

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101417\  
 Data File : BF099475.D  
 Acq On : 14 Oct 2017 14:27  
 Operator : SJ/JU  
 Sample : I5819-13  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 14 22:02:58 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 16:25:21 2017  
 Response via : Initial Calibration

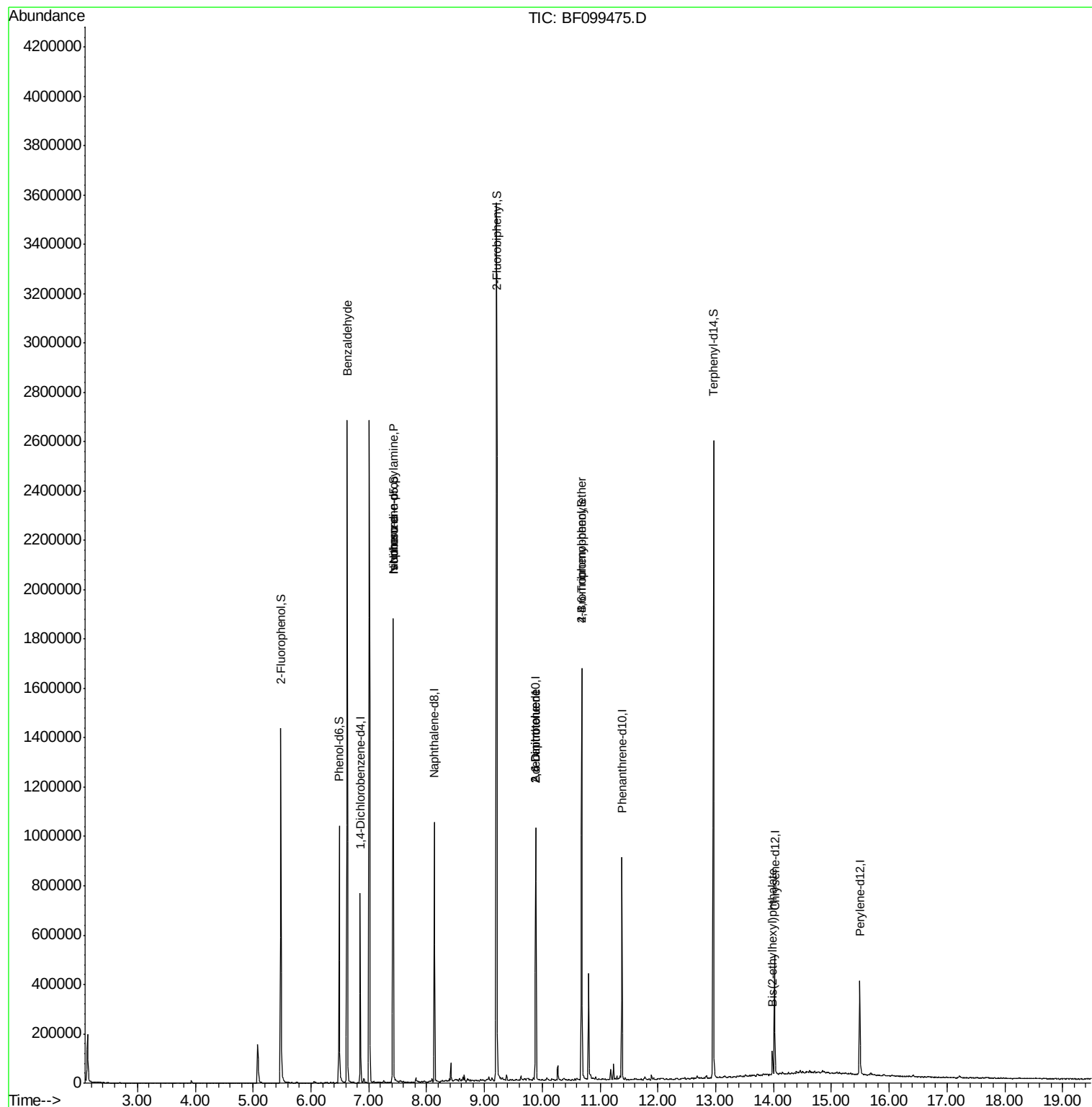
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 110735   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 445464   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 198598   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.37 | 188  | 314906   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 164276   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.49 | 264  | 162365   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 475768   | 68.40  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 355873   | 41.47  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 701935   | 101.05 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 223058   | 137.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1256479  | 105.62 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.96 | 244  | 866006   | 119.89 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.63  | 77   | 15582    | 3.130  | ng    | 88       |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 89837    | 16.397 | ng    | # 75     |
| 25) Isophorone                 | 7.42  | 82   | 702025   | 48.883 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 24773    | 7.592  | ng    | # 26     |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 24773    | 5.849  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.69 | 248  | 14591    | 4.734  | ng    | # 1      |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149  | 23845    | 2.942  | ng    | # 97     |

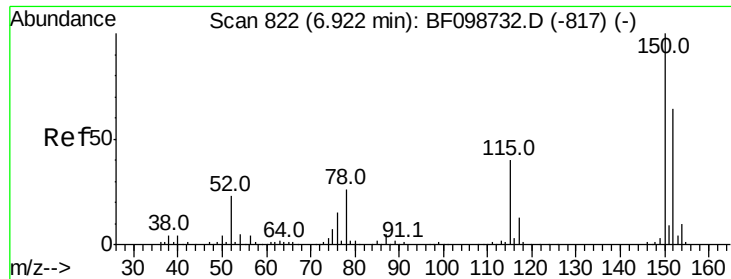
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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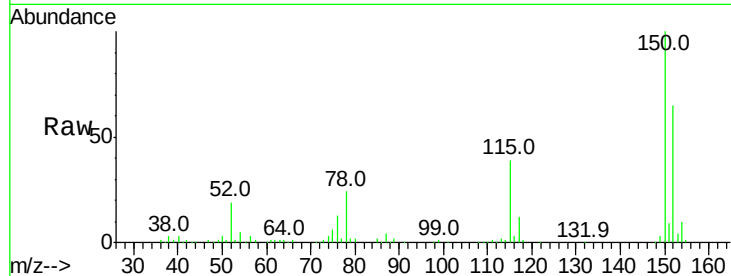


#1

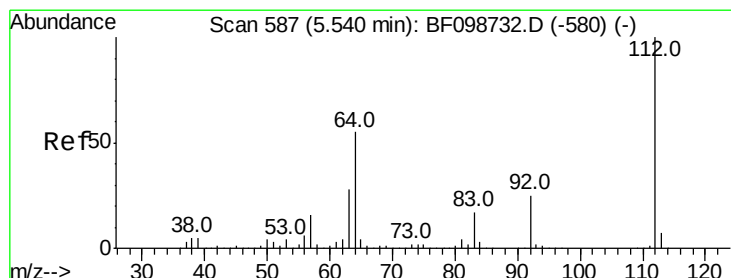
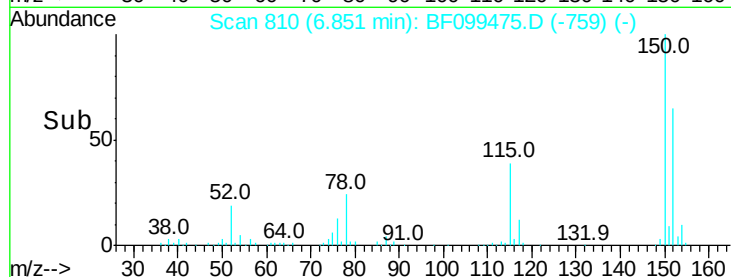
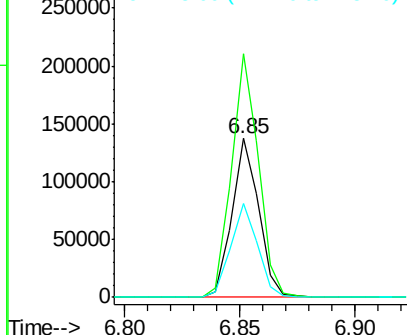
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF099475.D  
Acq: 14 Oct 2017 14:27

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 110735  
Ion Ratio Lower Upper  
152 100  
150 153.2 124.6 186.8  
115 59.2 50.1 75.1



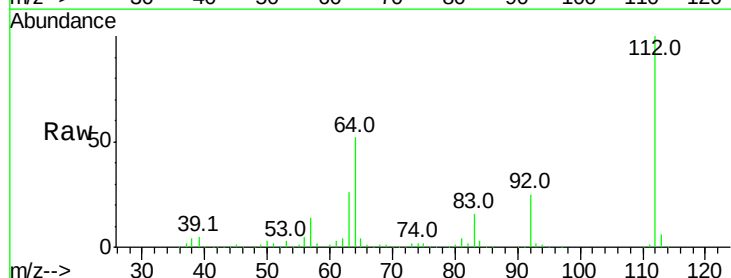
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



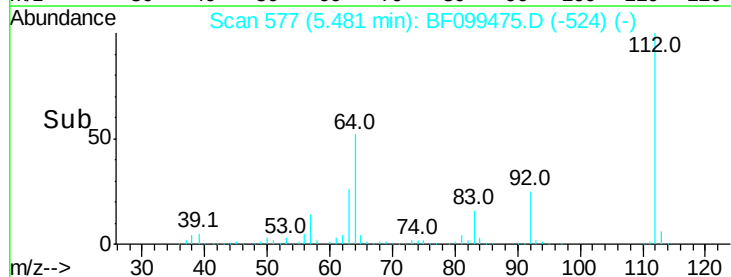
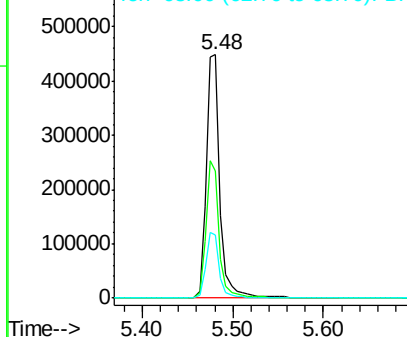
#5

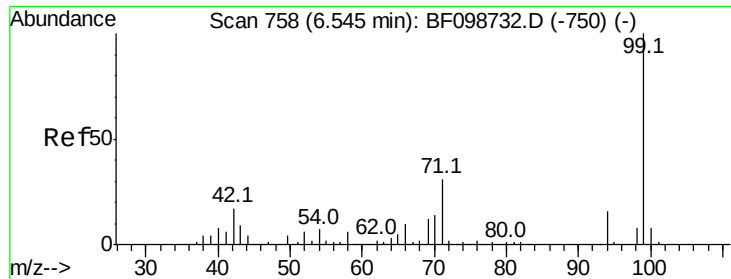
2-Fluorophenol  
Concen: 68.395 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: BF099475.D  
Acq: 14 Oct 2017 14:27

Tgt Ion:112 Resp: 475768  
Ion Ratio Lower Upper  
112 100  
64 52.4 47.9 71.9  
63 25.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.471 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF099475.D

Acq: 14 Oct 2017 14:27

Instrument :

BNA\_F

ClientSampled :

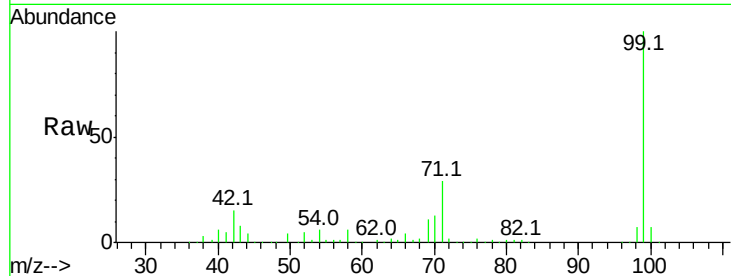
Tot Ion: 99 Resp: 355873

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

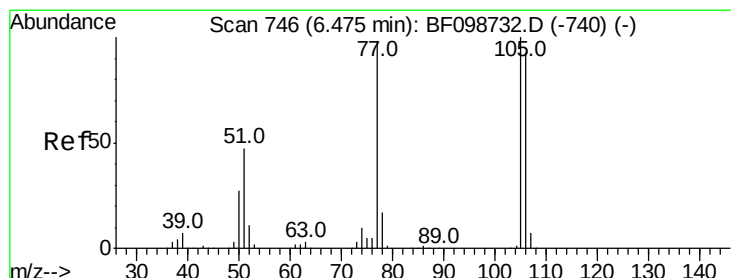
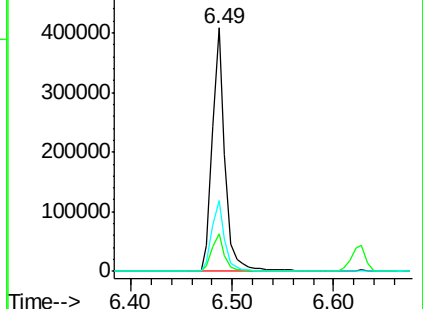
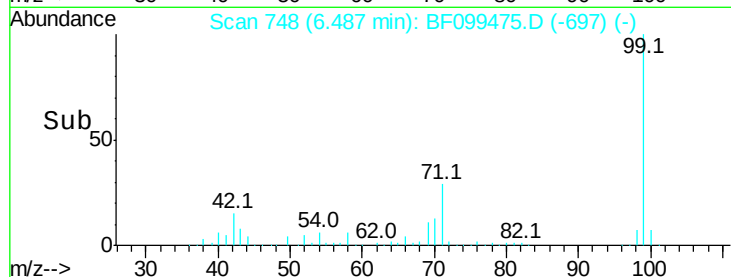
71 29.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.130 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099475.D

Acq: 14 Oct 2017 14:27

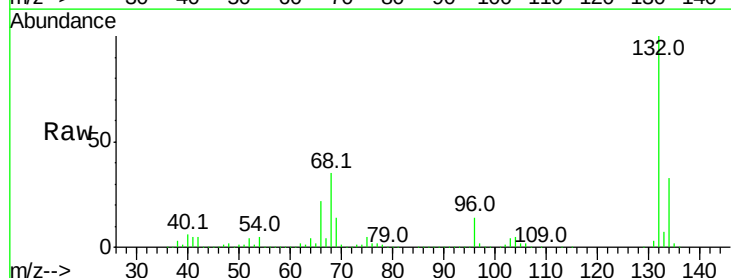
Tgt Ion: 77 Resp: 15582

Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

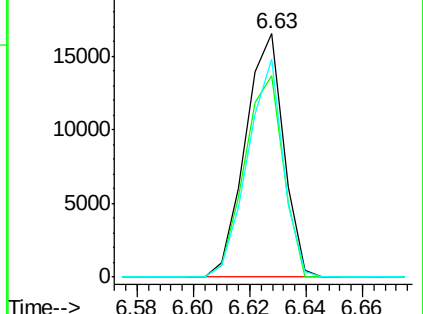
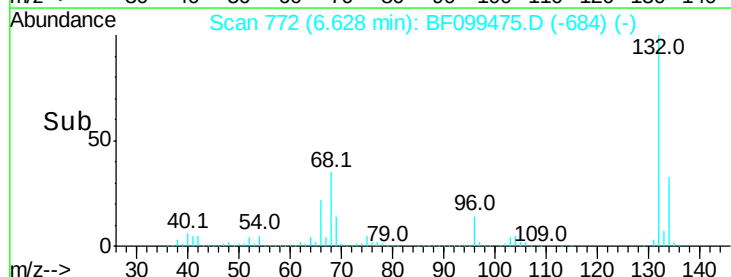
106 89.8 74.5 114.5

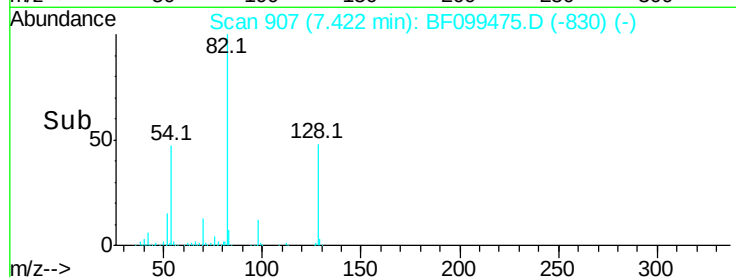
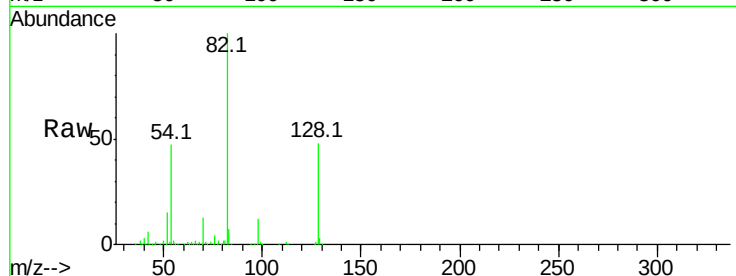
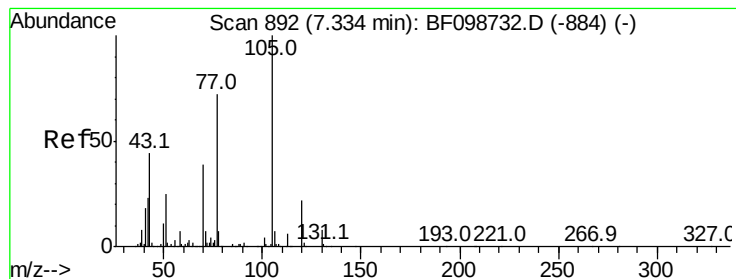


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 16.397 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099475.D

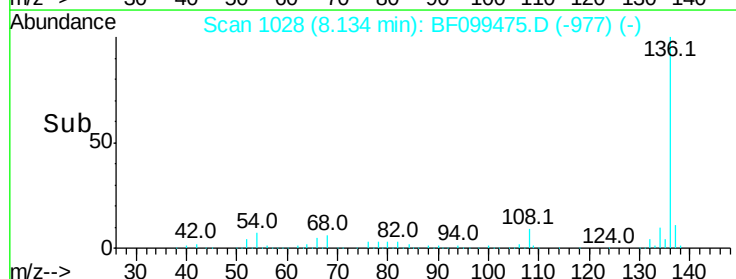
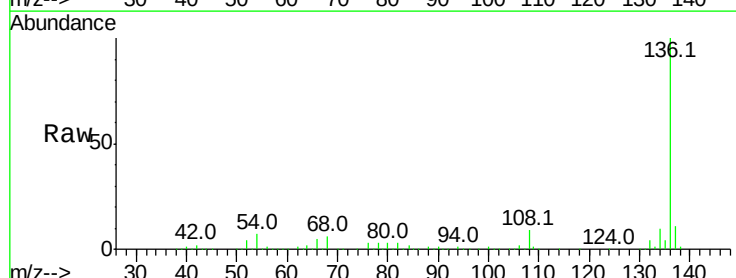
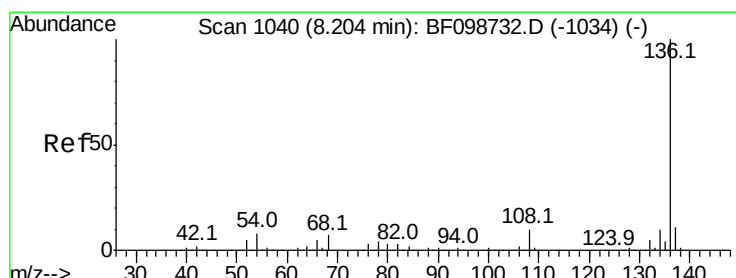
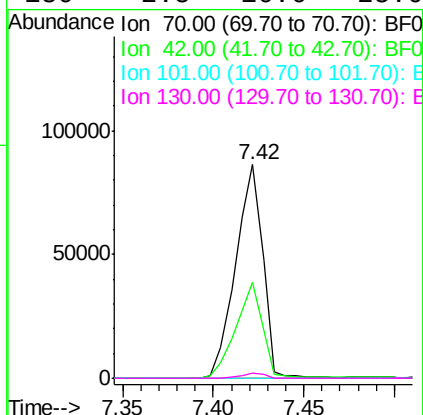
Acq: 14 Oct 2017 14:27

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 89837 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 44.9  | 47.5  | 71.3# |
| 101      | 0.0   | 7.4   | 11.2# |
| 130      | 2.5   | 16.6  | 25.0# |



#21

Naphthalene-d8

Concen: 20.000 ng

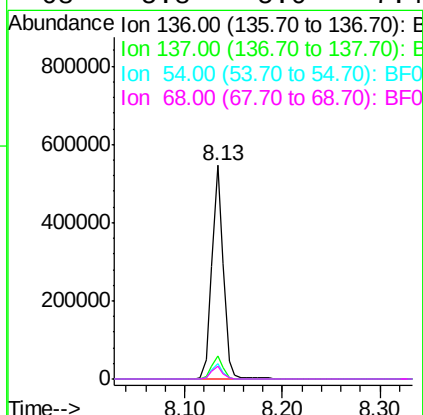
RT: 8.13 min Scan# 1028

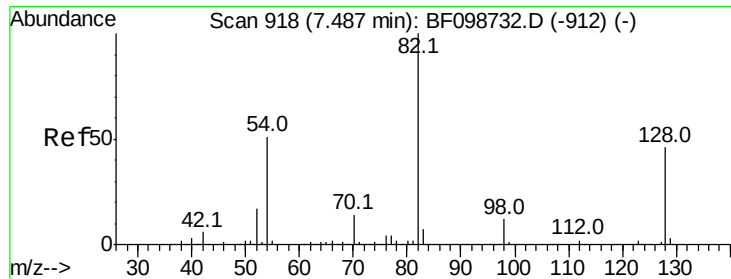
Delta R.T. 0.00 min

Lab File: BF099475.D

Acq: 14 Oct 2017 14:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 445464 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 7.0   | 6.6   | 9.8    |
| 68       | 5.8   | 5.0   | 7.4    |

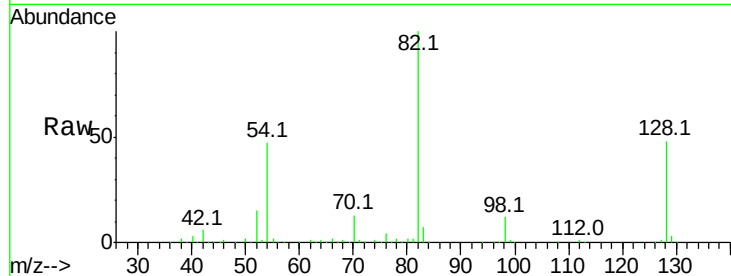




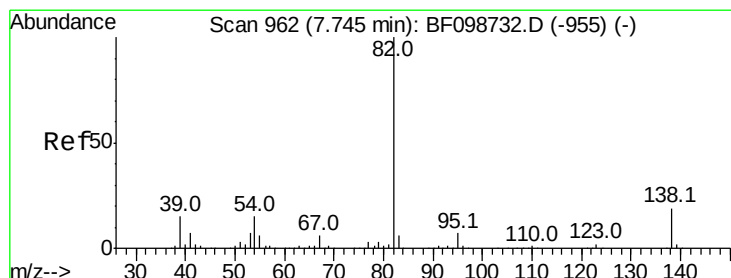
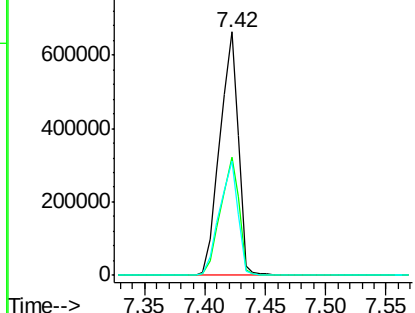
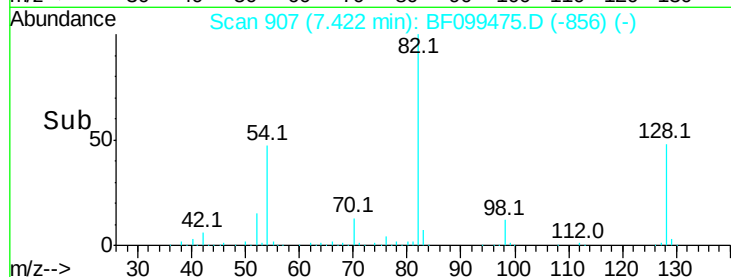
#23  
 Nitrobenzene-d5  
 Concen: 101.052 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. 0.00 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 82   | Resp | 701935 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 36.1 |      |        |
| Upper     | 54.1 |      |        |
| 54        | 46.7 | 41.4 | 62.2   |

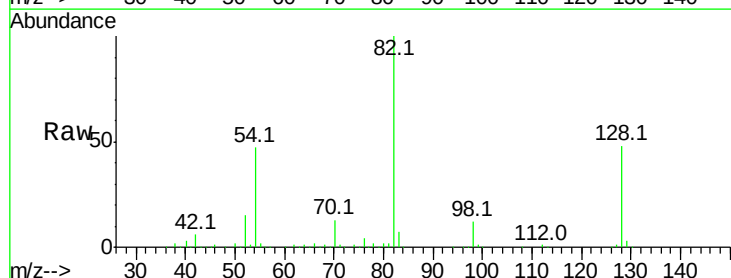


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

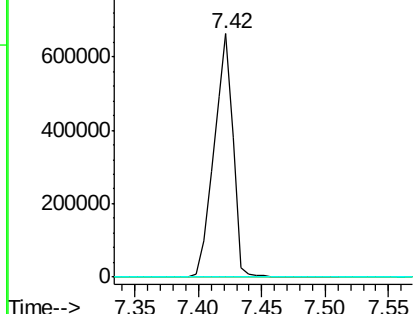
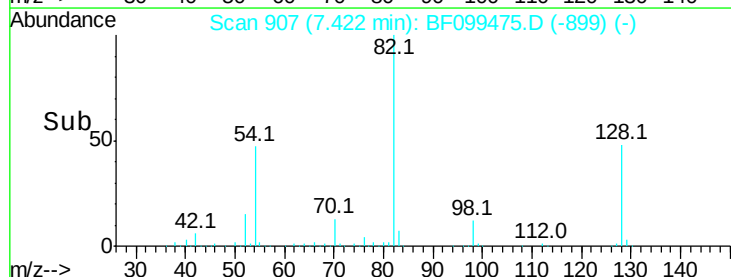


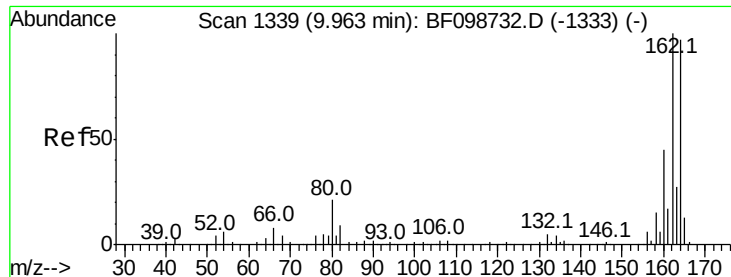
#25  
 Isophorone  
 Concen: 48.883 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.25 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

| Tgt Ion   | 82   | Resp | 702025 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 5.2  |      |        |
| Upper     | 7.8# |      |        |
| 95        | 0.0  | 14.9 | 22.3#  |
| 138       | 0.0  |      |        |



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0

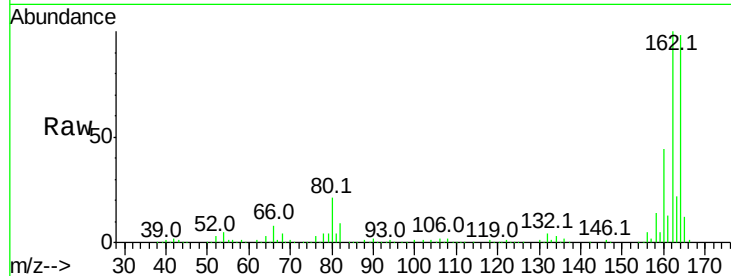




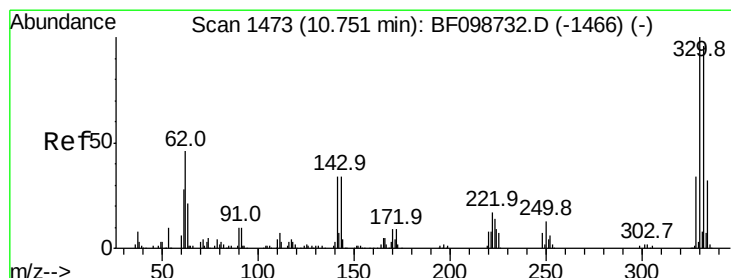
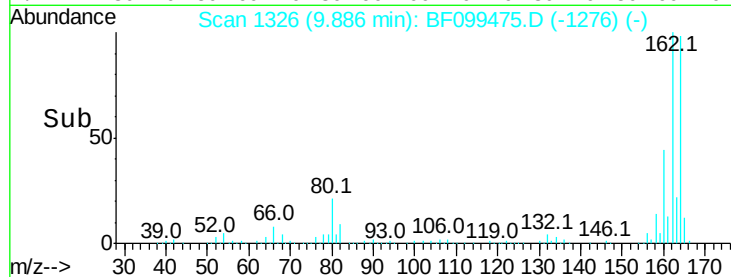
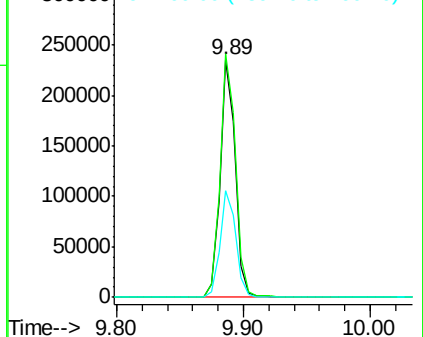
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.01 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 198598  
 Ion Ratio Lower Upper  
 164 100  
 162 102.5 86.1 129.1  
 160 44.7 38.3 57.5

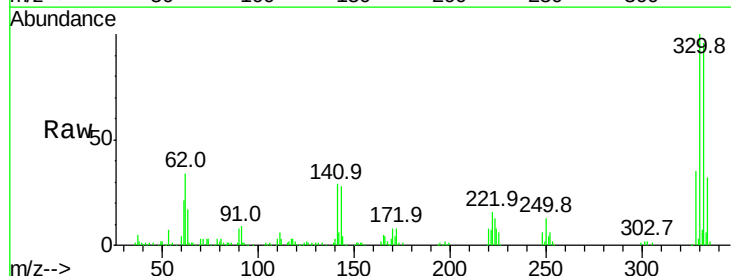


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

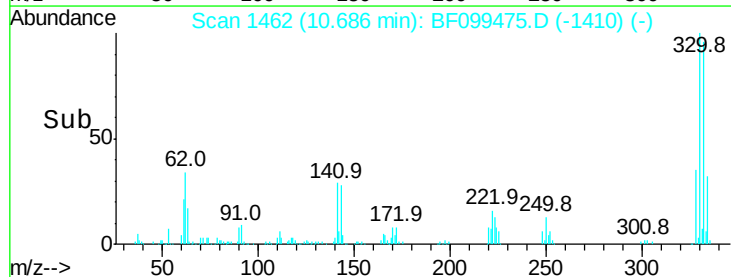
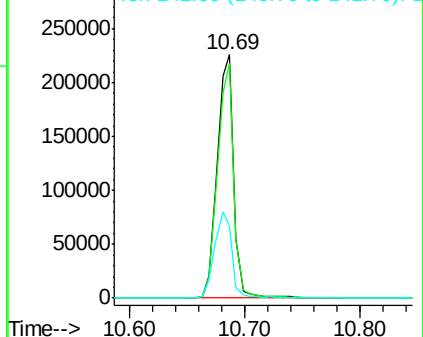


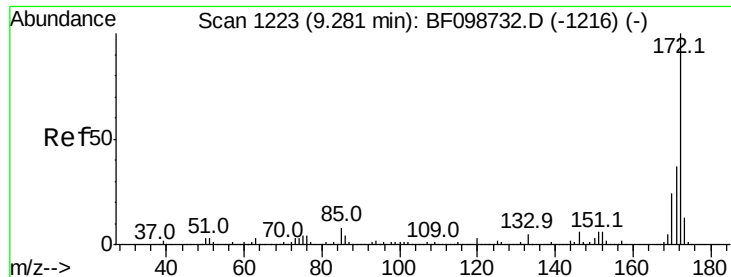
#41  
 2,4,6-Tribromophenol  
 Concen: 137.261 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. 0.01 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

Tgt Ion:330 Resp: 223058  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 77.0 115.6  
 141 37.5 29.9 44.9



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



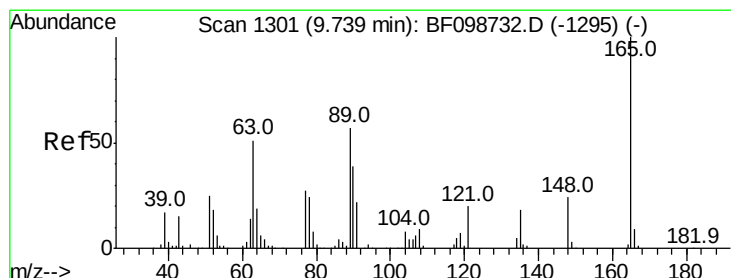
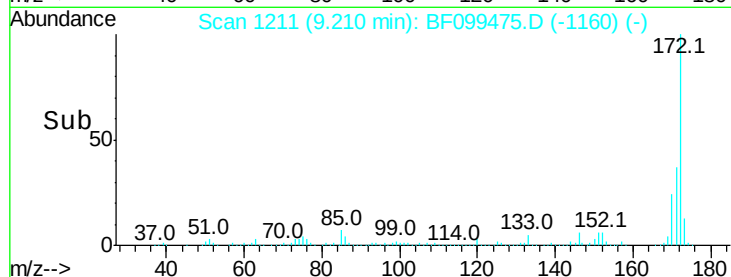
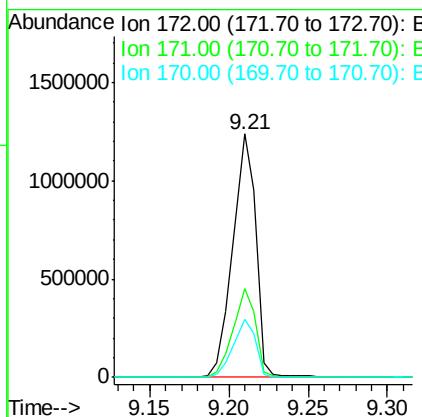
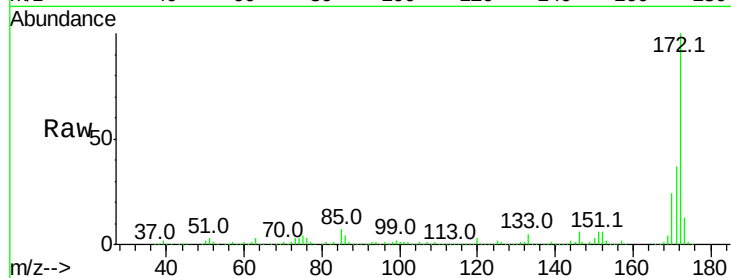


#44  
 2-Fluorobiphenyl  
 Concen: 105.620 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1256479  

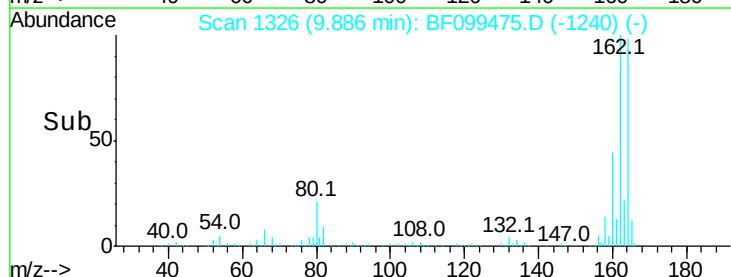
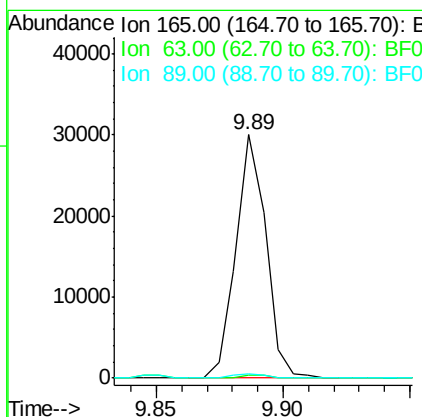
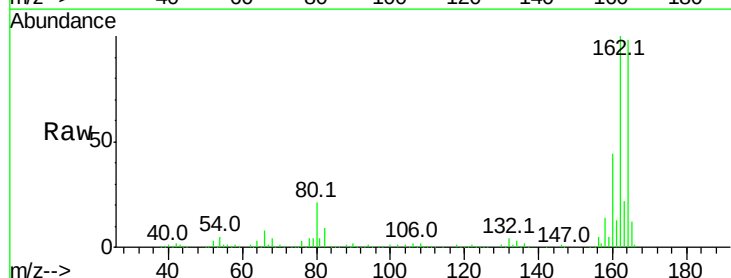
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.6  | 29.7  | 44.5  |
| 170 | 24.1  | 19.6  | 29.4  |



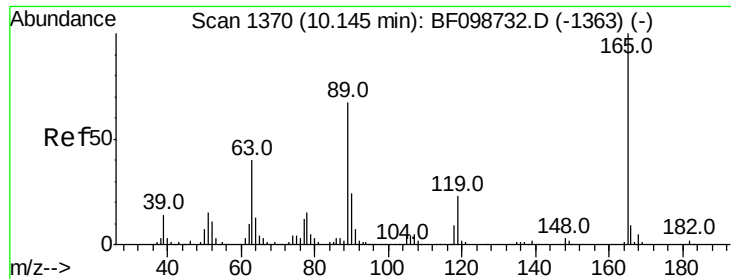
#50  
 2,6-Dinitrotoluene  
 Concen: 7.592 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. 0.21 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

Tgt Ion:165 Resp: 24773  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.4   | 44.7  | 67.1# |
| 89  | 1.7   | 44.0  | 66.0# |



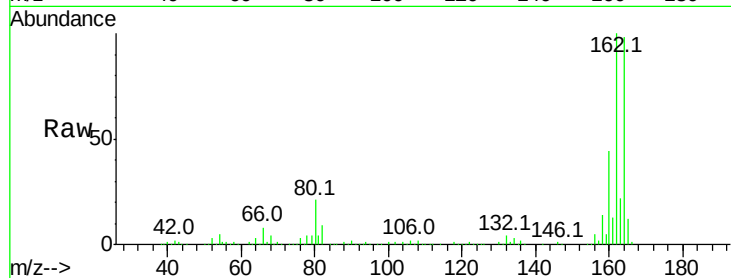




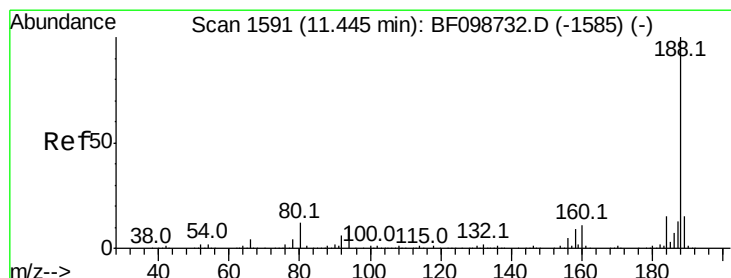
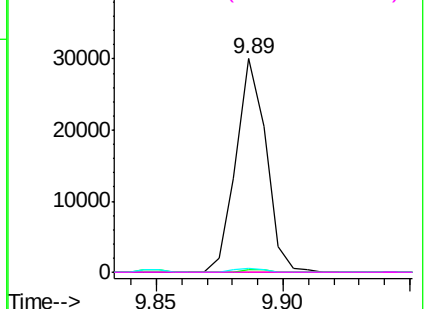
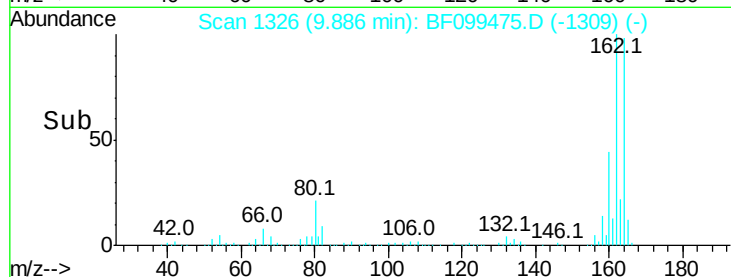
#56  
 2,4-Dinitrotoluene  
 Concen: 5.849 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.20 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 24773  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 36.4 54.6#  
 89 1.7 57.8 86.6#  
 182 0.0 1.6 2.4#

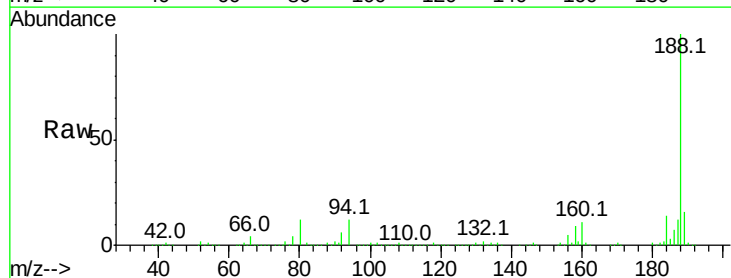


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

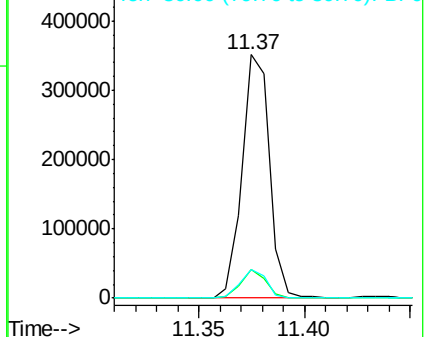
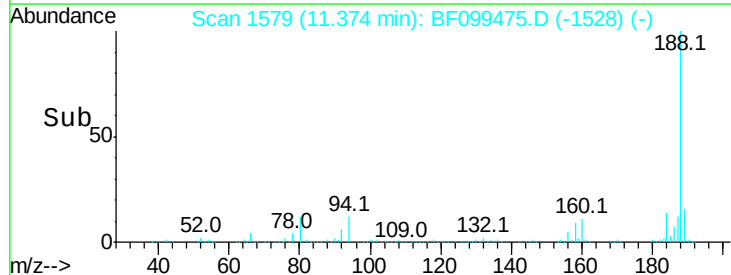


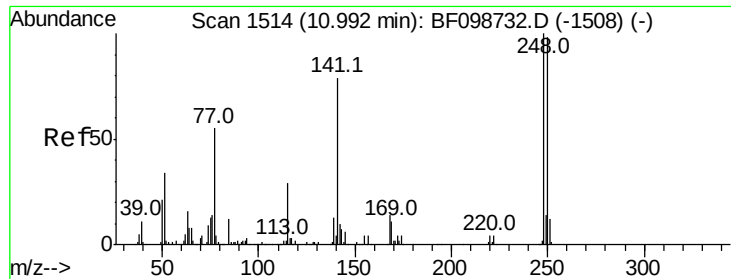
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1579  
 Delta R.T. 0.00 min  
 Lab File: BF099475.D  
 Acq: 14 Oct 2017 14:27

Tgt Ion:188 Resp: 314906  
 Ion Ratio Lower Upper  
 188 100  
 94 11.8 8.5 12.7  
 80 11.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

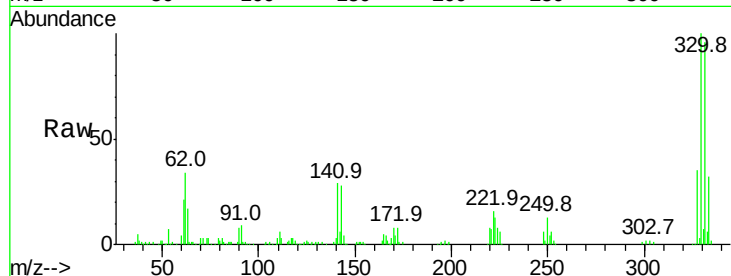




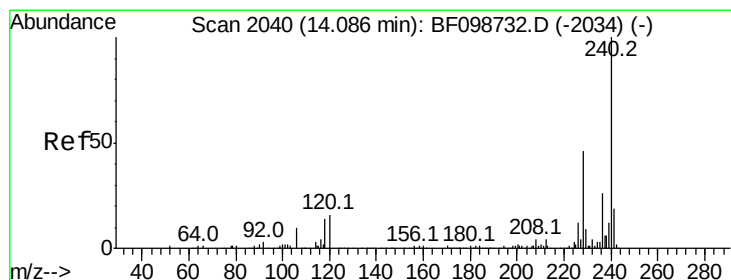
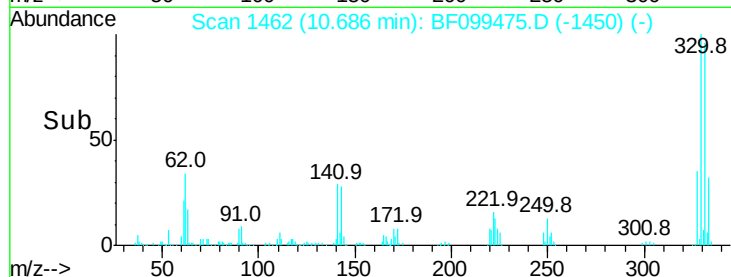
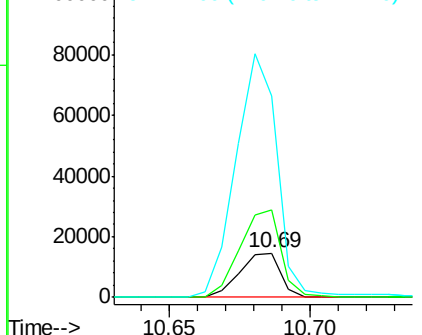
#66  
4-Bromophenyl-phenylether  
Concen: 4.734 ng  
RT: 10.69 min Scan# 1462  
Delta R.T. -0.23 min  
Lab File: BF099475.D  
Acq: 14 Oct 2017 14:27

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 14591  
Ion Ratio Lower Upper  
248 100  
250 198.2 76.9 115.3#  
141 456.7 74.4 111.6#

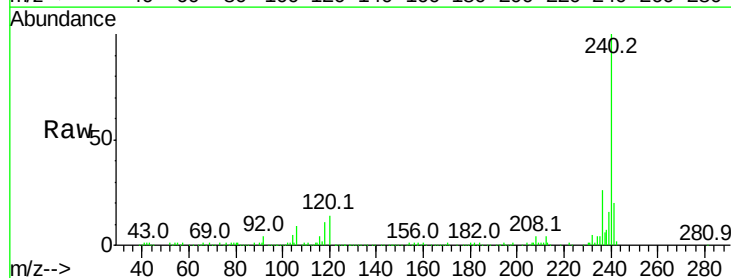


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

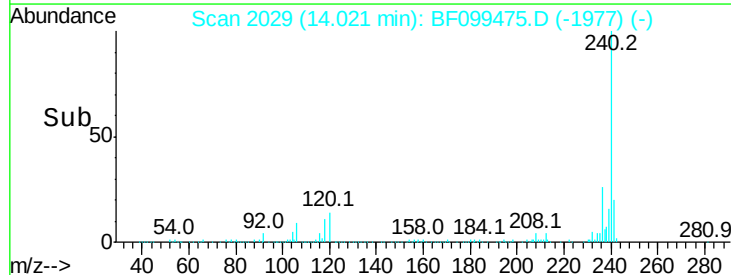
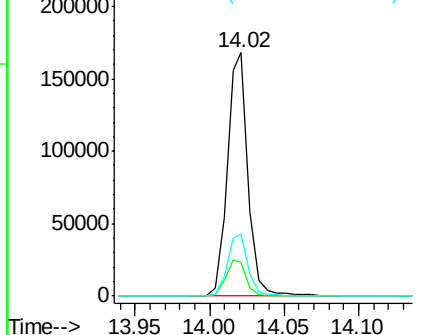


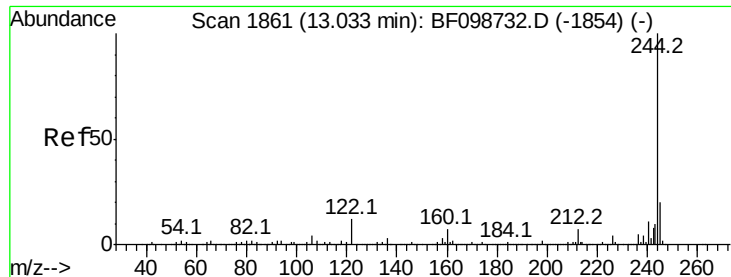
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: BF099475.D  
Acq: 14 Oct 2017 14:27

Tgt Ion:240 Resp: 164276  
Ion Ratio Lower Upper  
240 100  
120 13.8 9.5 14.3  
236 25.6 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





#78

Terphenyl-d14

Concen: 119.888 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF099475.D

Acq: 14 Oct 2017 14:27

Instrument :

BNA\_F

ClientSampleId :

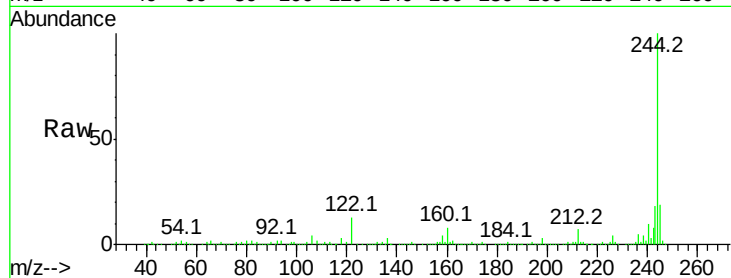
Tot Ion:244 Resp: 866006

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

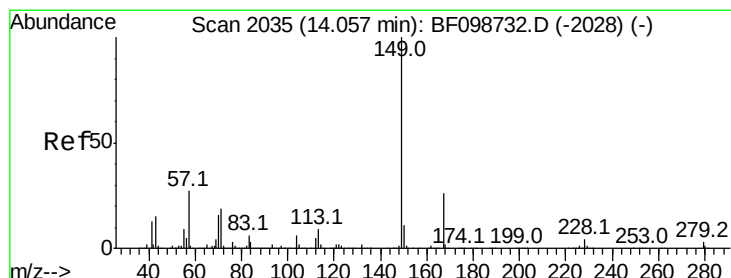
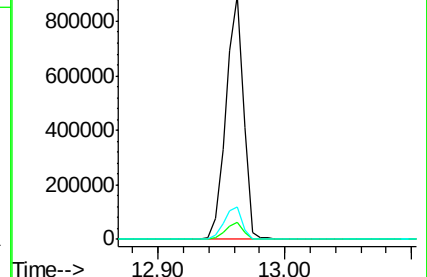
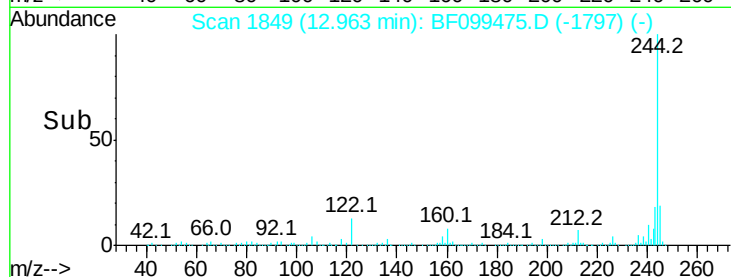
122 13.3 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.942 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF099475.D

Acq: 14 Oct 2017 14:27

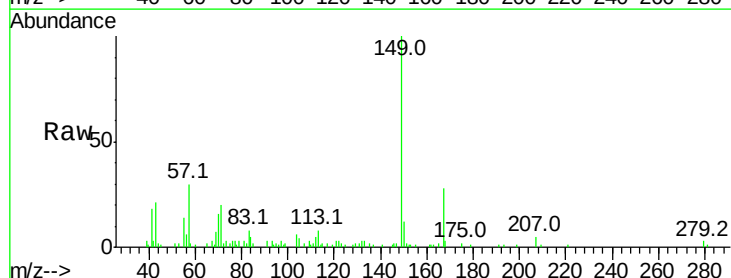
Tgt Ion:149 Resp: 23845

Ion Ratio Lower Upper

149 100

167 28.3 21.3 31.9

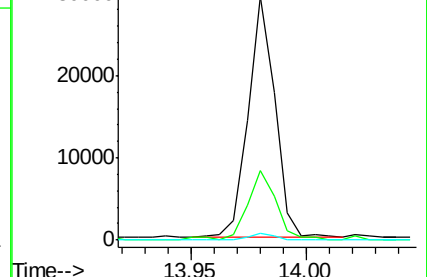
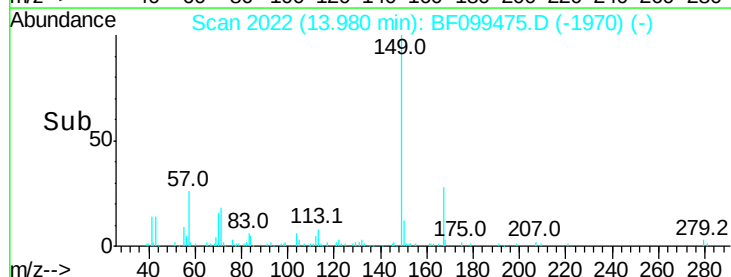
279 2.7 3.0 4.4#

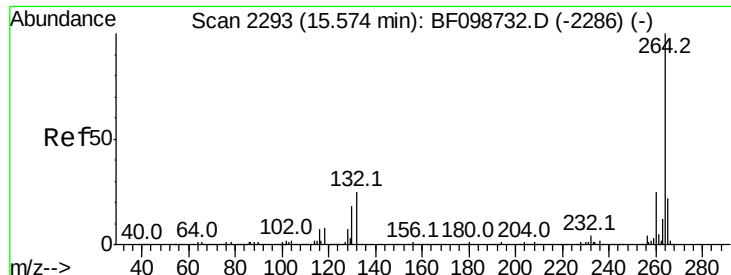


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

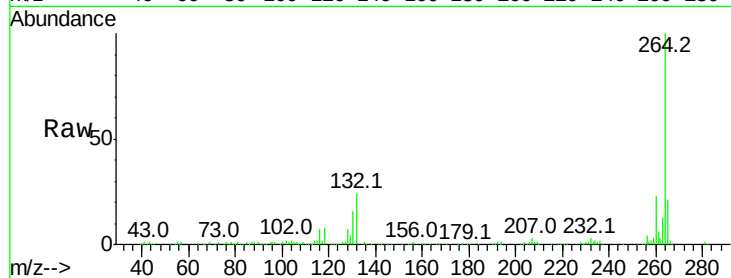




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. 0.01 min  
Lab File: BF099475.D  
Acq: 14 Oct 2017 14:27

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |



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

