

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052419\  
 Data File : BF114588.D  
 Acq On : 24 May 2019 23:37  
 Operator : JU/SJ  
 Sample : K2954-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20190407-FIELD-BLANK-2

Quant Time: May 25 00:24:53 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 24 07:23:33 2019  
 Response via : Initial Calibration

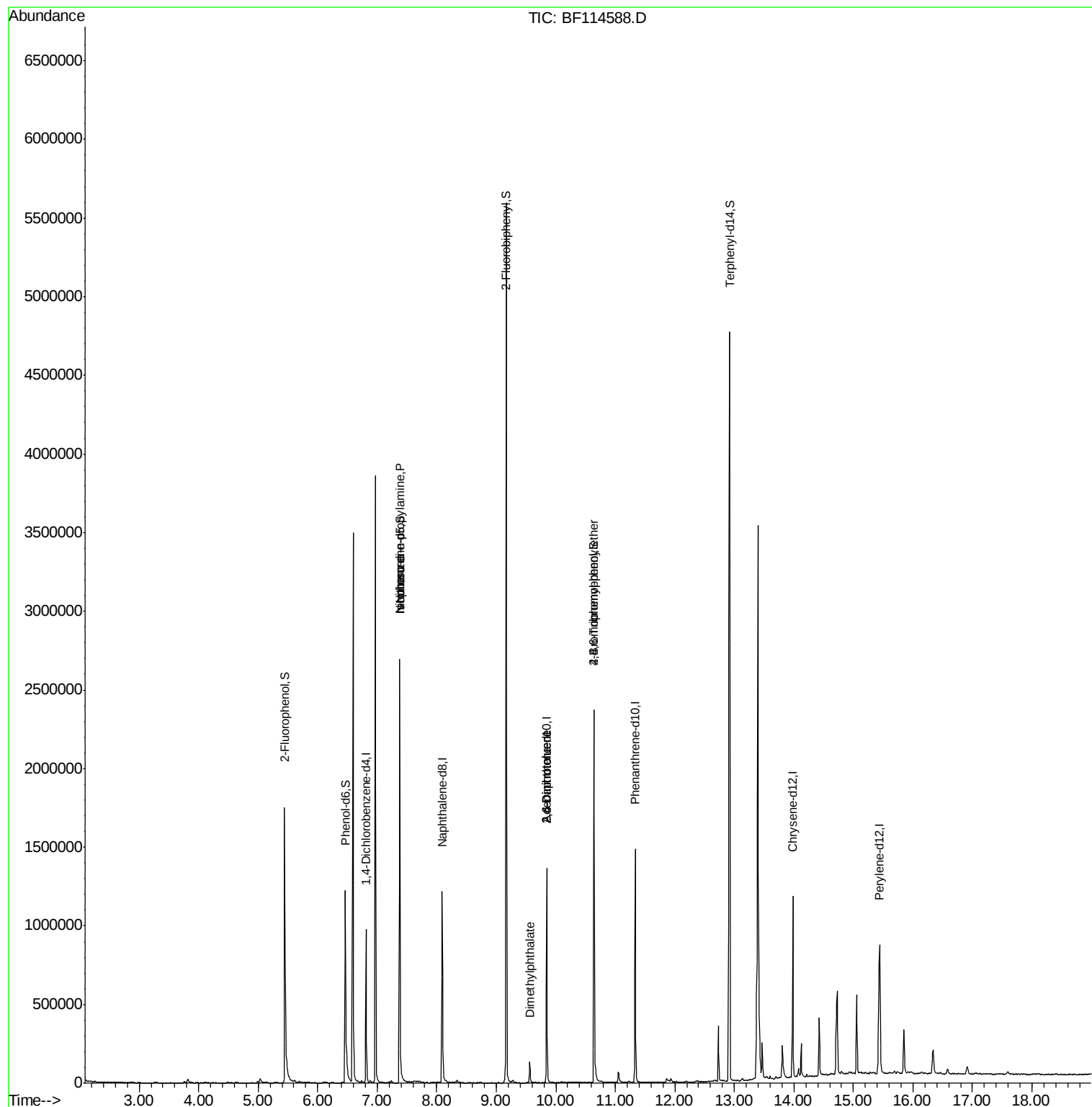
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 148346   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 558808   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.85  | 164  | 265669   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.33 | 188  | 541895   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.98 | 240  | 384721   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.44 | 264  | 370183   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 631814   | 68.54  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 526012   | 48.25  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 944125   | 94.82  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 301338   | 109.71 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1676986  | 95.48  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.92 | 244  | 1844473  | 98.83  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 126883   | 18.360 | ng    | # 76     |
| 25) Isophorone                 | 7.38  | 82   | 944117   | 51.125 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.56  | 163  | 56169    | 2.880  | ng    | # 99     |
| 51) 2,6-Dinitrotoluene         | 9.85  | 165  | 34524    | 7.981  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 34524    | 5.880  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.64 | 248  | 19808    | 3.320  | ng    | # 1      |

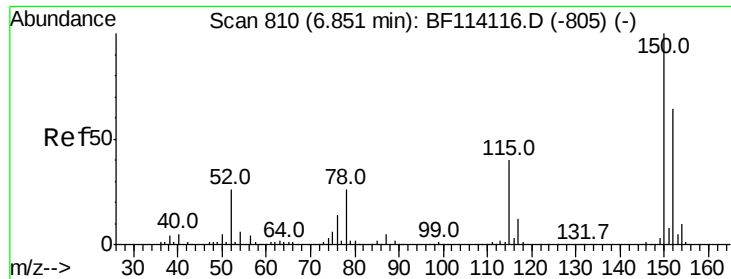
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 25 00:24:53 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 24 07:23:33 2019  
Response via : Initial Calibration



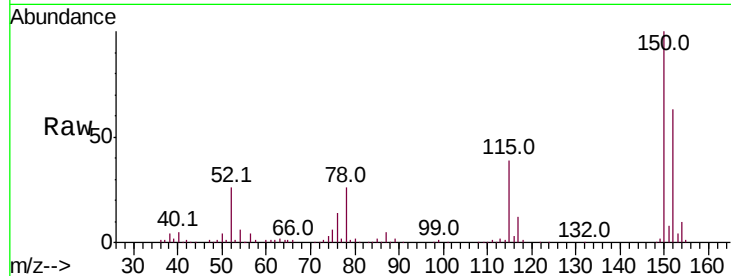


#1

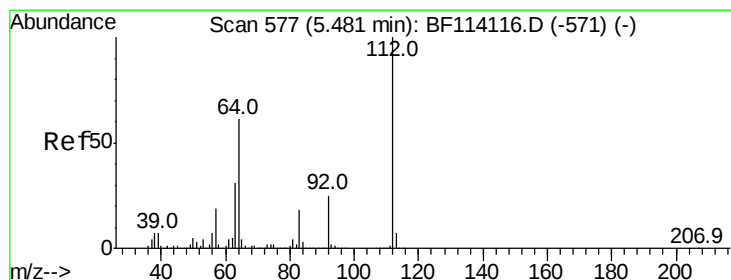
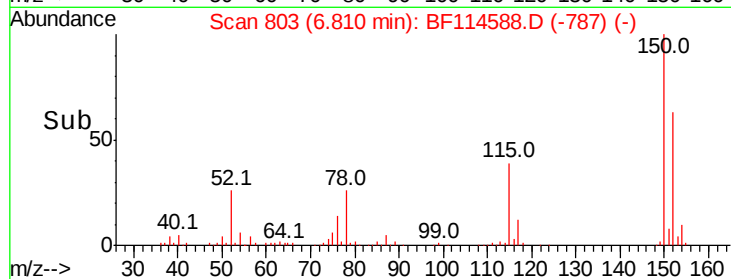
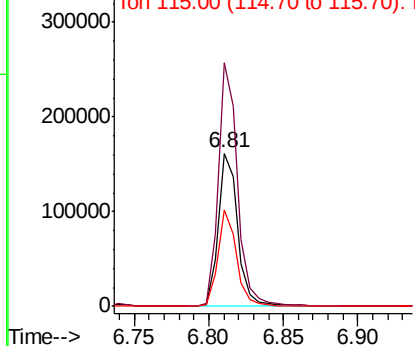
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

Instrument :  
BNA\_F  
ClientSampleId :  
20190407-FIELD-BLANK-2

Tot Ion:152 Resp: 148346  
Ion Ratio Lower Upper  
152 100  
150 159.3 124.3 186.5  
115 62.9 49.1 73.7



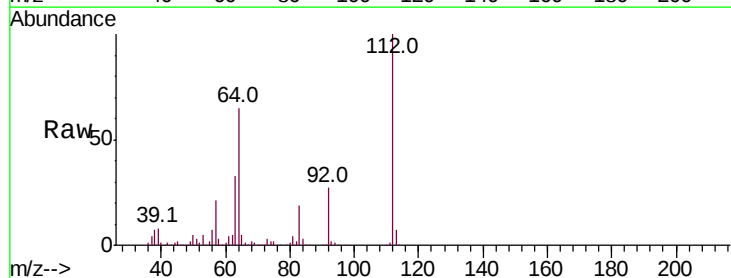
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



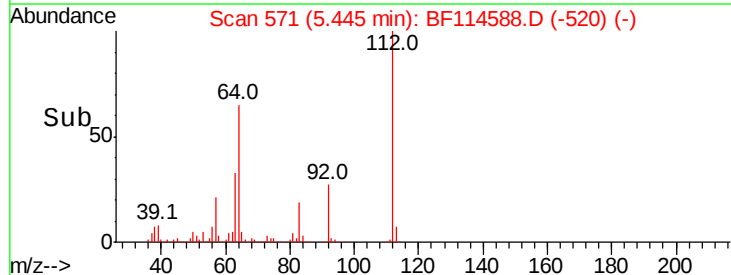
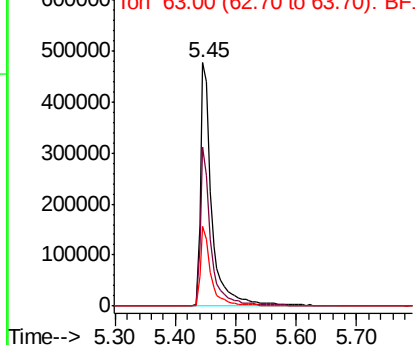
#5

2-Fluorophenol  
Concen: 68.539 ng  
RT: 5.45 min Scan# 571  
Delta R.T. -0.00 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

Tgt Ion:112 Resp: 631814  
Ion Ratio Lower Upper  
112 100  
64 65.4 49.0 73.6  
63 33.0 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: 48.246 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

Instrument :

BNA\_F

ClientSampleId :

20190407-FIELD-BLANK-2

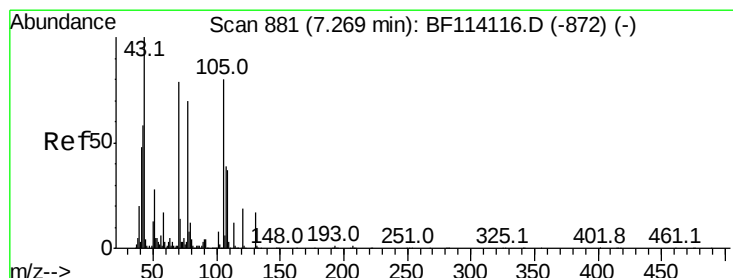
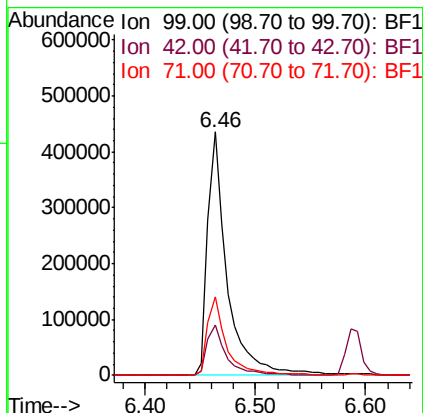
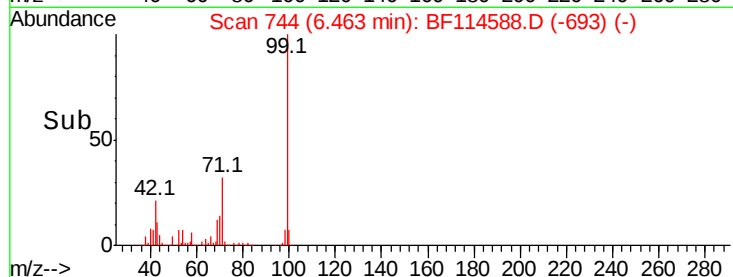
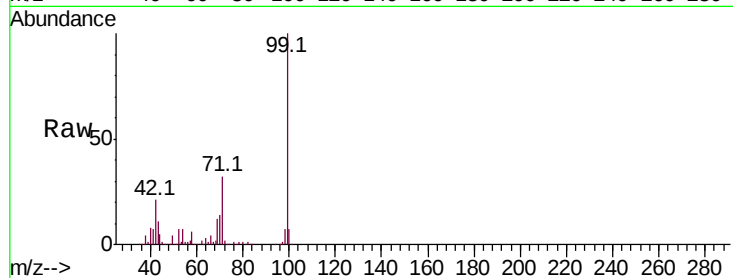
Tot Ion: 99 Resp: 526012

Ion Ratio Lower Upper

99 100

42 20.7 17.9 26.9

71 32.1 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 18.360 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

Tgt Ion: 70 Resp: 126883

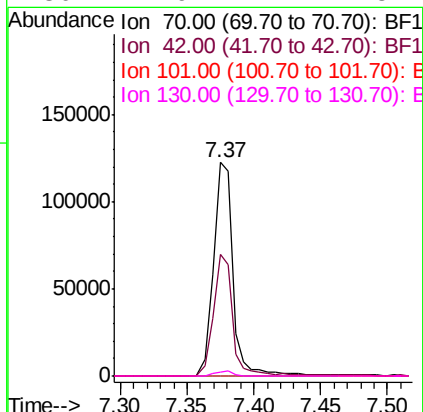
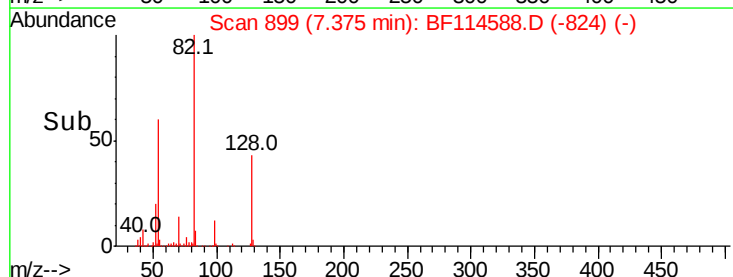
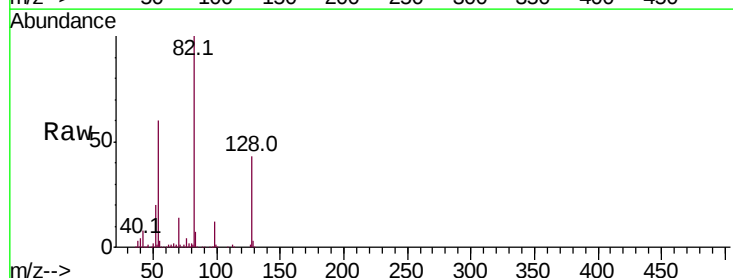
Ion Ratio Lower Upper

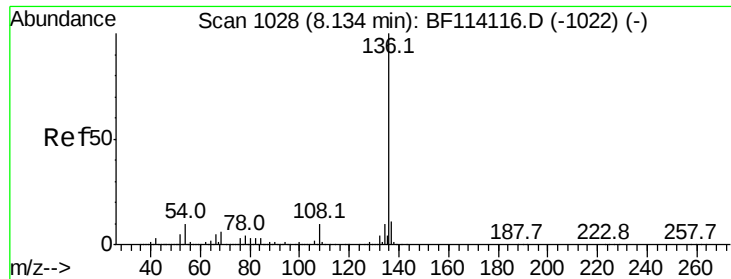
70 100

42 57.0 58.6 87.8#

101 0.0 7.8 11.8#

130 1.9 17.1 25.7#

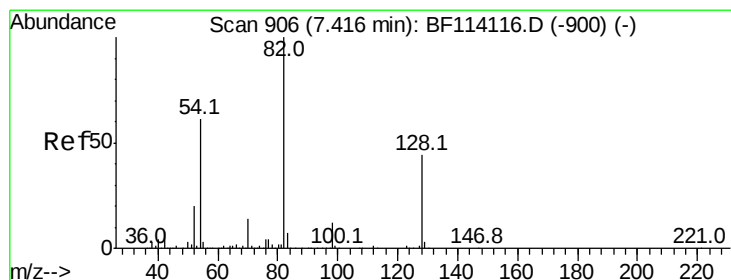
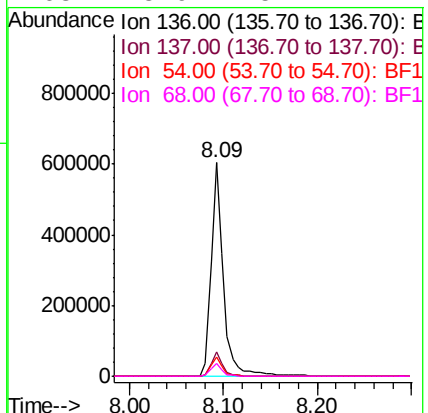
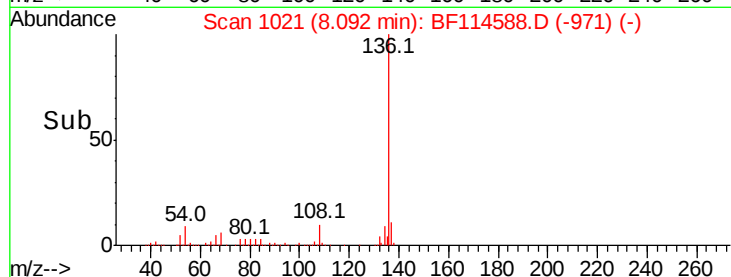
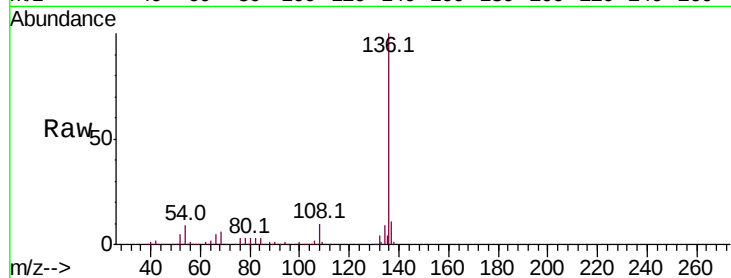




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

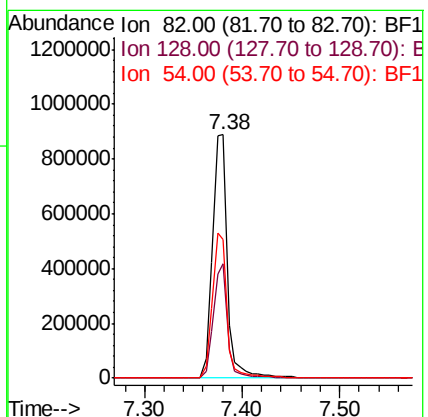
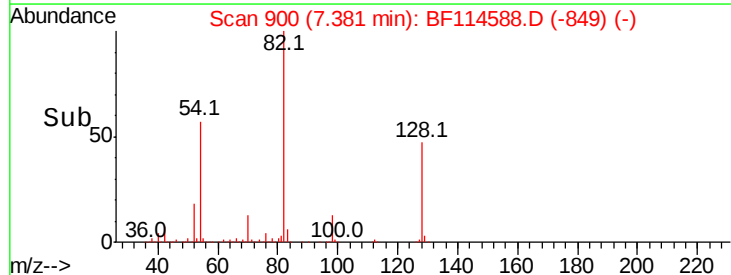
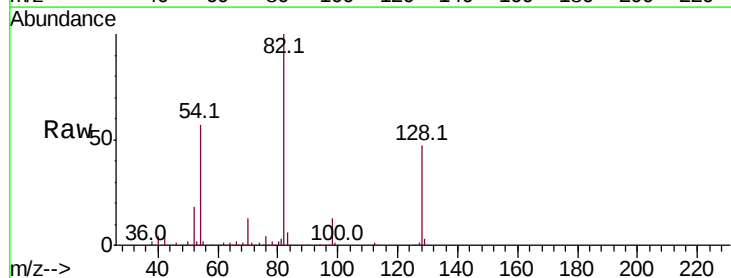
Instrument :  
BNA\_F  
ClientSampleId :  
20190407-FIELD-BLANK-2

| Tot Ion:136 | Resp: | 558808      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.1  | 8.8 13.2    |
| 54          | 9.3   | 7.8 11.8    |
| 68          | 5.9   | 5.1 7.7     |



#23  
Nitrobenzene-d5  
Concen: 94.817 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

| Tgt Ion: 82 | Resp: | 944125      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 46.8  | 35.5 53.3   |
| 54          | 56.8  | 48.5 72.7   |





#25

Isophorone

Concen: 51.125 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

Instrument :

BNA\_F

ClientSampleId :

20190407-FIELD-BLANK-2

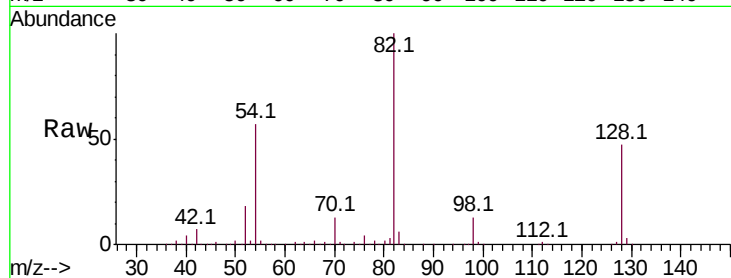
Tot Ion: 82 Resp: 944117

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

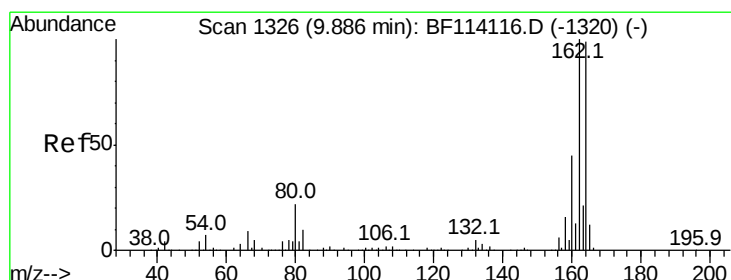
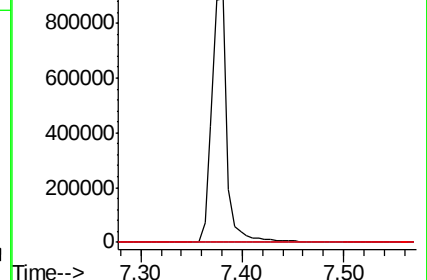
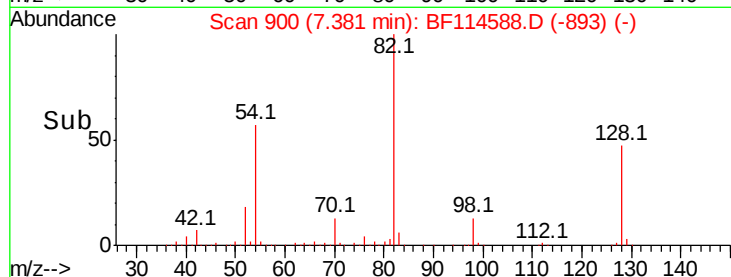
138 0.0 14.8 22.2#



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# 1319

Delta R.T. -0.01 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

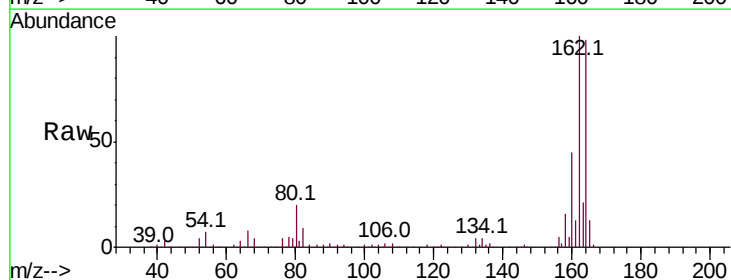
Tgt Ion:164 Resp: 265669

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

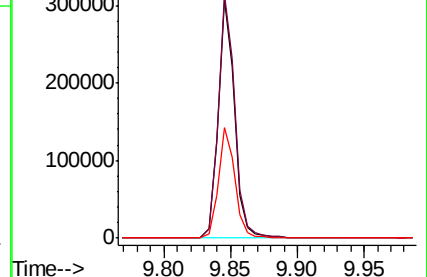
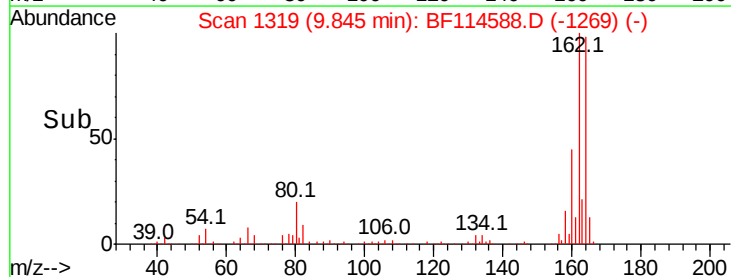
160 46.1 36.5 54.7



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

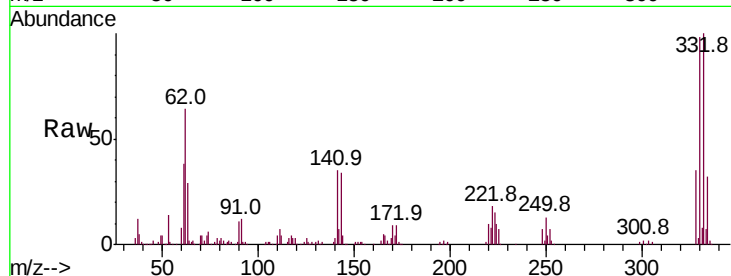




#42  
 2,4,6-Tribromophenol  
 Concen: 109.714 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BF114588.D  
 Acq: 24 May 2019 23:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20190407-FIELD-BLANK-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 102.4 | 81.4  | 122.2 |
| 141     | 33.2  | 26.6  | 40.0  |

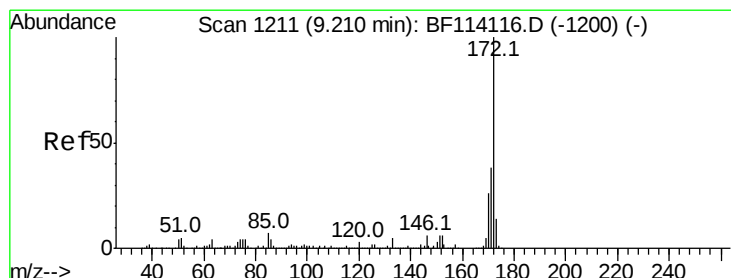
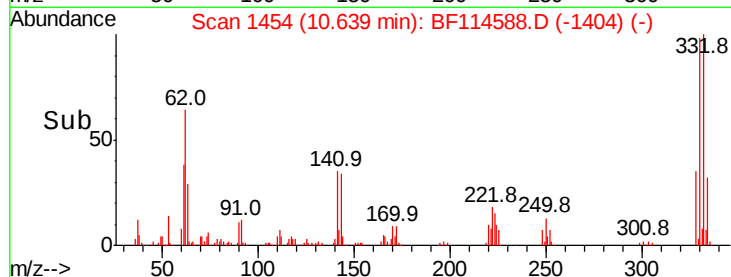
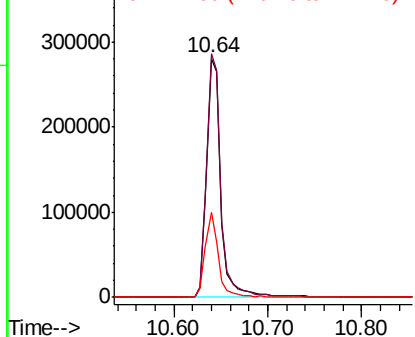


Abundance

Ion 329.80 (329.50 to 330.50): E

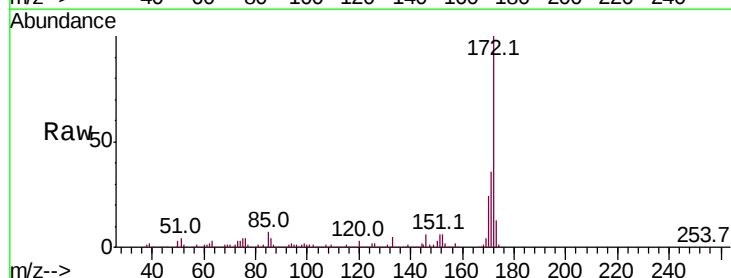
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 95.484 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.01 min  
 Lab File: BF114588.D  
 Acq: 24 May 2019 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 30.7  | 46.1  |
| 170     | 24.1  | 20.5  | 30.7  |

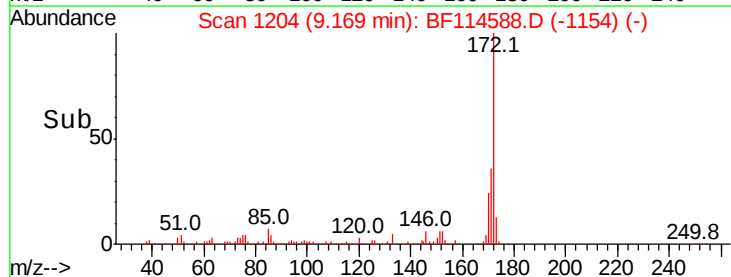
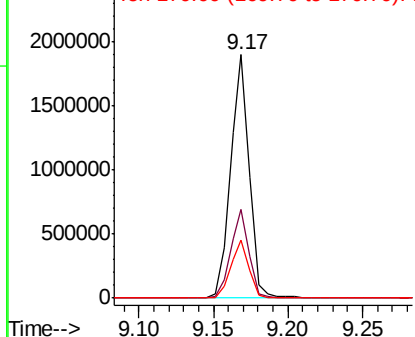


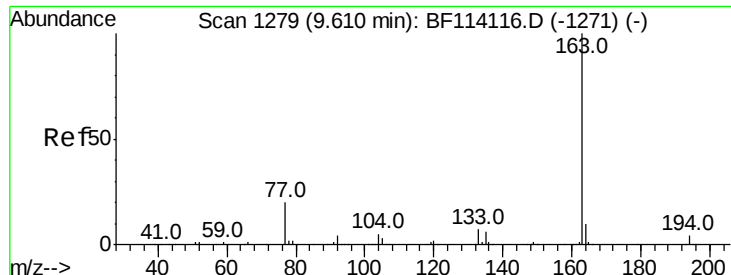
Abundance

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

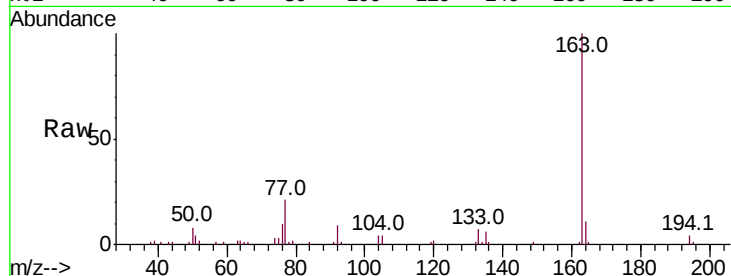




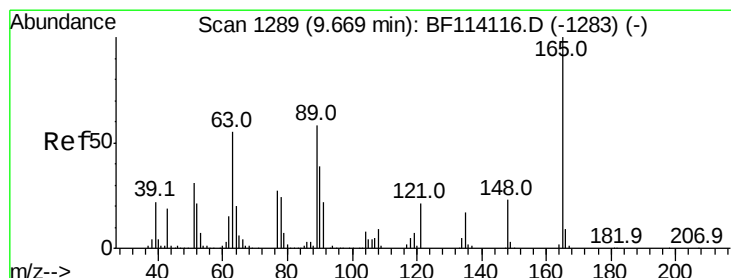
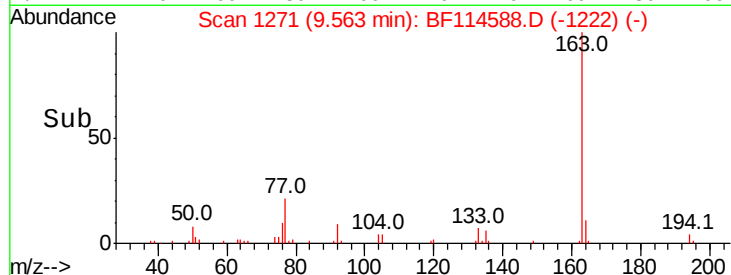
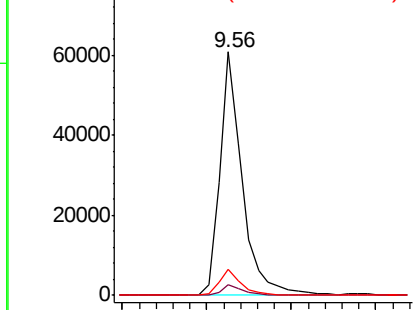
#50  
Dimethylphthalate  
Concen: 2.880 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

Instrument :  
BNA\_F  
ClientSampleId :  
20190407-FIELD-BLANK-2

Tot Ion:163 Resp: 56169  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.7 8.2 12.2

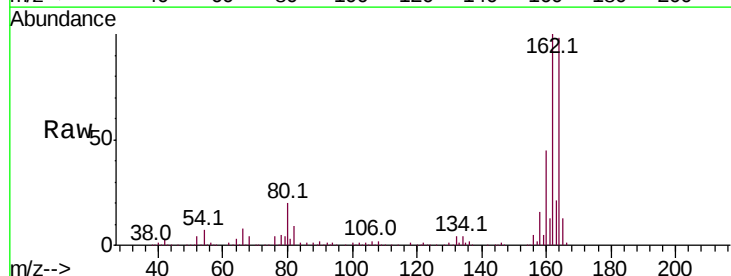


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

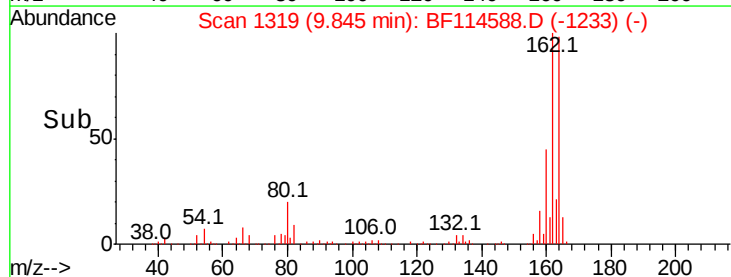
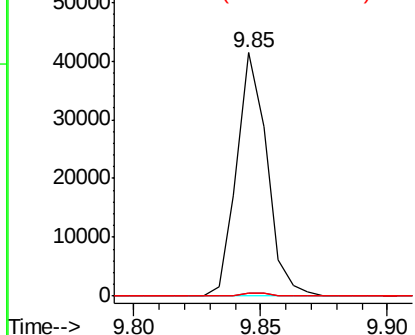


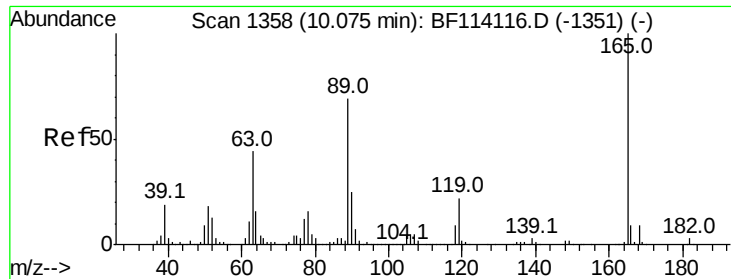
#51  
2,6-Dinitrotoluene  
Concen: 7.981 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. 0.21 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

Tgt Ion:165 Resp: 34524  
Ion Ratio Lower Upper  
165 100  
63 1.0 50.2 75.4#  
89 1.4 46.6 69.8#



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

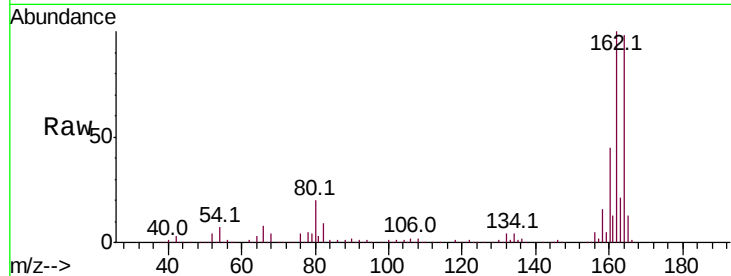




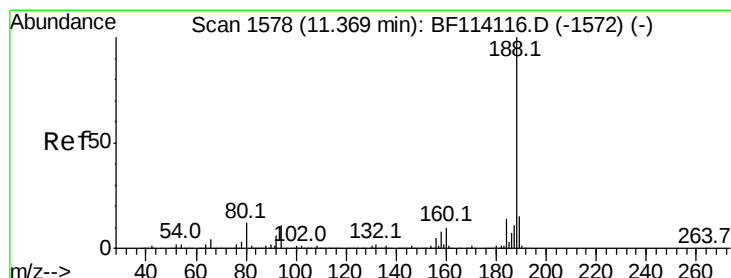
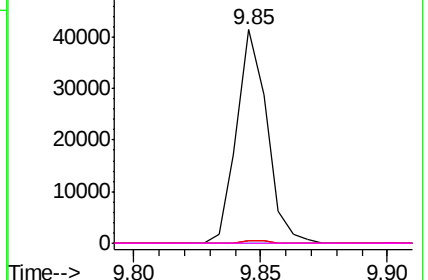
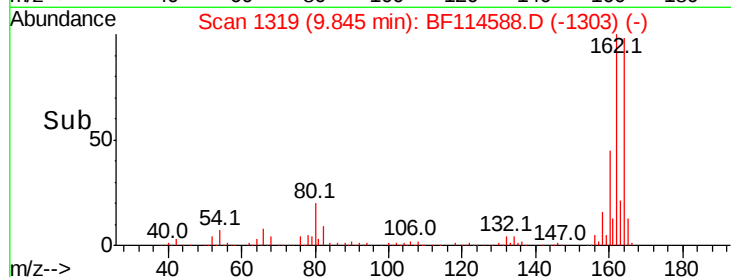
#57  
2,4-Dinitrotoluene  
Concen: 5.880 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.21 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

Instrument :  
BNA\_F  
ClientSampleId :  
20190407-FIELD-BLANK-2

Tot Ion:165 Resp: 34524  
Ion Ratio Lower Upper  
165 100  
63 1.0 35.5 53.3#  
89 1.4 55.2 82.8#  
182 0.0 2.2 3.2#

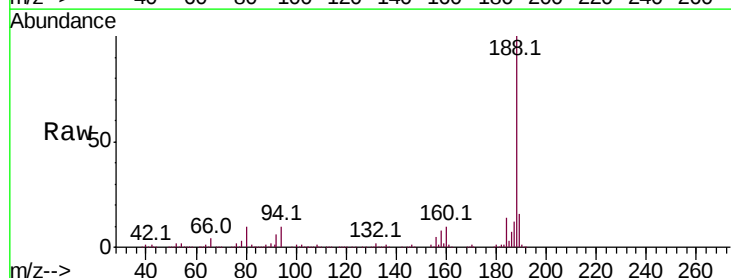


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

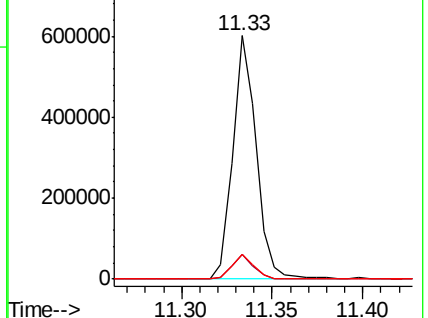
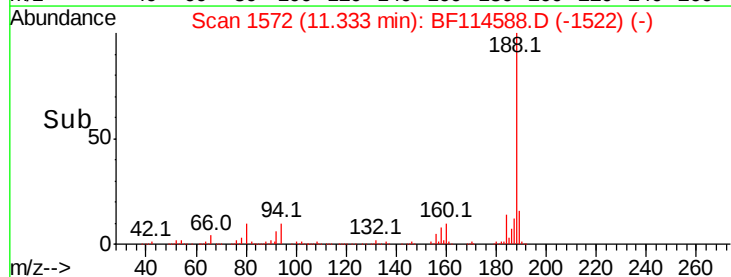


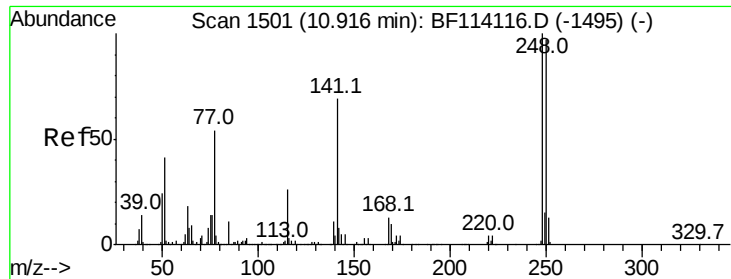
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF114588.D  
Acq: 24 May 2019 23:37

Tgt Ion:188 Resp: 541895  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.4 12.6  
80 10.4 9.2 13.8



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: 3.320 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

Instrument :

BNA\_F

ClientSampleId :

20190407-FIELD-BLANK-2

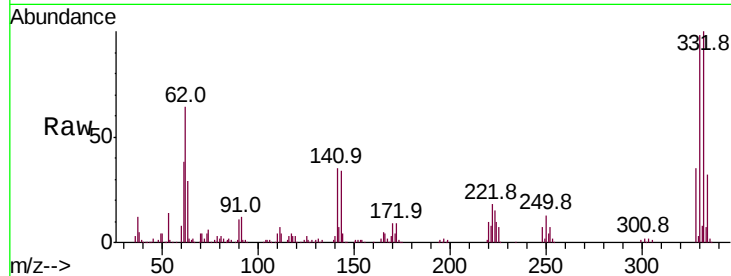
Tot Ion:248 Resp: 19808

Ion Ratio Lower Upper

248 100

250 193.2 77.4 116.2#

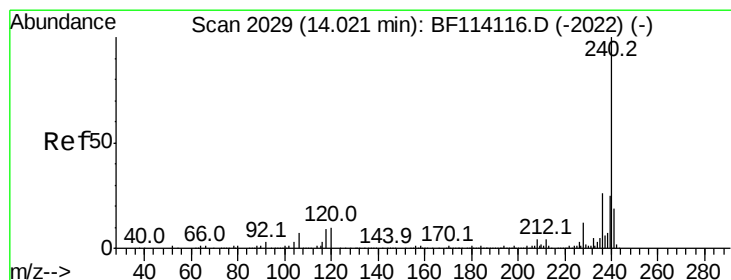
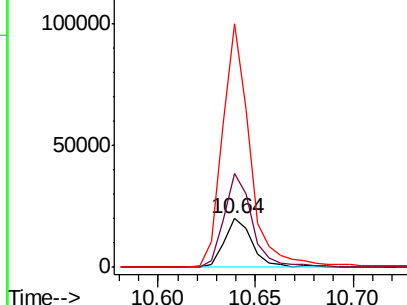
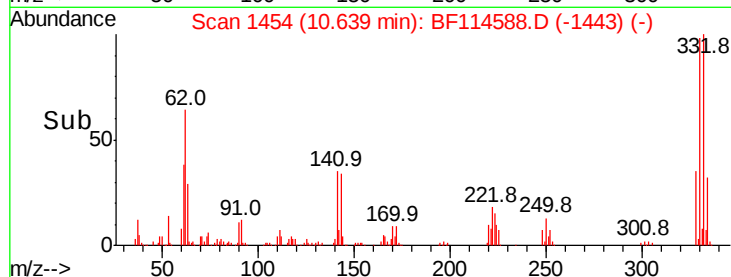
141 501.0 55.6 83.4#



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

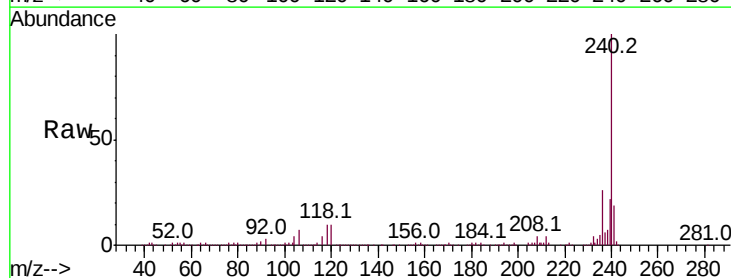
Tgt Ion:240 Resp: 384721

Ion Ratio Lower Upper

240 100

120 10.2 8.3 12.5

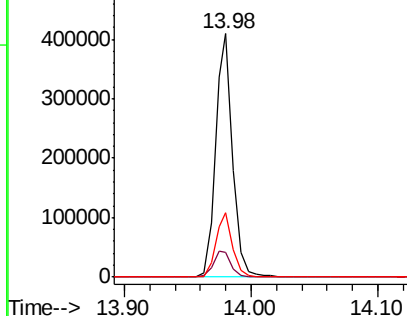
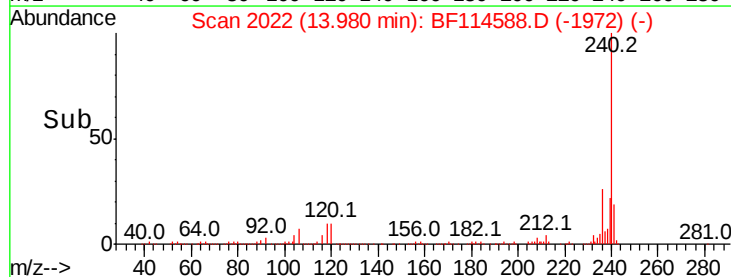
236 26.4 20.8 31.2

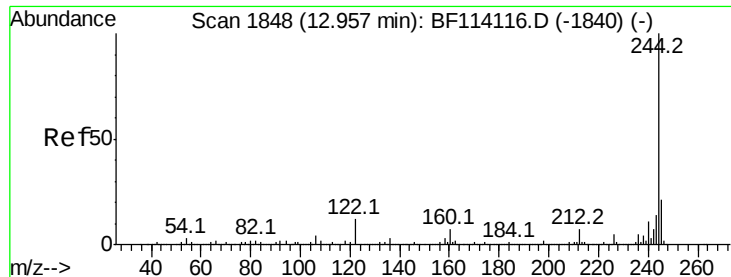


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 98.832 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

Instrument :

BNA\_F

ClientSampleId :

20190407-FIELD-BLANK-2

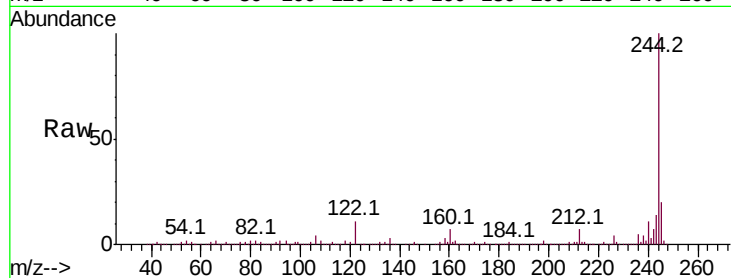
Tot Ion:244 Resp: 1844473

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

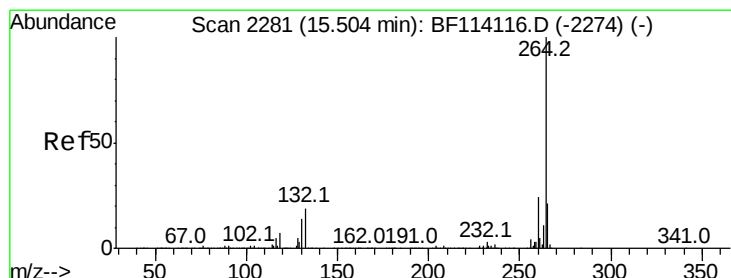
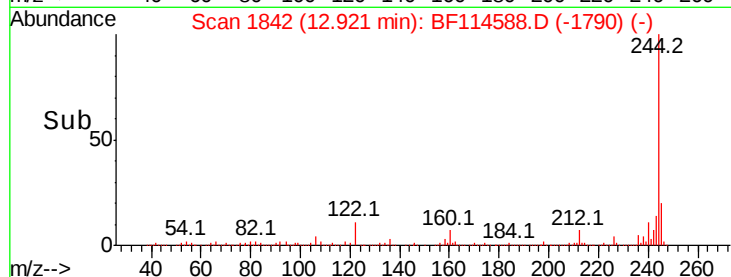
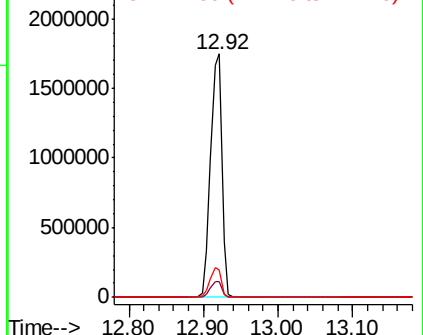
122 11.0 9.4 14.2



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: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF114588.D

Acq: 24 May 2019 23:37

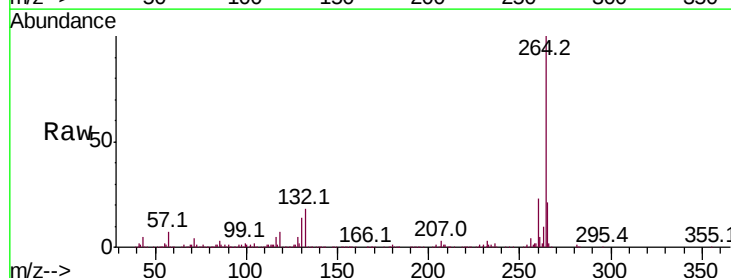
Tgt Ion:264 Resp: 370183

Ion Ratio Lower Upper

264 100

260 22.9 19.4 29.0

265 21.5 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

