

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
 Data File : BF084355.D  
 Acq On : 10 Jan 2016 10:41  
 Operator : SJ/UM  
 Sample : H1043-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1N(0-10)

Quant Time: Jan 11 03:53:44 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 12:22:40 2016  
 Response via : Initial Calibration

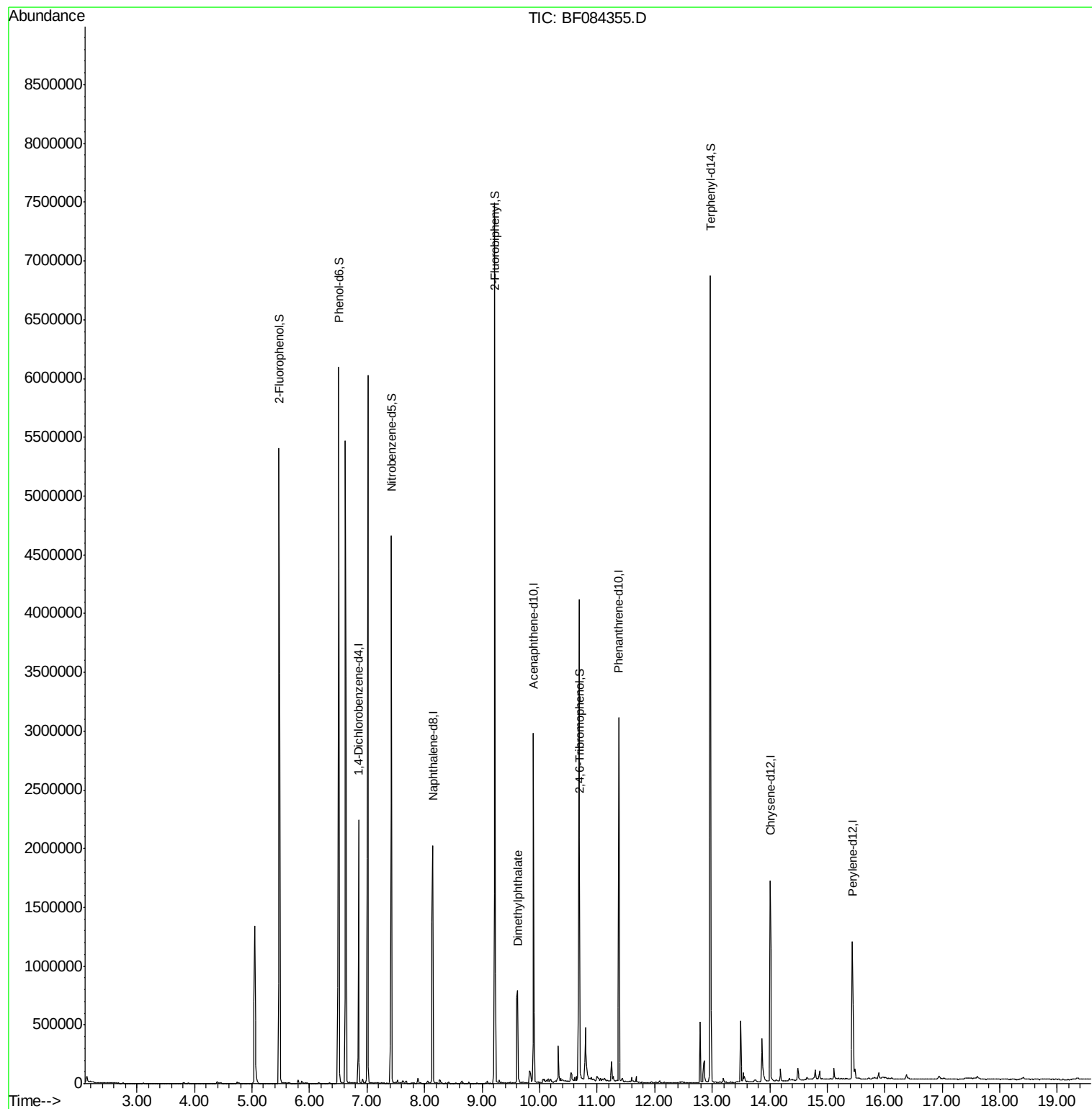
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 285647   | 20.00  | ng    | -0.05          |
| 21) Naphthalene-d8          | 8.14  | 136  | 1172533  | 20.00  | ng    | -0.05          |
| 38) Acenaphthene-d10        | 9.89  | 164  | 559950   | 20.00  | ng    | -0.06          |
| 63) Phenanthrene-d10        | 11.38 | 188  | 1029021  | 20.00  | ng    | -0.05          |
| 75) Chrysene-d12            | 14.01 | 240  | 763805   | 20.00  | ng    | -0.06          |
| 86) Perylene-d12            | 15.44 | 264  | 560420   | 20.00  | ng    | -0.07          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.47  | 112  | 1879538  | 106.43 | ng    | -0.02          |
| 7) Phenol-d6                | 6.51  | 99   | 2585789  | 116.58 | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1665526  | 79.06  | ng    | -0.05          |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 620445   | 109.75 | ng    | -0.05          |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 2196304  | 67.71  | ng    | -0.04          |
| 78) Terphenyl-d14           | 12.97 | 244  | 2033170  | 59.42  | ng    | -0.05          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.62  | 163  | 483210   | 12.07  | ng    | Qvalue<br># 91 |

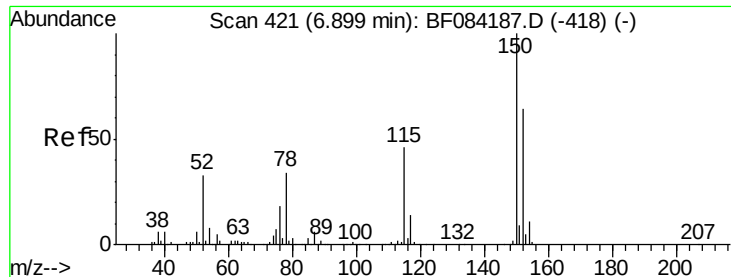
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
ClientSampleId :  
SB-1N(0-10)

Quant Time: Jan 11 03:53:44 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 04 12:22:40 2016  
Response via : Initial Calibration



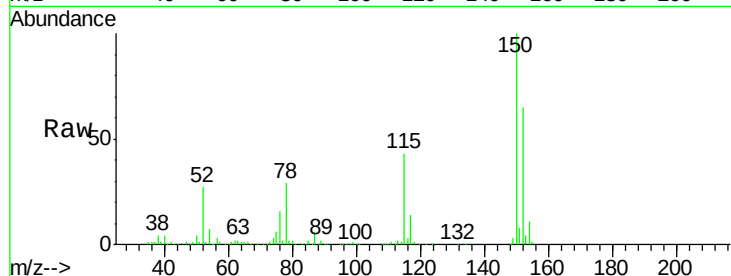


#1

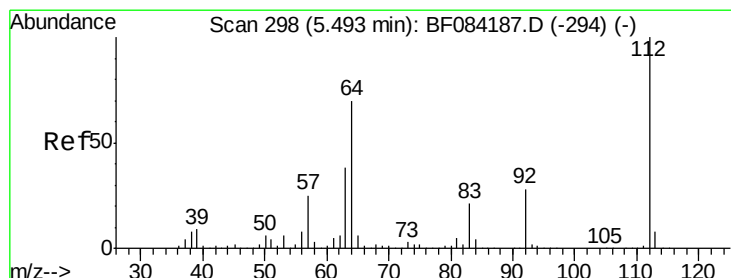
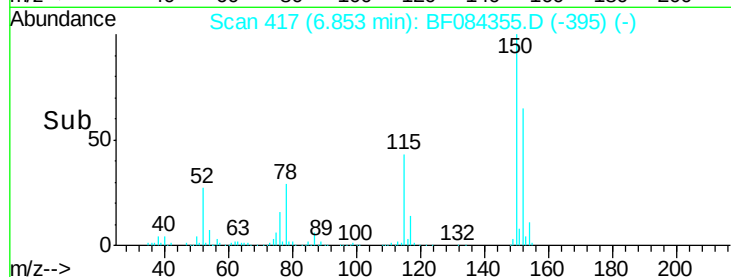
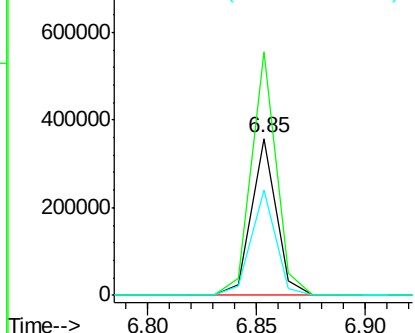
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 417  
Delta R.T. -0.05 min  
Lab File: BF084355.D  
Acq: 10 Jan 2016 10:41

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1N(0-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 123.0 | 184.4 |
| 115     | 67.3  | 51.4  | 77.2  |



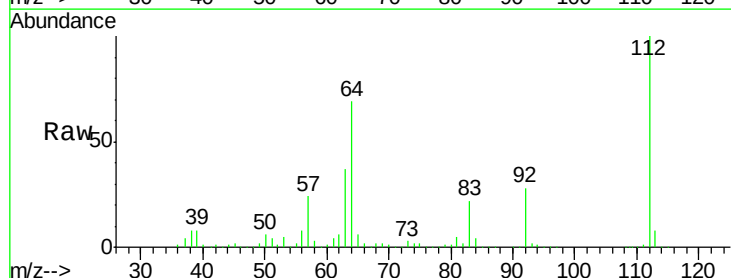
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



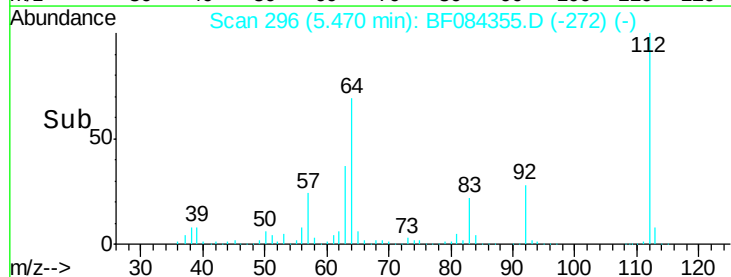
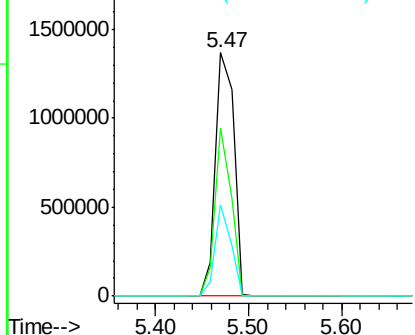
#5

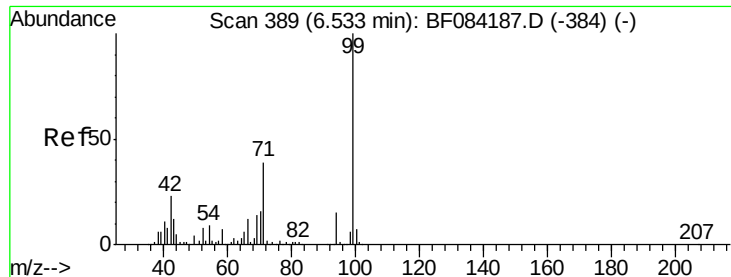
2-Fluorophenol  
Concen: 106.43 ng  
RT: 5.47 min Scan# 296  
Delta R.T. -0.02 min  
Lab File: BF084355.D  
Acq: 10 Jan 2016 10:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.0  | 36.6  | 55.0# |
| 63      | 37.2  | 19.4  | 29.0# |



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: 116.58 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084355.D

Acq: 10 Jan 2016 10:41

Instrument :

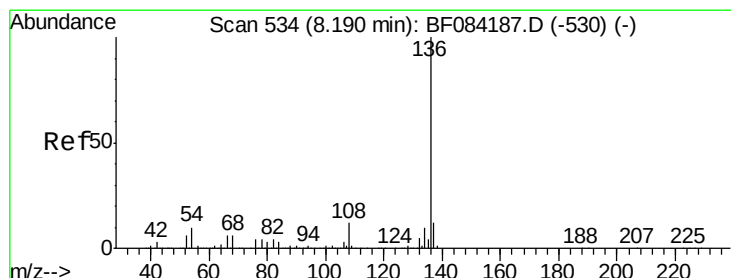
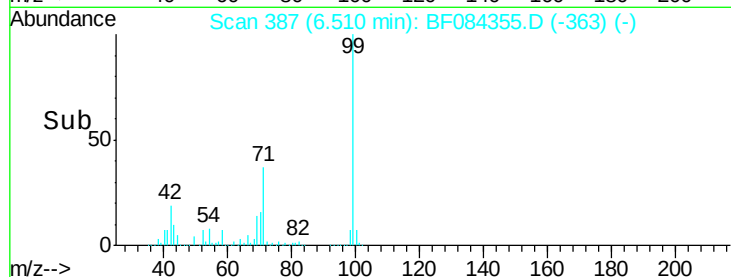
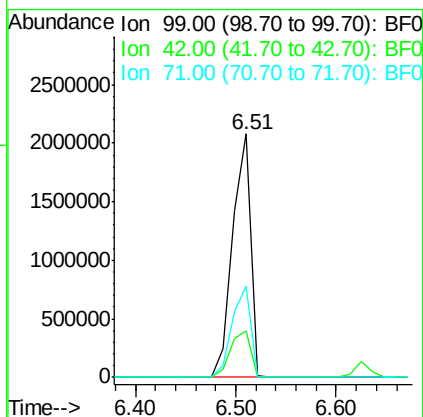
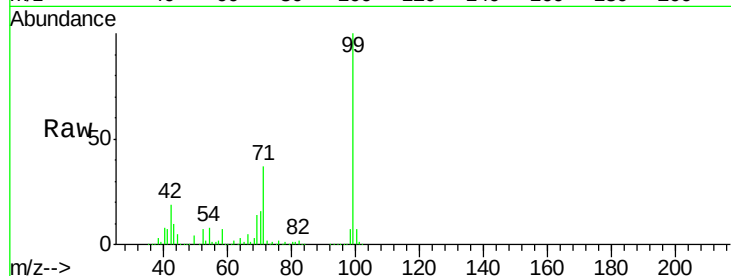
BNA\_F

ClientSampleId :

SB-1N(0-10)

Tot Ion: 99 Resp: 2585789

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.2  | 12.8  | 19.2# |
| 71  | 37.4  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

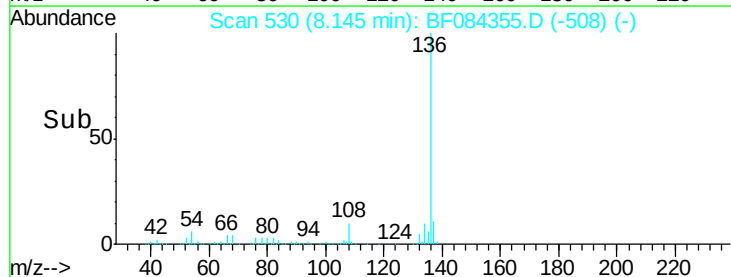
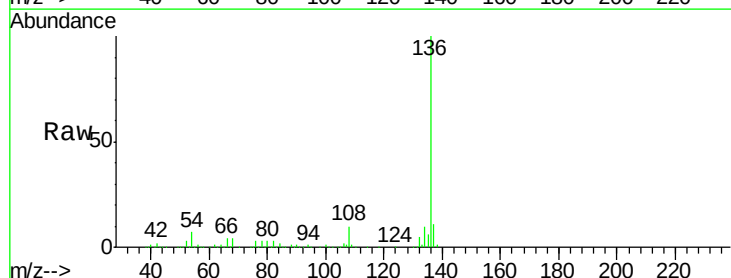
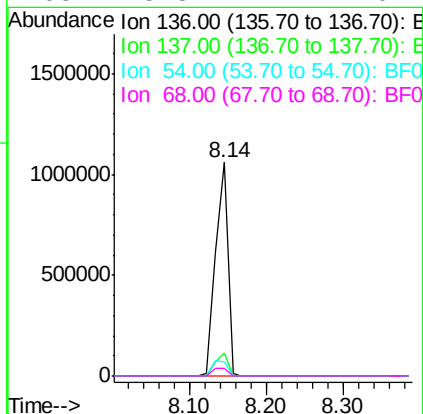
Delta R.T. -0.05 min

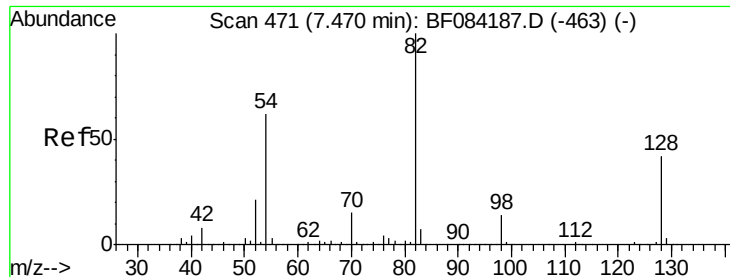
Lab File: BF084355.D

Acq: 10 Jan 2016 10:41

Tgt Ion: 136 Resp: 1172533

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.7   | 13.1  |
| 54  | 6.5   | 5.8   | 8.8   |
| 68  | 3.8   | 4.2   | 6.2#  |

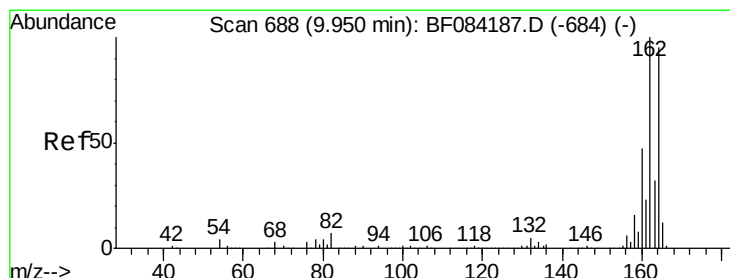
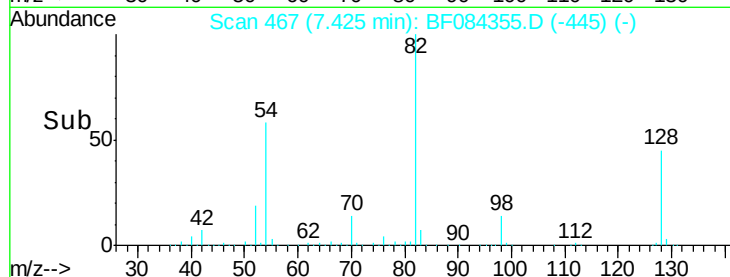
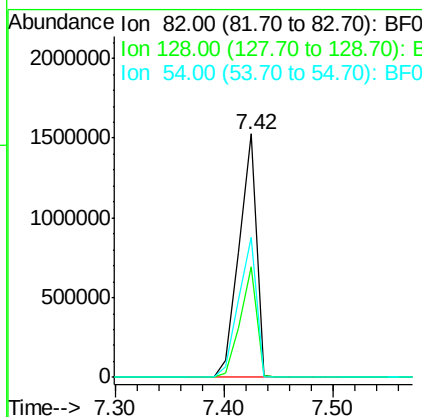
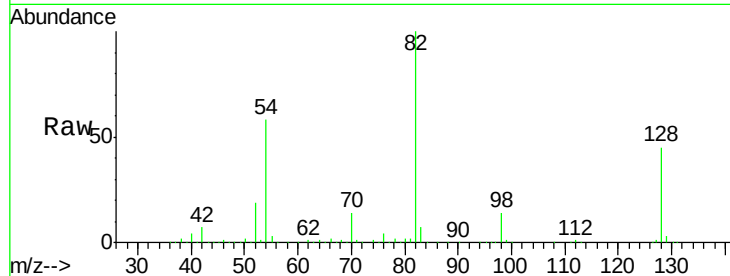




#23  
 Nitrobenzene-d5  
 Concen: 79.06 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. -0.05 min  
 Lab File: BF084355.D  
 Acq: 10 Jan 2016 10:41

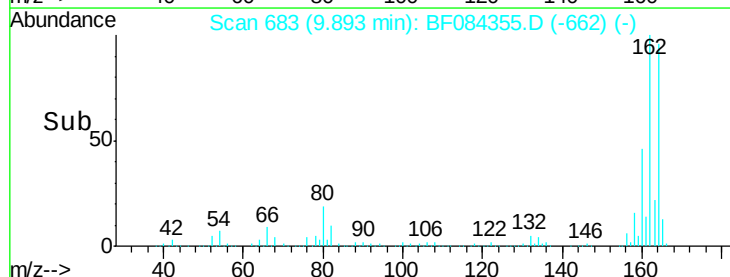
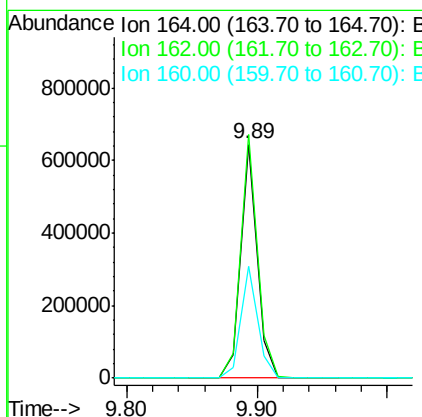
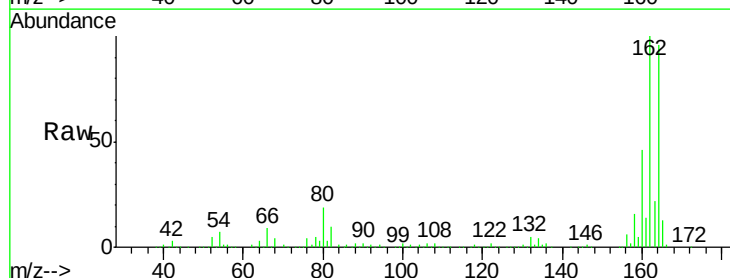
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1N(0-10)

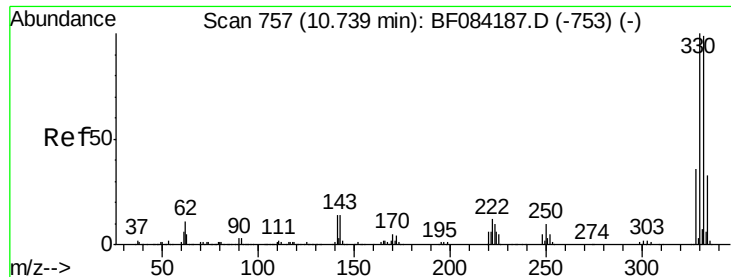
Tot Ion: 82 Resp: 1665526  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 34.6 51.8  
 54 57.6 38.4 57.6#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. -0.06 min  
 Lab File: BF084355.D  
 Acq: 10 Jan 2016 10:41

Tgt Ion: 164 Resp: 559950  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 85.1 127.7  
 160 47.7 37.5 56.3

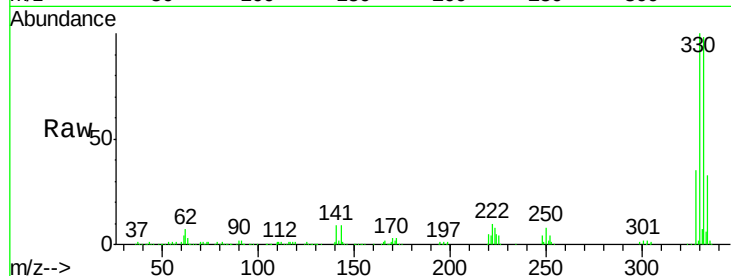




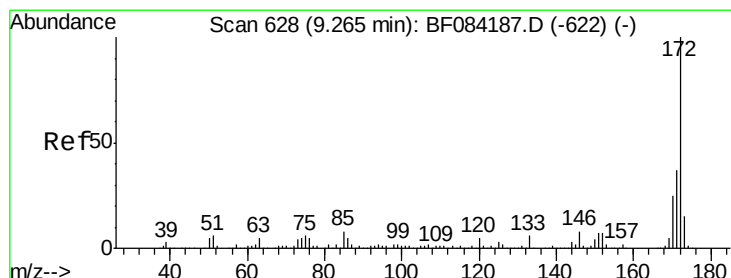
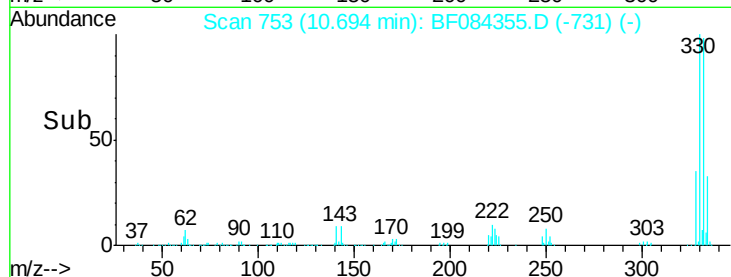
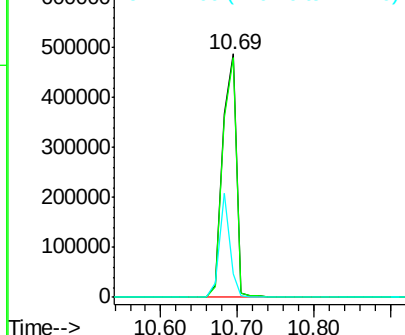
#41  
 2,4,6-Tribromophenol  
 Concen: 109.75 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.05 min  
 Lab File: BF084355.D  
 Acq: 10 Jan 2016 10:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1N(0-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.3  | 76.6  | 114.8 |
| 141     | 32.1  | 27.8  | 41.6  |

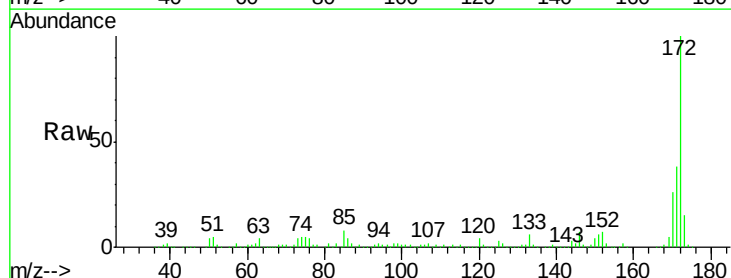


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

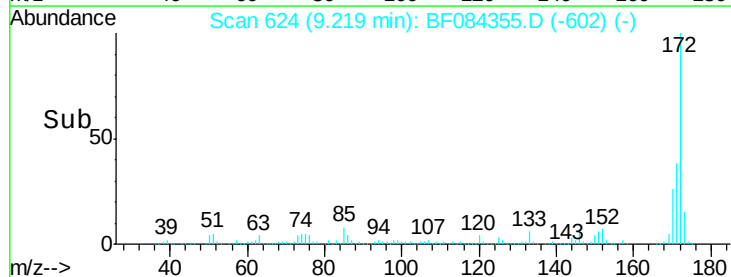
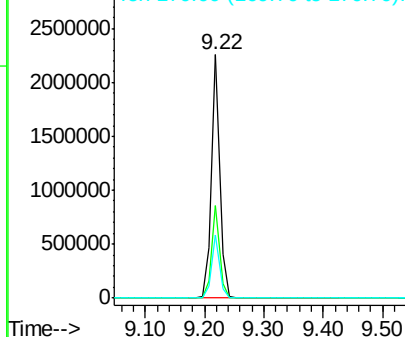


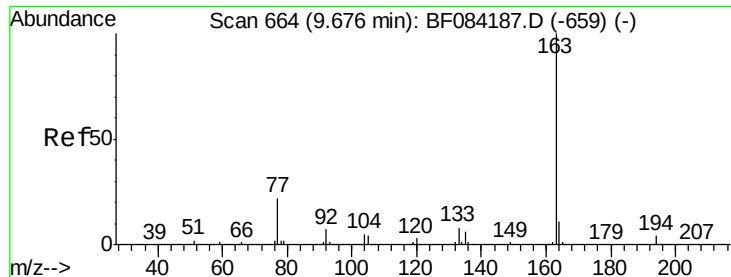
#44  
 2-Fluorobiphenyl  
 Concen: 67.71 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. -0.04 min  
 Lab File: BF084355.D  
 Acq: 10 Jan 2016 10:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 28.9  | 43.3  |
| 170     | 25.9  | 18.6  | 27.8  |



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





#49

Dimethylphthalate

Concen: 12.07 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084355.D

Acq: 10 Jan 2016 10:41

Instrument :

BNA\_F

ClientSampleId :

SB-1N(0-10)

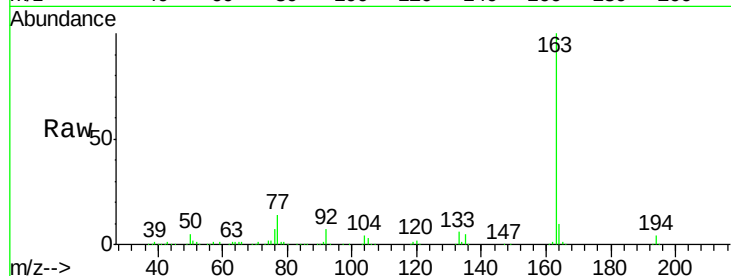
Tot Ion:163 Resp: 483210

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

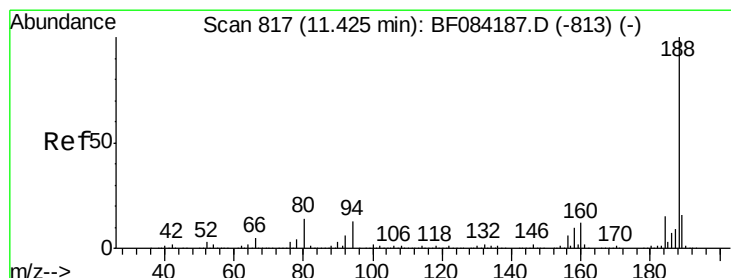
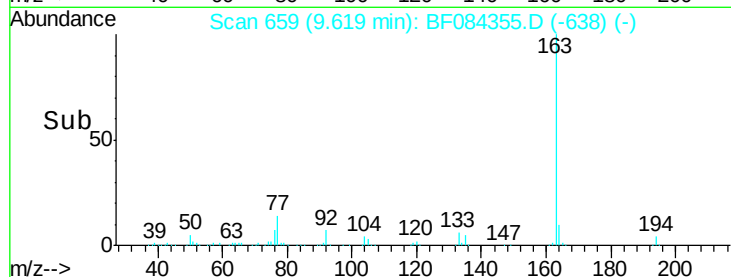
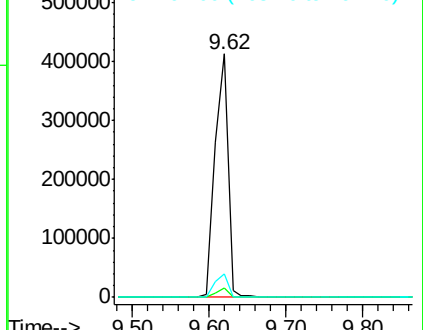
164 9.6 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084355.D

Acq: 10 Jan 2016 10:41

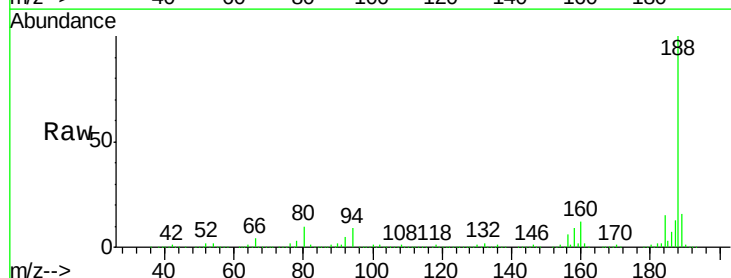
Tgt Ion:188 Resp: 1029021

Ion Ratio Lower Upper

188 100

94 9.0 9.0 13.4

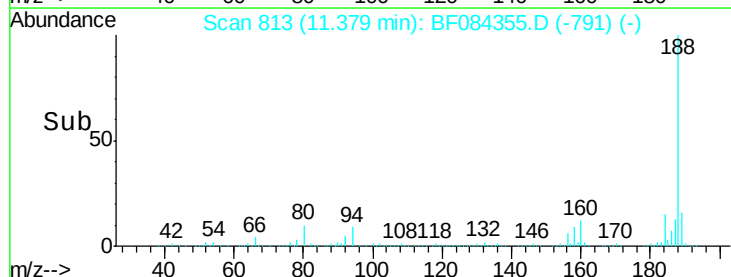
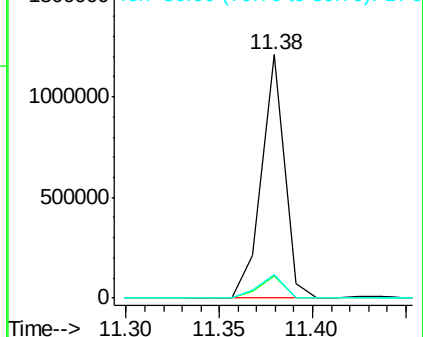
80 9.5 9.6 14.4#

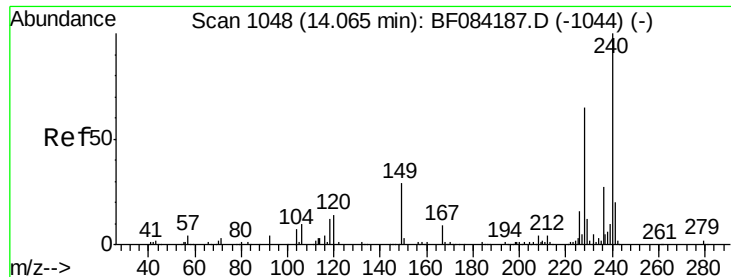


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084355.D

Acq: 10 Jan 2016 10:41

Instrument :

BNA\_F

ClientSampleId :

SB-1N(0-10)

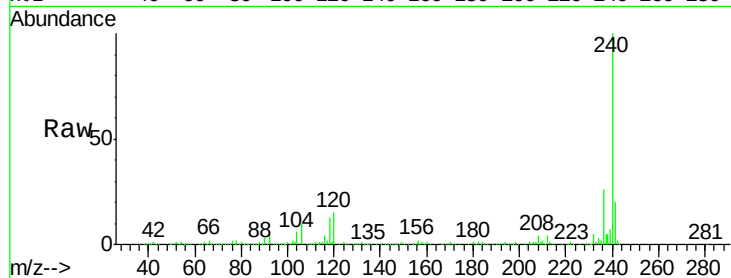
Tot Ion:240 Resp: 763805

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

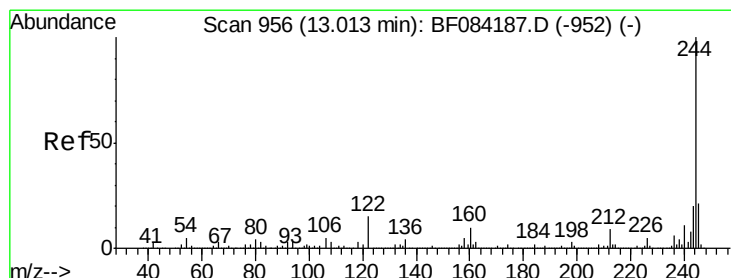
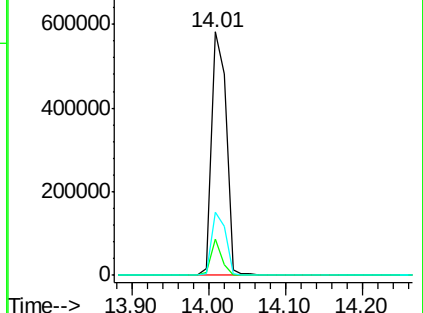
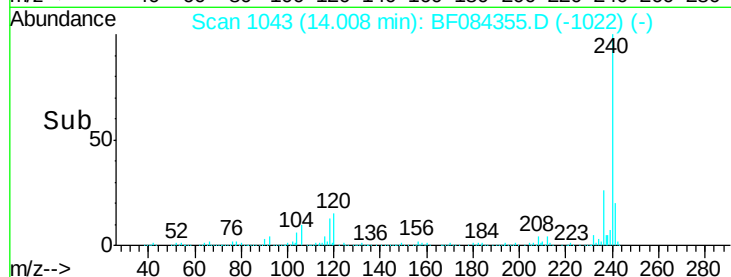
236 26.1 20.6 31.0



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: 59.42 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084355.D

Acq: 10 Jan 2016 10:41

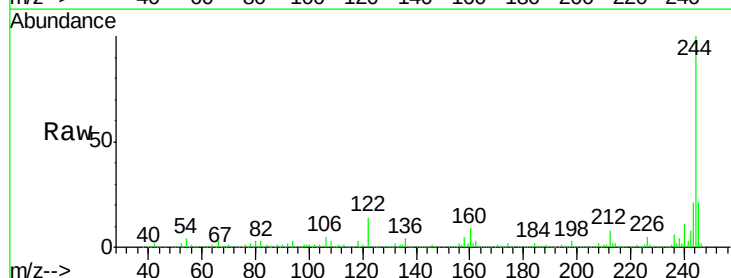
Tgt Ion:244 Resp: 2033170

Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

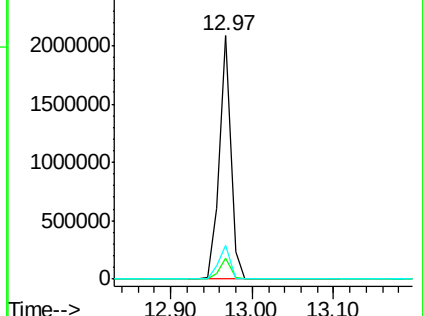
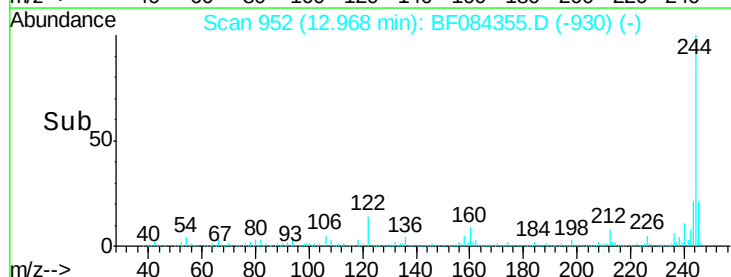
122 14.0 7.4 11.0#



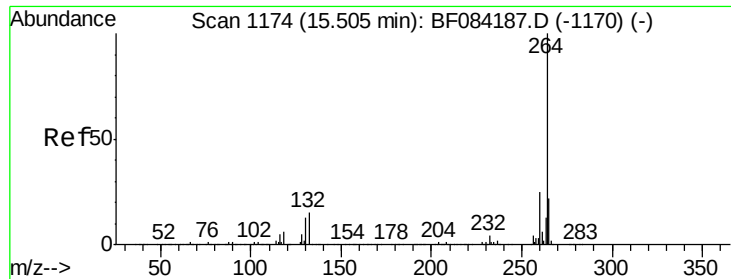
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.44 min Scan# 1168  
Delta R.T. -0.07 min  
Lab File: BF084355.D  
Acq: 10 Jan 2016 10:41

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1N(0-10)

Tot Ion: 264 Resp: 560420  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 19.4  | 29.2  |
| 265 | 21.2  | 17.8  | 26.6  |

