

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
 Data File : BF086464.D  
 Acq On : 28 Apr 2016 10:26  
 Operator : UM/SJ  
 Sample : H2660-01DL 15X  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB2-PRE-B10DL

Quant Time: Apr 28 12:31:48 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

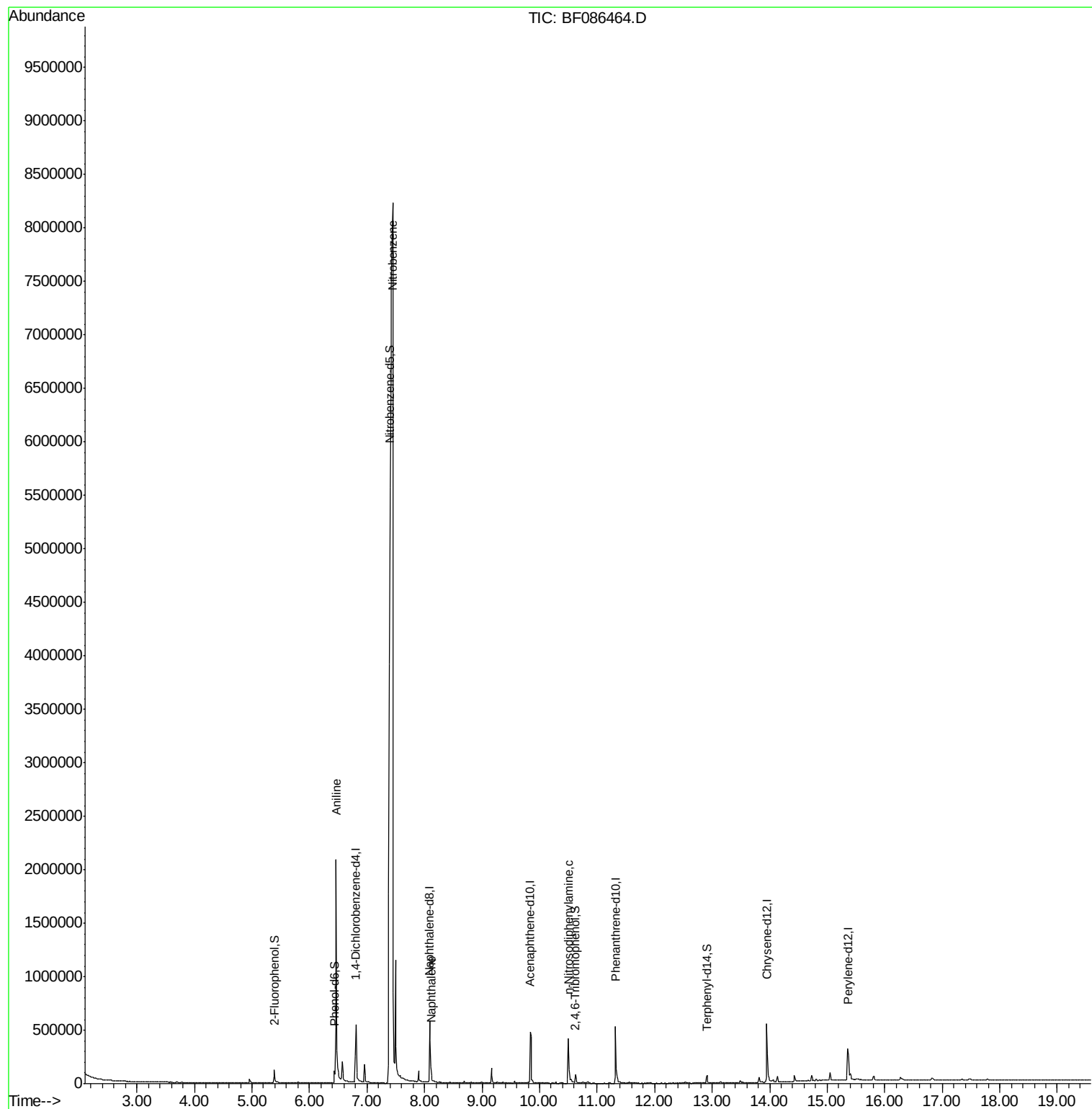
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 96761    | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 373158   | 20.00   | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.84  | 164  | 139259   | 20.00   | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.32 | 188  | 236150   | 20.00   | ng    | 0.00     |
| 75) Chrysene-d12            | 13.95 | 240  | 253893   | 20.00   | ng    | -0.01    |
| 86) Perylene-d12            | 15.36 | 264  | 181692   | 20.00   | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 48066    | 8.57    | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 71847    | 9.18    | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 42389    | 6.12    | ng    | 0.02     |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 10464    | 7.13    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 64773    | 0.88    | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.91 | 244  | 41842    | 3.63    | ng    | 0.00     |
| Target Compounds            |       |      |          |         |       |          |
| 6) Aniline                  | 6.46  | 93   | 796015   | 84.02   | ng    | 92       |
| 24) Nitrobenzene            | 7.45  | 77   | 8713019  | 1223.48 | ng    | 90       |
| 31) Naphthalene             | 8.11  | 128  | 48132    | 2.53    | ng    | 99       |
| 65) n-Nitrosodiphenylamine  | 10.50 | 169  | 146470   | 19.85   | ng    | 99       |

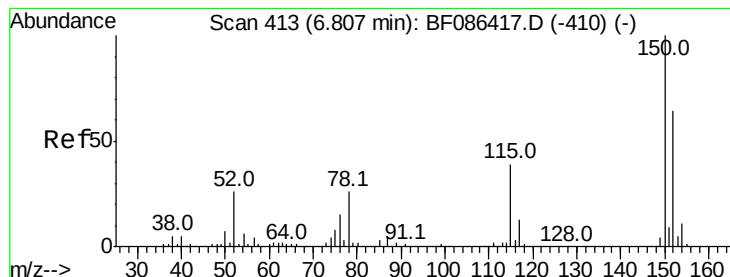
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
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BNA\_F  
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NB2-PRE-B10DL

Quant Time: Apr 28 12:31:48 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 27 14:20:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA\_F

ClientSampleId :

NB2-PRE-B10DL

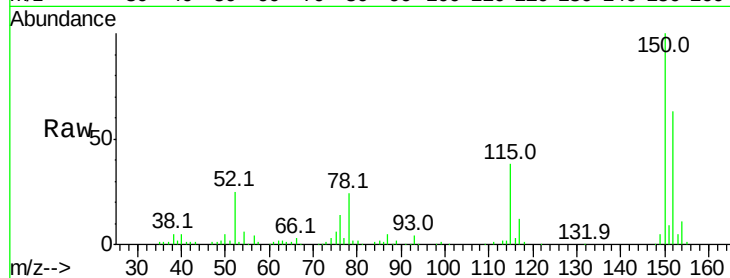
Tot Ion:152 Resp: 96761

Ion Ratio Lower Upper

152 100

150 158.2 125.8 188.6

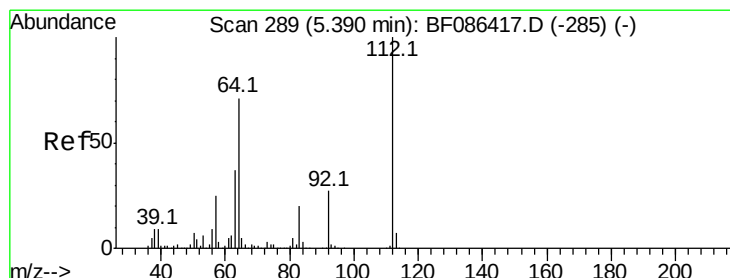
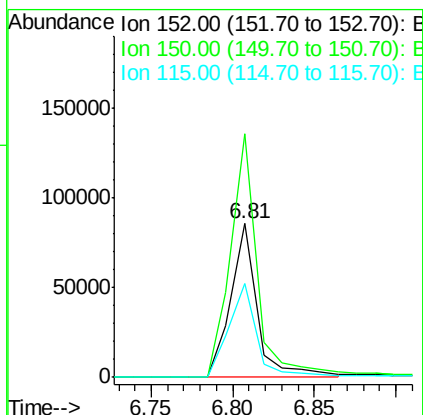
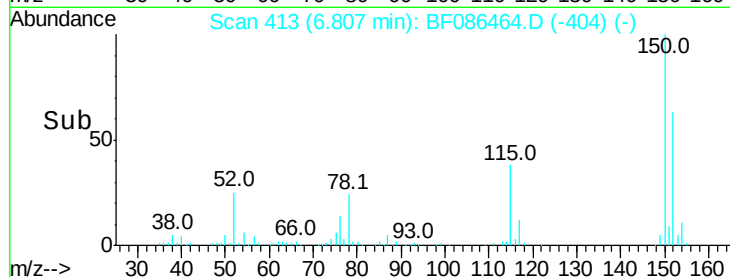
115 60.8 51.5 77.3



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: 8.57 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

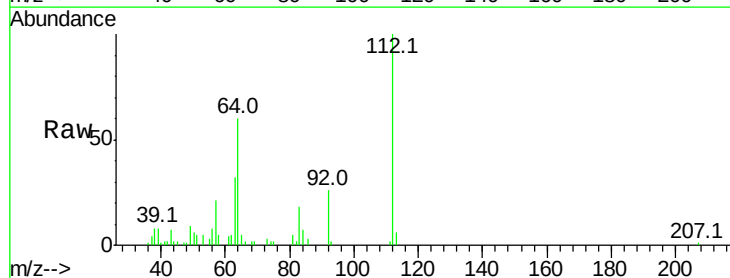
Tgt Ion:112 Resp: 48066

Ion Ratio Lower Upper

112 100

64 60.3 52.1 78.1

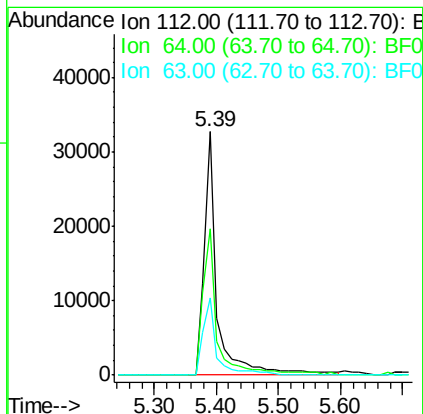
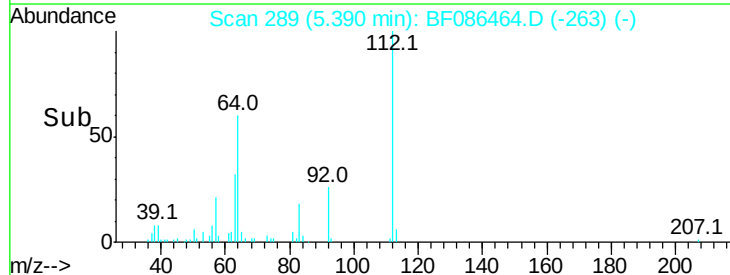
63 32.0 25.7 38.5

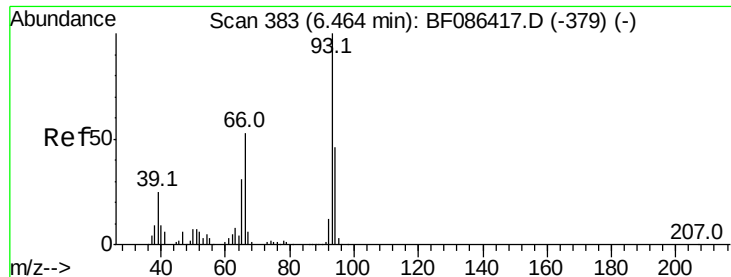


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 84.02 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA\_F

ClientSampleId :

NB2-PRE-B10DL

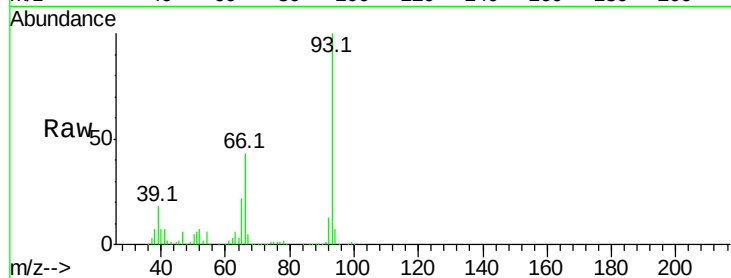
Tot Ion: 93 Resp: 796015

Ion Ratio Lower Upper

93 100

66 42.6 39.0 58.6

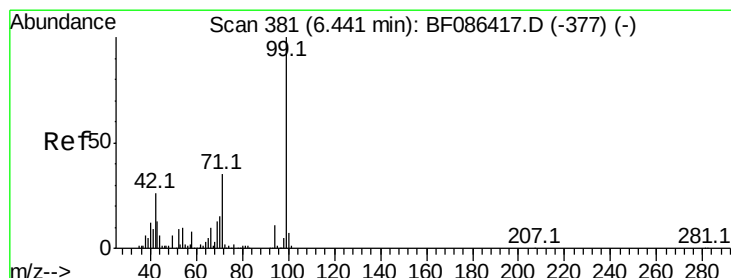
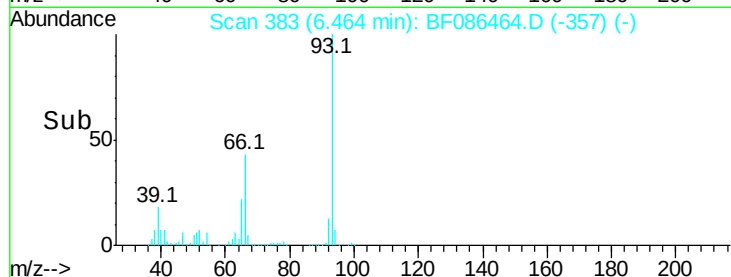
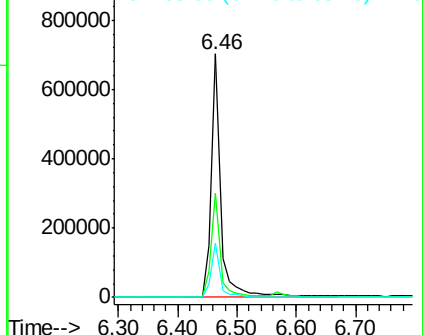
65 22.4 20.6 31.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 9.18 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

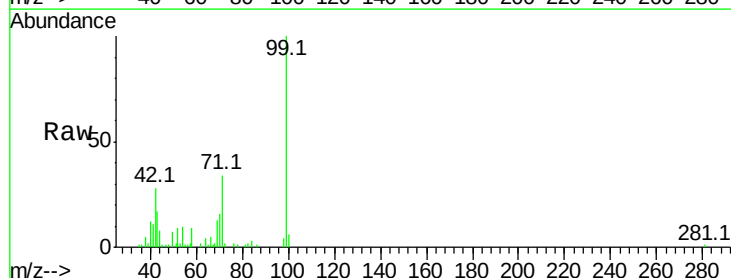
Tgt Ion: 99 Resp: 71847

Ion Ratio Lower Upper

99 100

42 28.2 13.6 20.4#

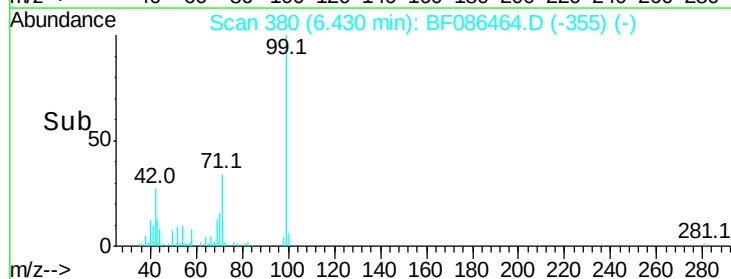
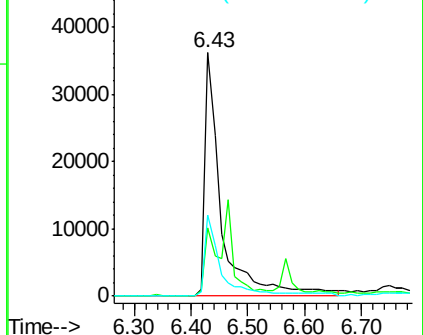
71 33.5 24.6 36.8

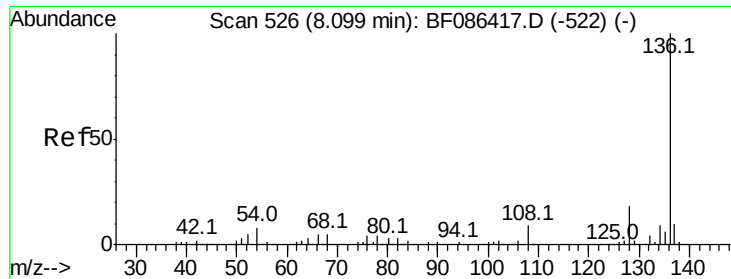


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

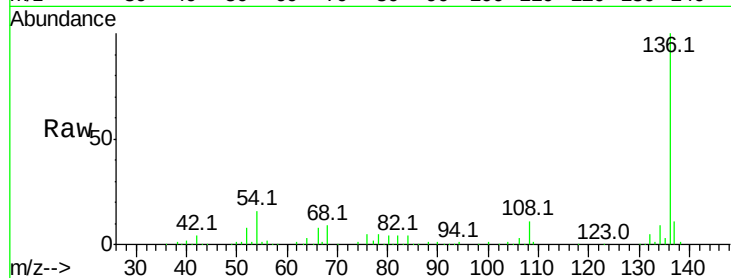




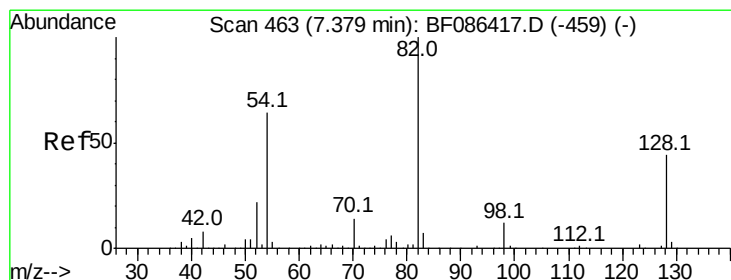
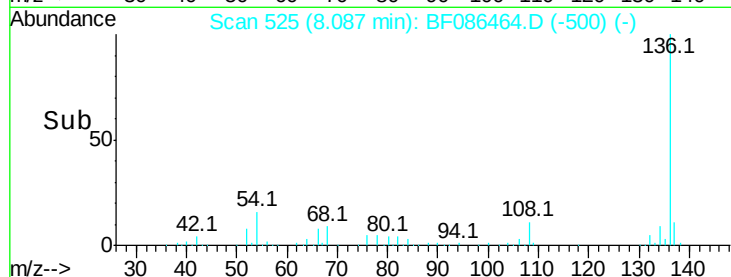
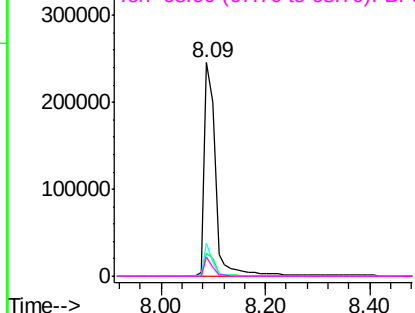
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.01 min  
Lab File: BF086464.D  
Acq: 28 Apr 2016 10:26

Instrument :  
BNA\_F  
ClientSampleId :  
NB2-PRE-B10DL

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 373158   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.8 13.2 |
| 54          | 15.8  | 5.0 7.4# |
| 68          | 9.1   | 4.4 6.6# |

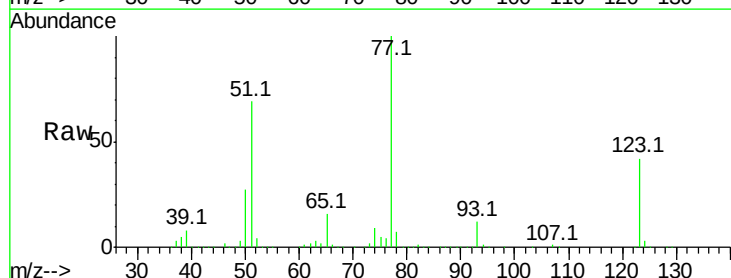


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

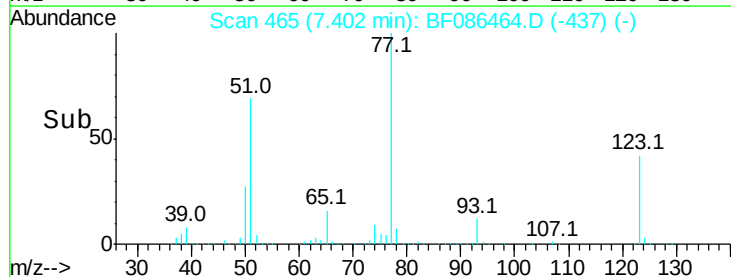
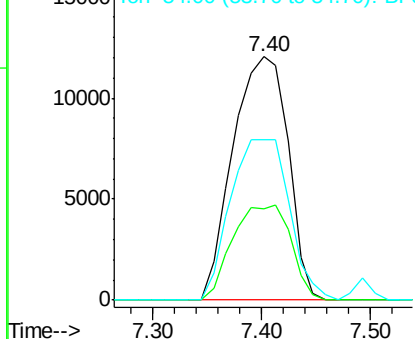


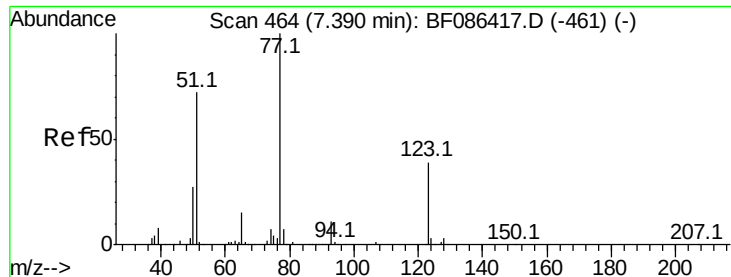
#23  
Nitrobenzene-d5  
Concen: 6.12 ng  
RT: 7.40 min Scan# 465  
Delta R.T. 0.02 min  
Lab File: BF086464.D  
Acq: 28 Apr 2016 10:26

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 42389      |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 37.6  | 40.6 61.0# |
| 54          | 66.1  | 38.1 57.1# |



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





#24

Nitrobenzene

Concen: 1223.48 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.06 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

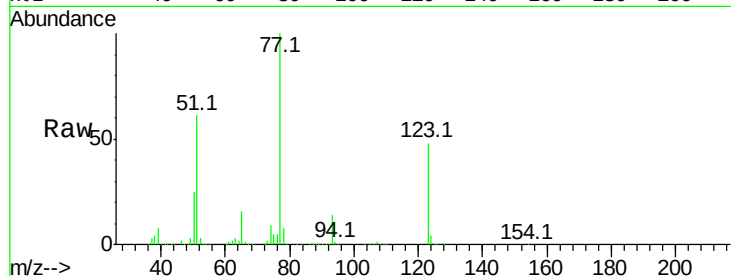
BNA\_F

ClientSampleId :

NB2-PRE-B10DL

Tot Ion: 77 Resp: 8713019

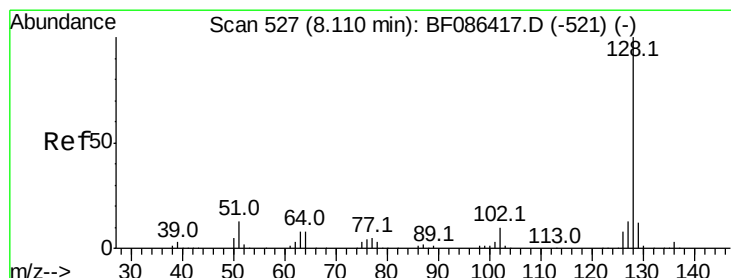
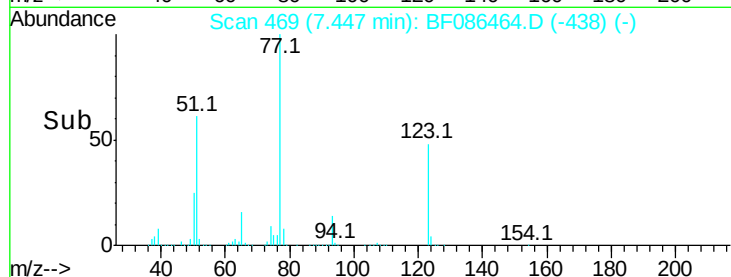
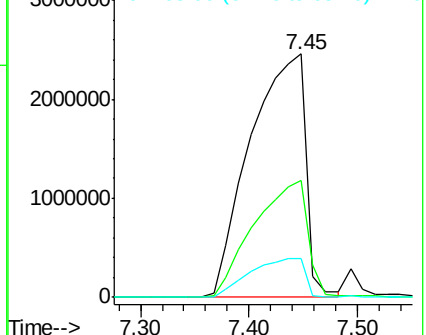
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 48.1  | 33.0  | 49.4  |
| 65  | 16.2  | 10.8  | 16.2  |



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#31

Naphthalene

Concen: 2.53 ng

RT: 8.11 min Scan# 527

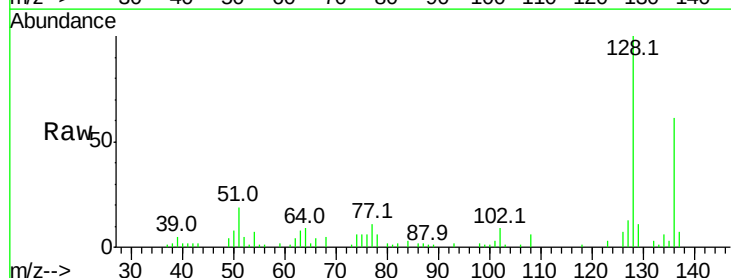
Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Tgt Ion: 128 Resp: 48132

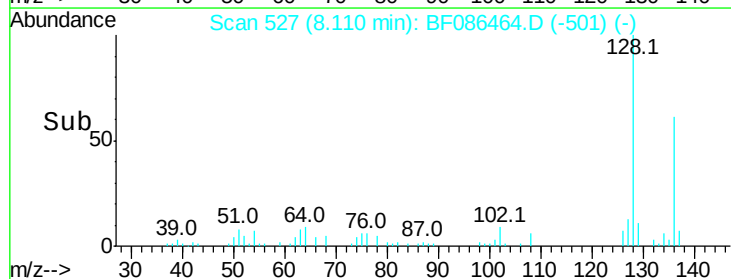
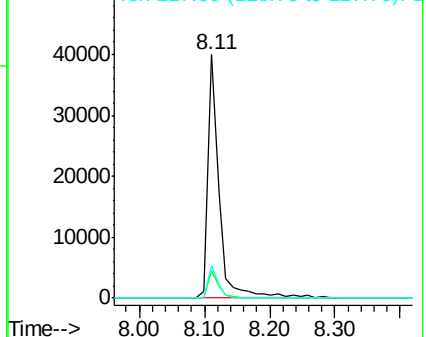
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.5  | 8.6   | 13.0  |
| 127 | 13.2  | 10.8  | 16.2  |

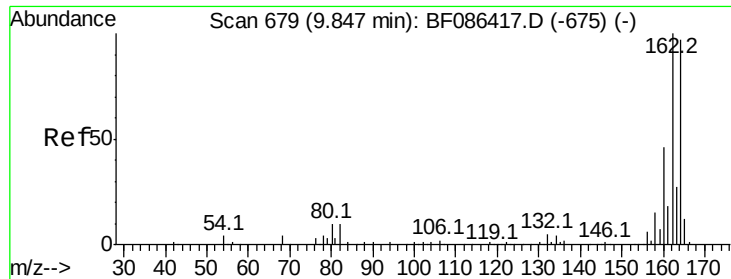


Abundance Ion 128.00 (127.70 to 128.70): BF0

Ion 129.00 (128.70 to 129.70): BF0

Ion 127.00 (126.70 to 127.70): BF0

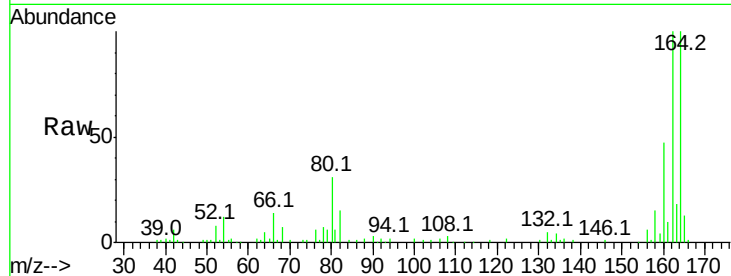




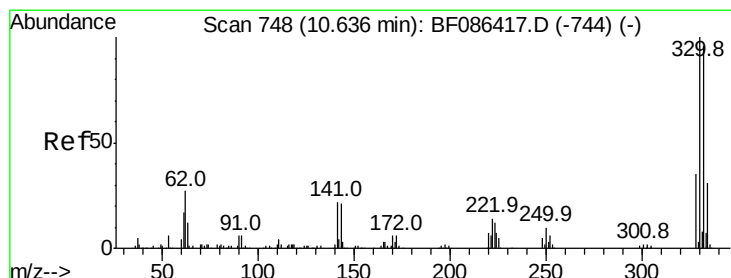
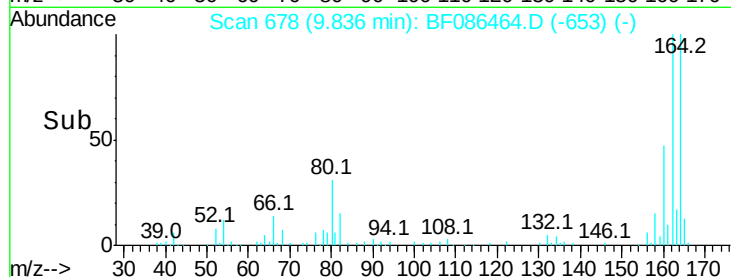
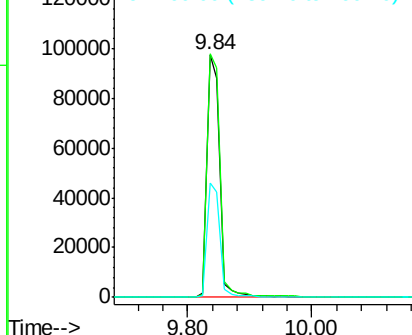
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.84 min Scan# 678  
 Delta R.T. -0.01 min  
 Lab File: BF086464.D  
 Acq: 28 Apr 2016 10:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB2-PRE-B10DL

Tot Ion:164 Resp: 139259  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 82.8 124.2  
 160 46.9 36.9 55.3

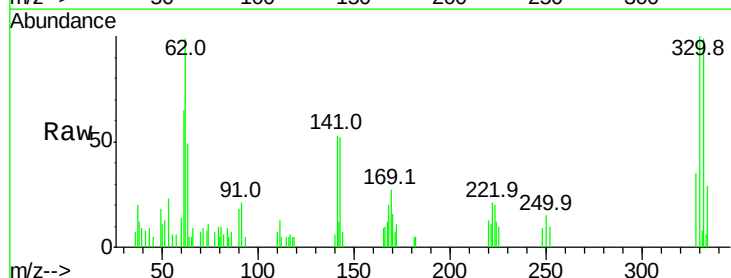


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

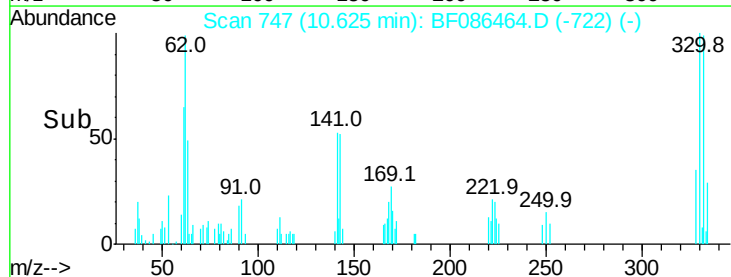
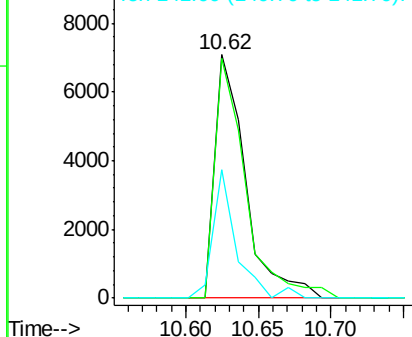


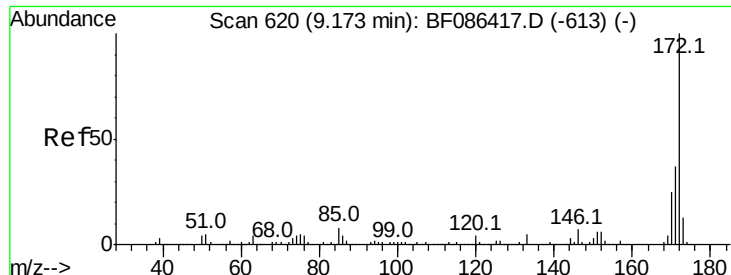
#41  
 2,4,6-Tribromophenol  
 Concen: 7.13 ng  
 RT: 10.62 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF086464.D  
 Acq: 28 Apr 2016 10:26

Tgt Ion:330 Resp: 10464  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 79.0 118.4  
 141 40.0 31.2 46.8



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

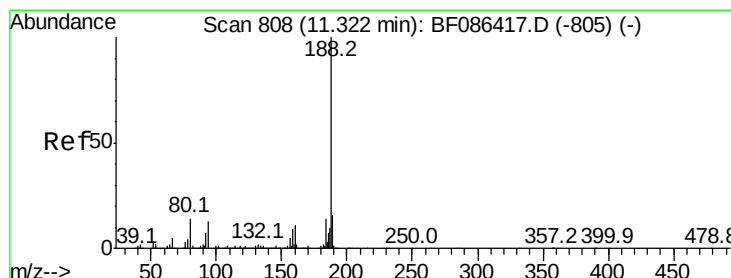
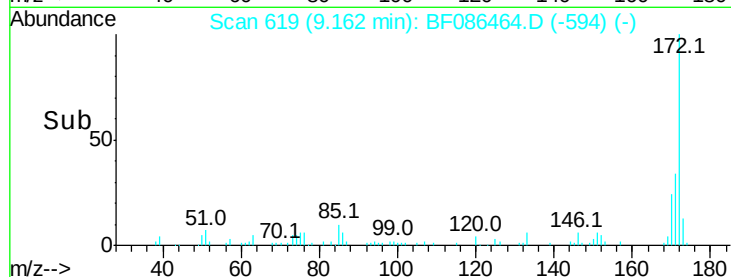
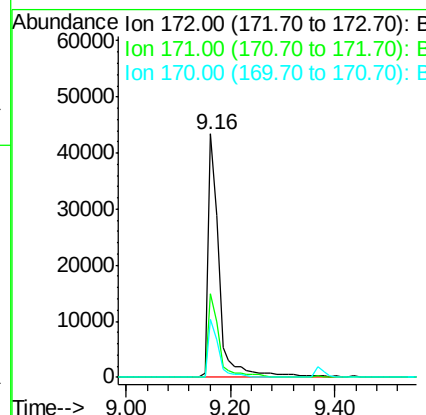
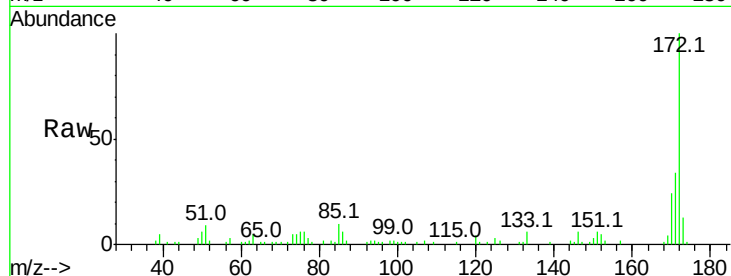




#44  
 2-Fluorobiphenyl  
 Concen: 0.88 ng  
 RT: 9.16 min Scan# 619  
 Delta R.T. -0.01 min  
 Lab File: BF086464.D  
 Acq: 28 Apr 2016 10:26

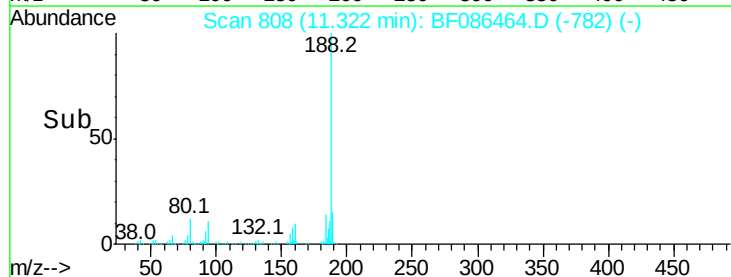
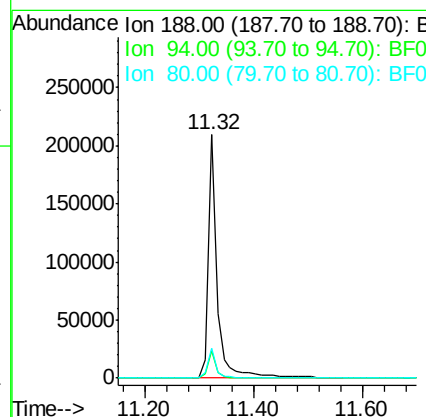
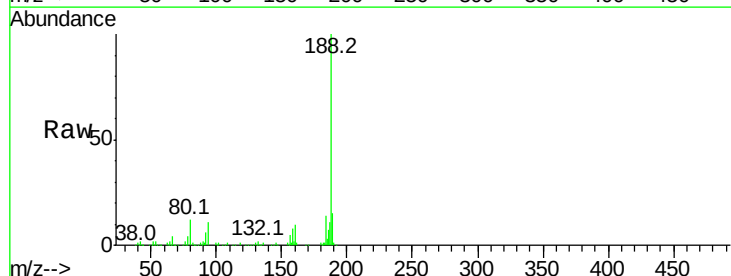
Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB2-PRE-B10DL

Tot Ion:172 Resp: 64773  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 29.0 43.6  
 170 23.8 19.8 29.8

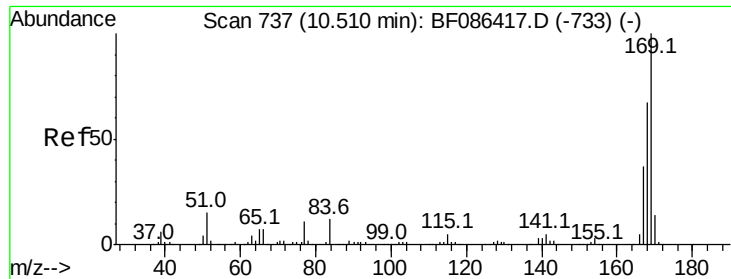


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.32 min Scan# 808  
 Delta R.T. 0.00 min  
 Lab File: BF086464.D  
 Acq: 28 Apr 2016 10:26

Tgt Ion:188 Resp: 236150  
 Ion Ratio Lower Upper  
 188 100  
 94 11.1 6.8 10.2#  
 80 12.0 7.1 10.7#



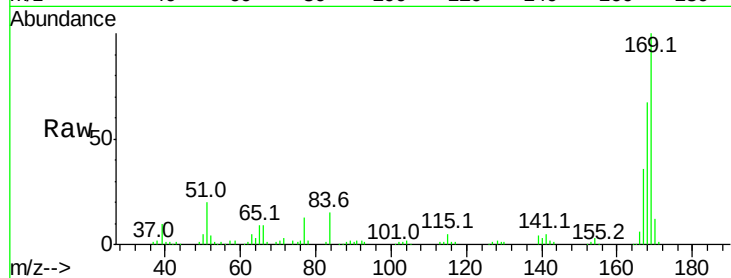




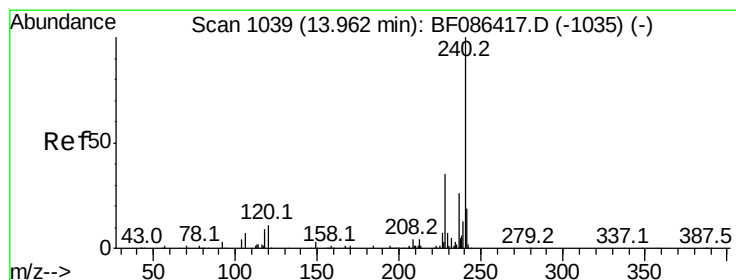
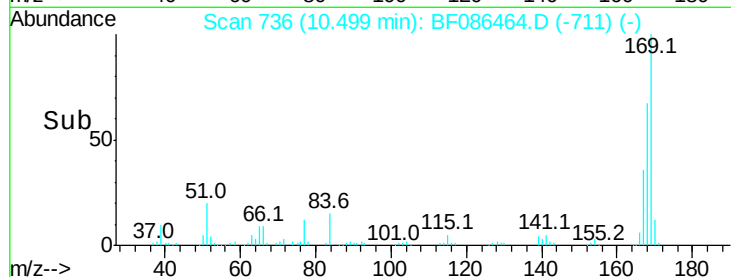
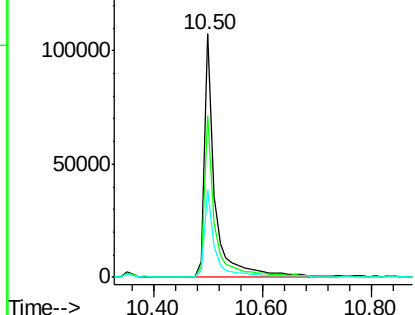
#65  
n-Nitrosodiphenylamine  
Concen: 19.85 ng  
RT: 10.50 min Scan# 736  
Delta R.T. -0.01 min  
Lab File: BF086464.D  
Acq: 28 Apr 2016 10:26

Instrument :  
BNA\_F  
ClientSampleId :  
NB2-PRE-B10DL

Tot Ion:169 Resp: 146470  
Ion Ratio Lower Upper  
169 100  
168 66.6 53.8 80.6  
167 35.9 29.5 44.3

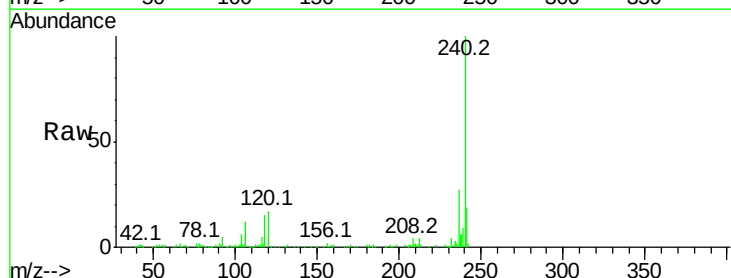


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

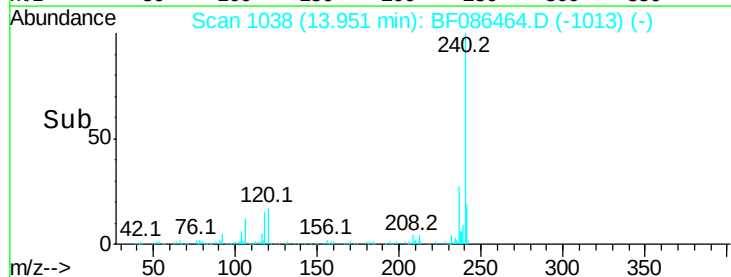
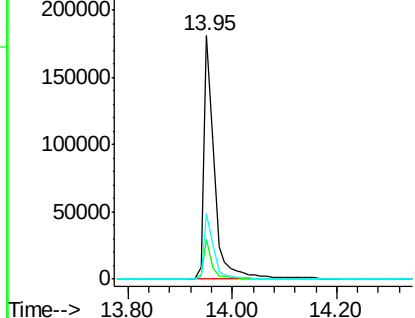


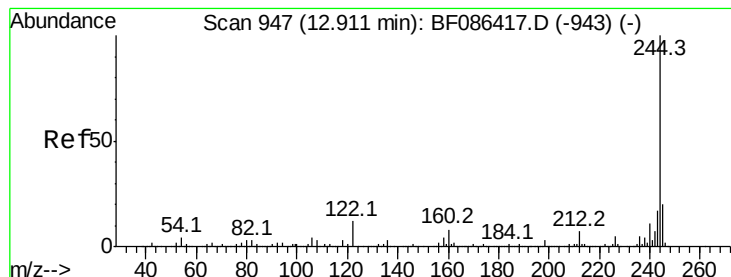
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF086464.D  
Acq: 28 Apr 2016 10:26

Tgt Ion:240 Resp: 253893  
Ion Ratio Lower Upper  
240 100  
120 16.7 11.2 16.8  
236 26.8 21.2 31.8



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: 3.63 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA\_F

ClientSampleId :

NB2-PRE-B10DL

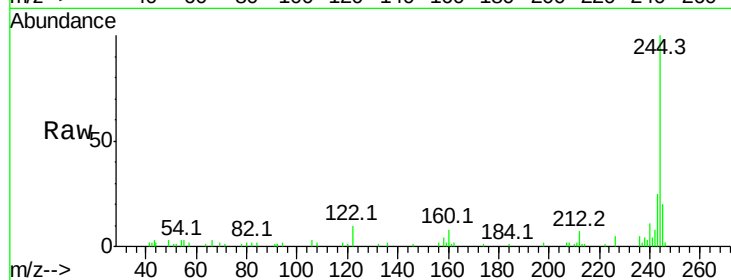
Tot Ion:244 Resp: 41842

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

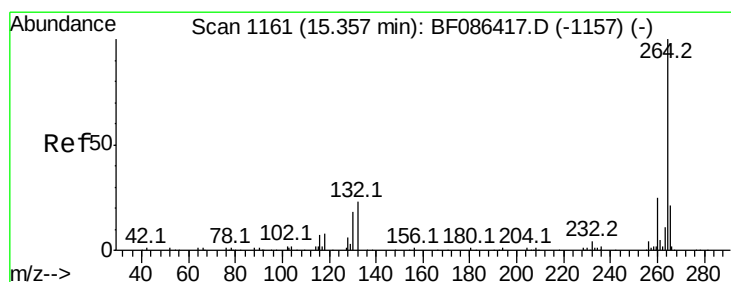
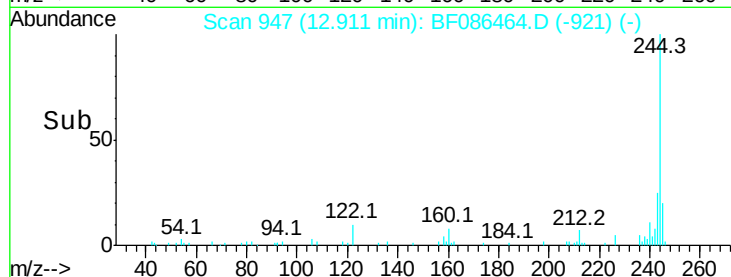
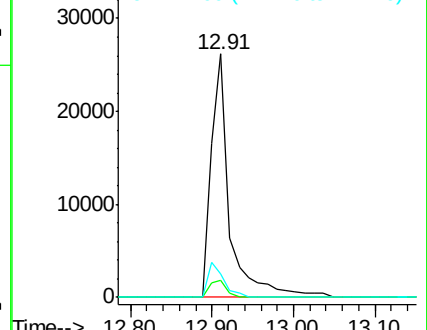
122 9.8 12.0 18.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

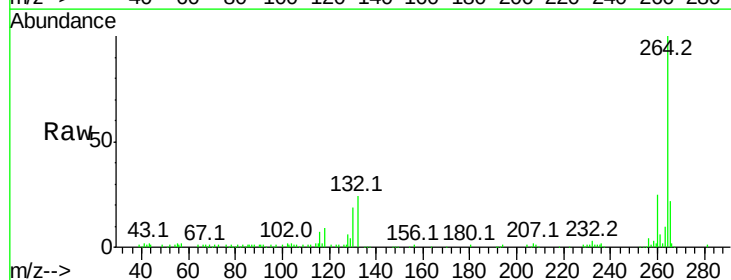
Tgt Ion:264 Resp: 181692

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 22.1 17.3 25.9



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

