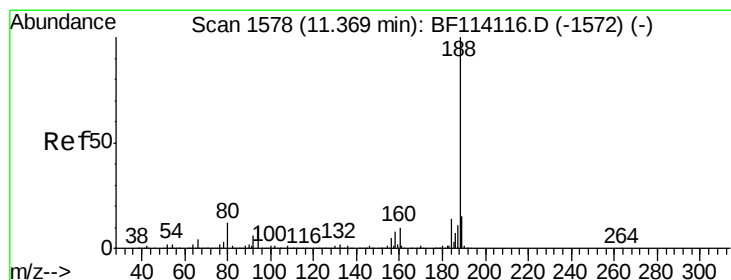
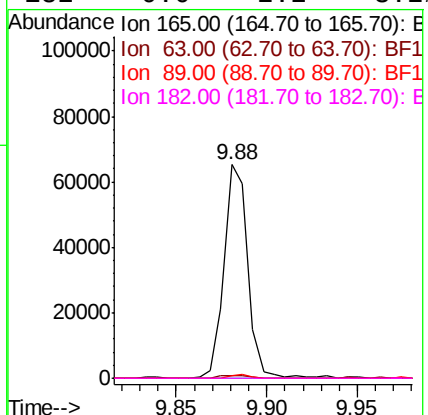
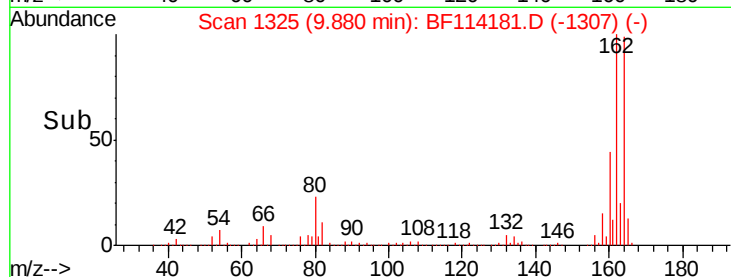
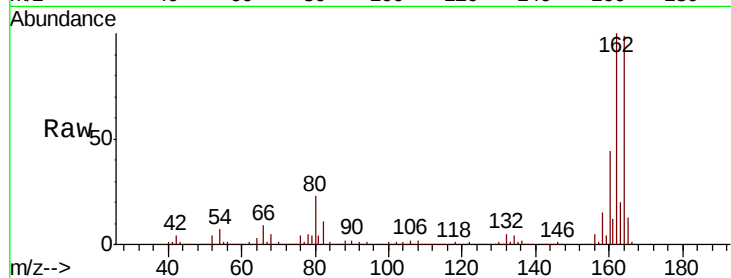




#57  
2,4-Dinitrotoluene  
Concen: 5.874 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.19 min  
Lab File: BF114181.D  
Acq: 12 May 2019 3:57

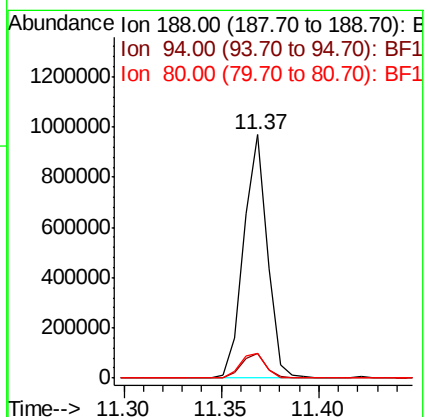
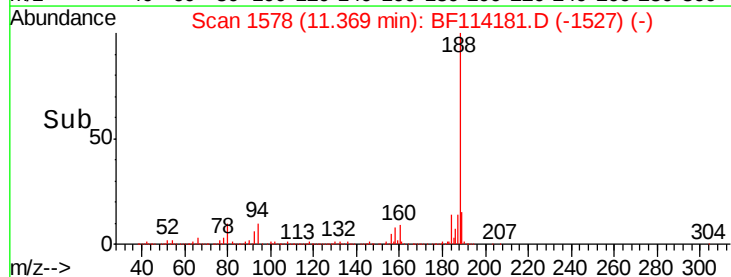
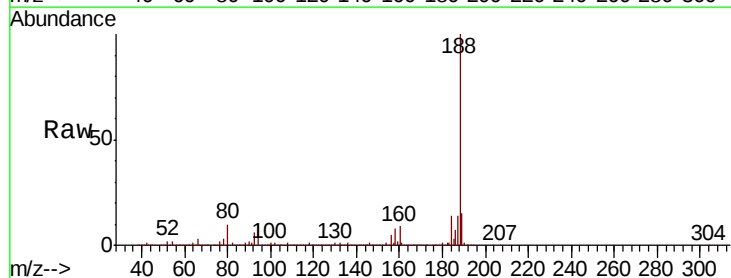
Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0002-02

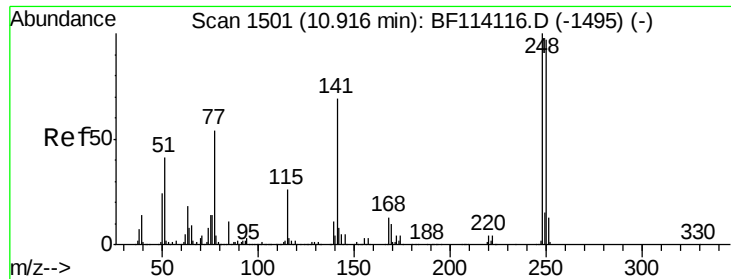
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 35.5  | 53.3# |
| 89      | 1.0   | 55.2  | 82.8# |
| 182     | 0.0   | 2.2   | 3.2#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: BF114181.D  
Acq: 12 May 2019 3:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.1  | 8.4   | 12.6  |
| 80      | 10.4  | 9.2   | 13.8  |

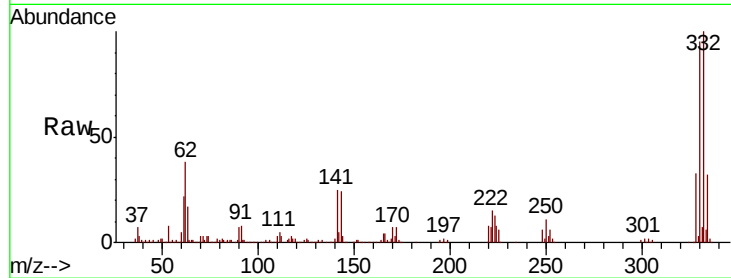




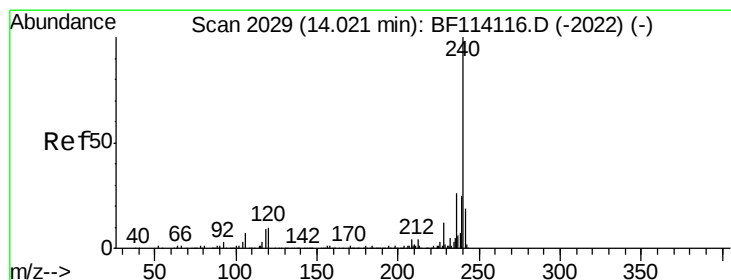
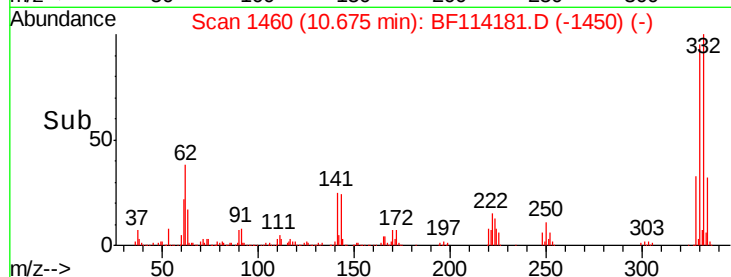
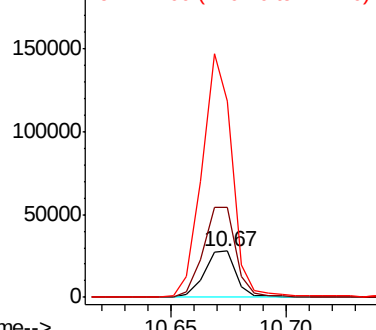
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.951 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.24 min  
 Lab File: BF114181.D  
 Acq: 12 May 2019 3:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS001-0002-02

Tgt Ion:248 Resp: 26517  
 Ion Ratio Lower Upper  
 248 100  
 250 195.6 77.4 116.2#  
 141 426.9 55.6 83.4#

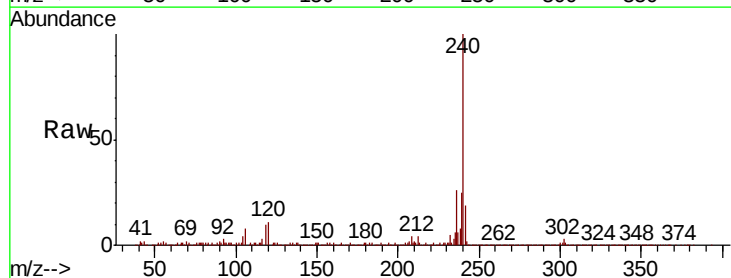


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

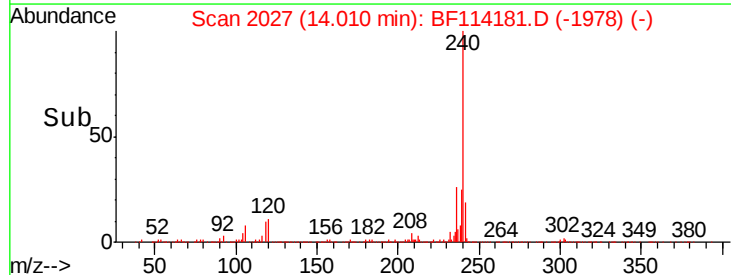
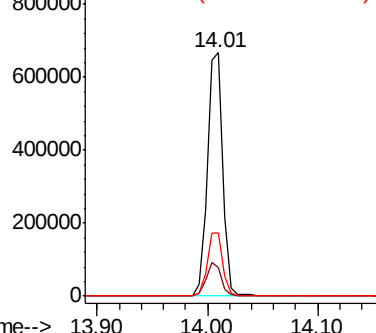


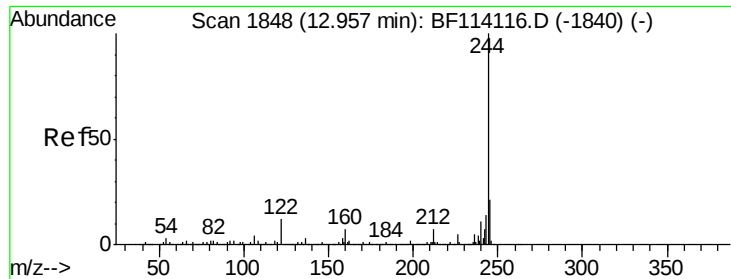
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. -0.01 min  
 Lab File: BF114181.D  
 Acq: 12 May 2019 3:57

Tgt Ion:240 Resp: 647737  
 Ion Ratio Lower Upper  
 240 100  
 120 11.5 8.3 12.5  
 236 25.7 20.8 31.2



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: 40.136 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

Instrument :

BNA\_F

ClientSampleId :

P021-SS001-0002-02

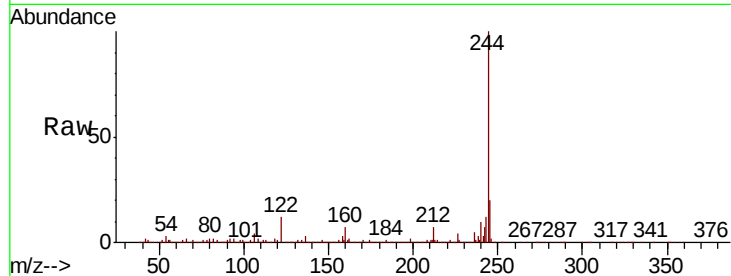
Tgt Ion:244 Resp: 1261135

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

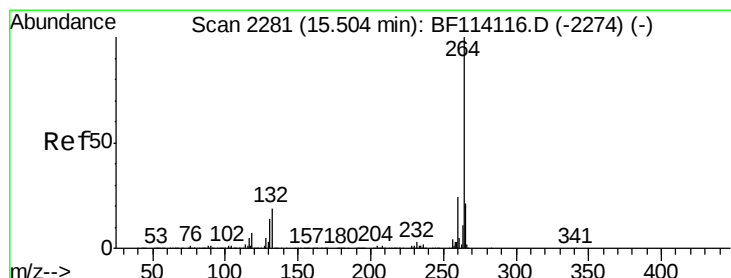
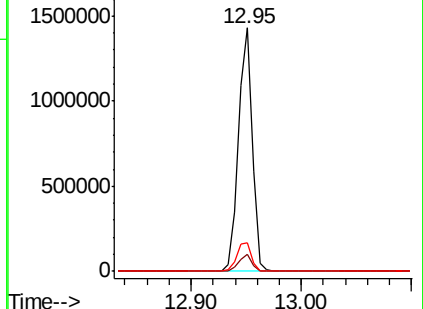
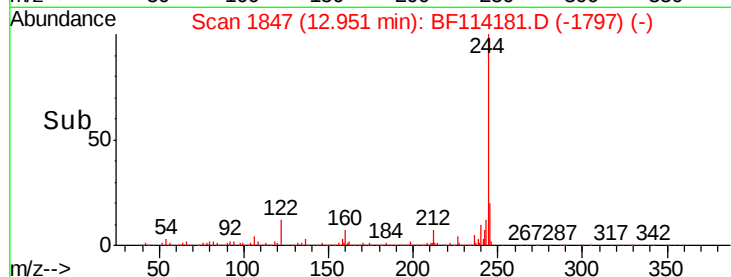
122 11.8 9.4 14.2



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. -0.02 min

Lab File: BF114181.D

Acq: 12 May 2019 3:57

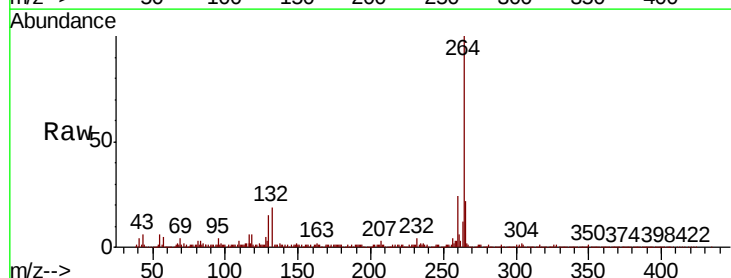
Tgt Ion:264 Resp: 644950

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 22.4 16.9 25.3



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

