

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\  
 Data File : BF078389.D  
 Acq On : 10 Apr 2015 7:48  
 Operator : TP/IZ  
 Sample : G1782-22 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FD03

Manual Integrations  
 APPROVED

apatel  
 4/10/2015 5:13:31 PM

Quant Time: Apr 10 07:28:54 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 10 01:53:29 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 34283    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.46  | 136  | 142383   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.63 | 164  | 71480    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 12.45 | 188  | 136848   | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12               | 15.72 | 240  | 140104   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12               | 17.46 | 264  | 119330   | 20.00 | ng    | 0.05     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.15  | 112  | 39481    | 18.99 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 51027    | 19.58 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.58  | 82   | 28507    | 12.14 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.60 | 330  | 11712    | 19.76 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.81  | 172  | 61986    | 12.40 | ng    | 0.00     |
| 78) Terphenyl-d14              | 14.44 | 244  | 71018    | 11.45 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 20) 3+4-Methylphenols          | 7.45  | 107  | 45733    | 17.96 | ng    | 95       |
| 32) Benzoic acid               | 8.22  | 122  | 29411m   | 31.06 | ng    |          |
| 83) Bis(2-ethylhexyl)phthalate | 15.80 | 149  | 35955    | 6.84  | ng    | 98       |

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

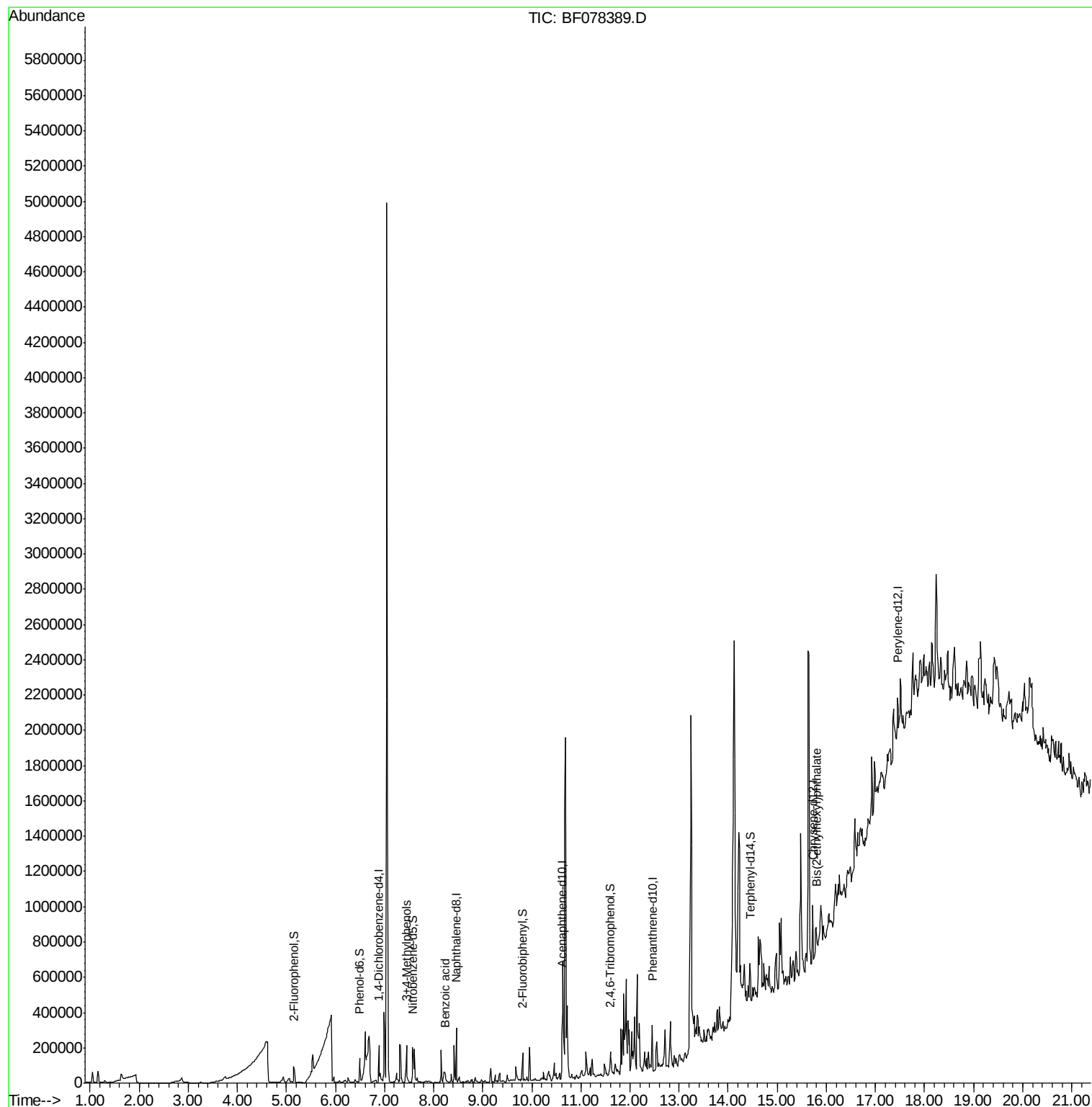
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\  
Data File : BF078389.D  
Acq On : 10 Apr 2015 7:48  
Operator : TP/IZ  
Sample : G1782-22 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

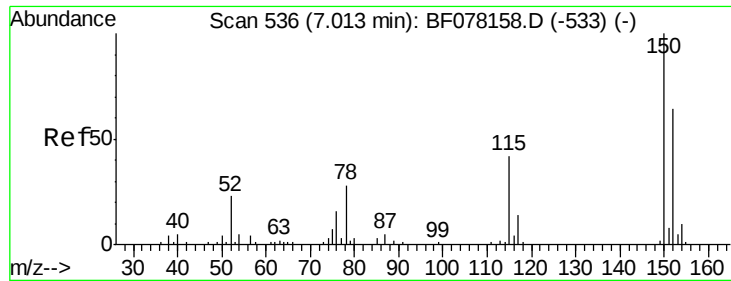
Instrument :  
BNA\_F  
ClientSampleId :  
FD03

Manual Integrations  
APPROVED

apatel  
4/10/2015 5:13:31 PM

Quant Time: Apr 10 07:28:54 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 10 01:53:29 2015  
Response via : Initial Calibration





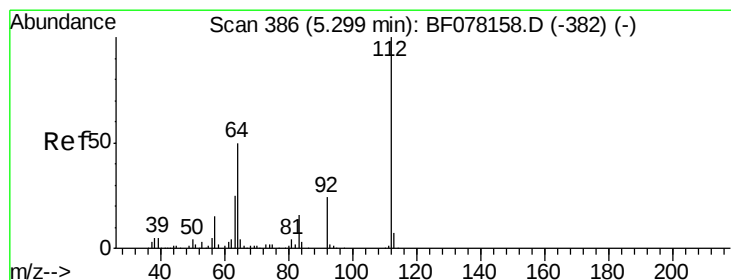
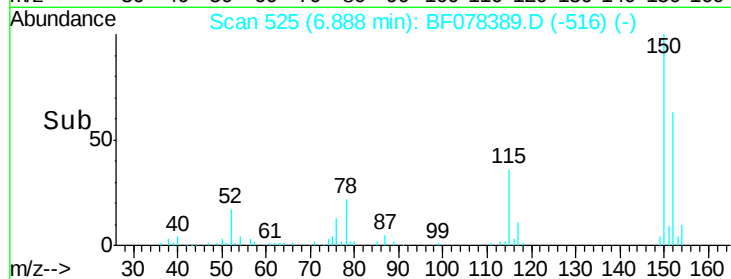
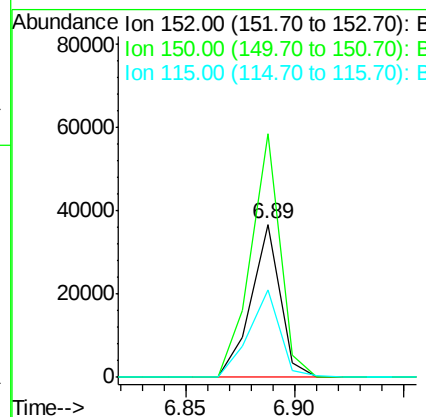
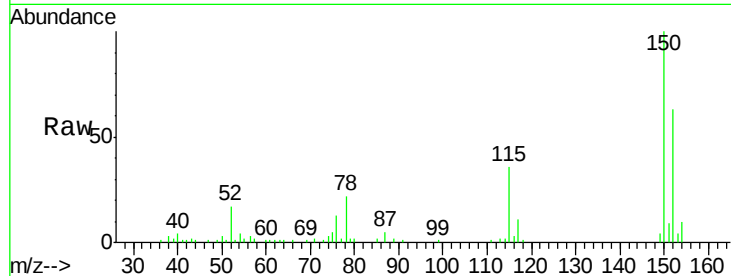
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.89 min Scan# 525  
 Delta R.T. 0.00 min  
 Lab File: BF078389.D  
 Acq: 10 Apr 2015 7:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.0 | 125.9 | 188.9 |
| 115     | 57.4  | 52.7  | 79.1  |

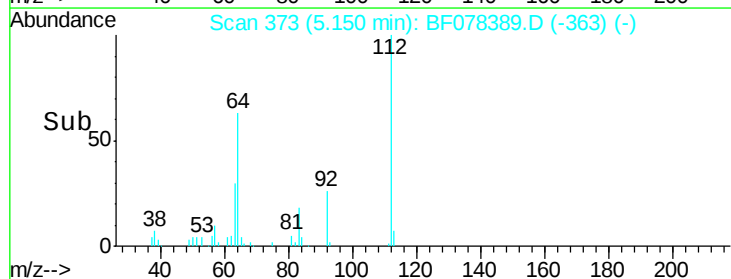
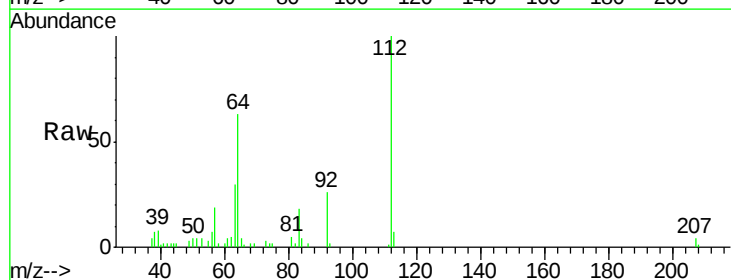
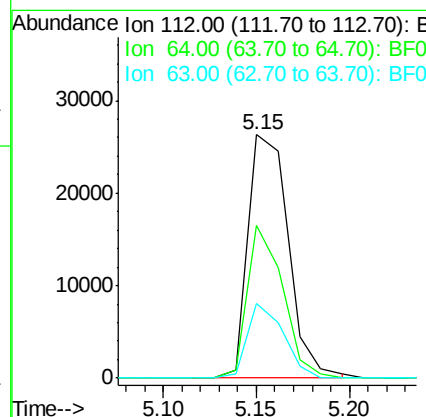
Manual Integrations  
 APPROVED

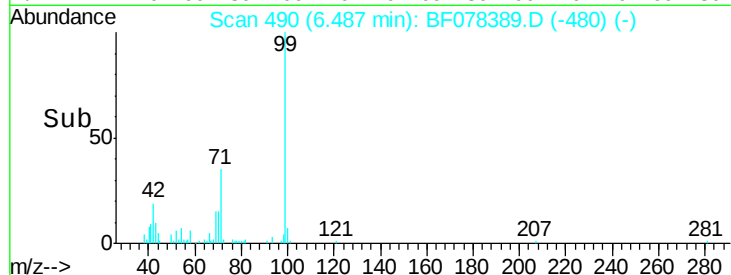
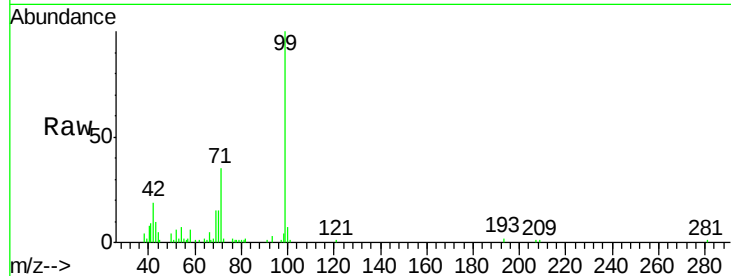
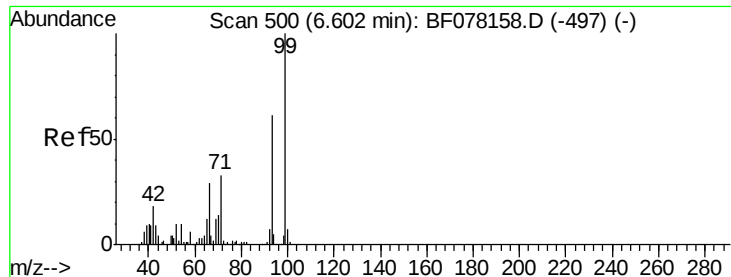
apatel  
 4/10/2015 5:13:31 PM



#5  
 2-Fluorophenol  
 Concen: 18.99 ng  
 RT: 5.15 min Scan# 373  
 Delta R.T. 0.01 min  
 Lab File: BF078389.D  
 Acq: 10 Apr 2015 7:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.7  | 39.9  | 59.9# |
| 63      | 30.5  | 20.2  | 30.4# |





#7

Phenol-d6

Concen: 19.58 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078389.D

Acq: 10 Apr 2015 7:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 51027 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 19.5  | 14.8  | 22.2  |
| 71        | 34.8  | 26.6  | 39.8  |

Instrument :

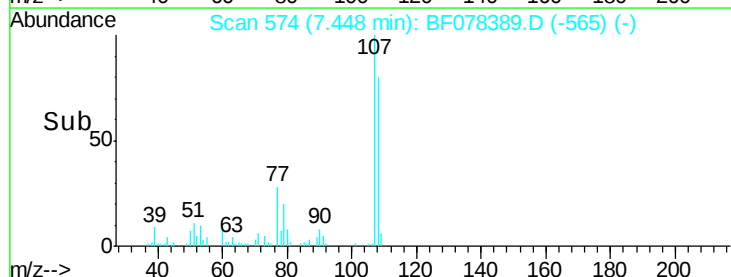
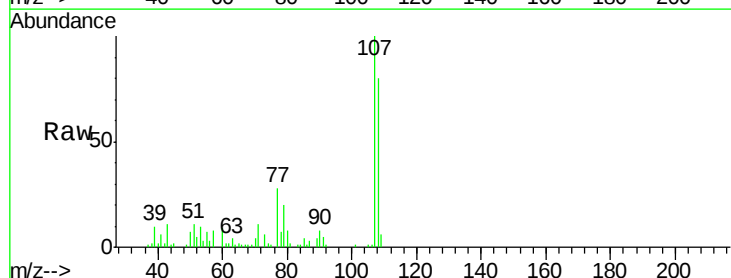
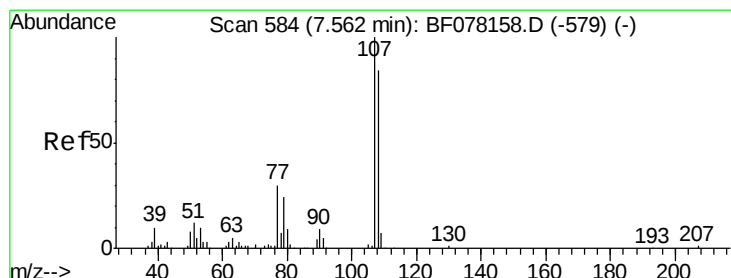
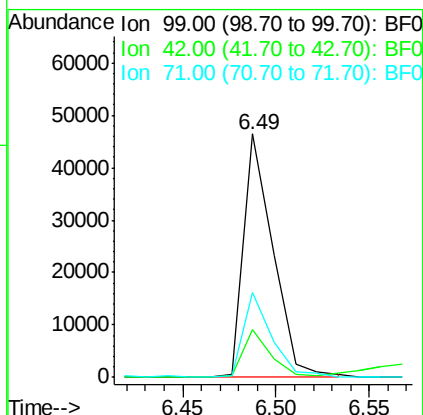
BNA\_F

ClientSampleId :

FD03

Manual Integrations  
APPROVED

apatel  
4/10/2015 5:13:31 PM



#20

3+4-Methylphenols

Concen: 17.96 ng

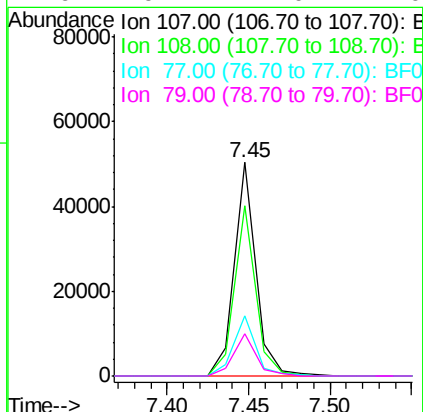
RT: 7.45 min Scan# 574

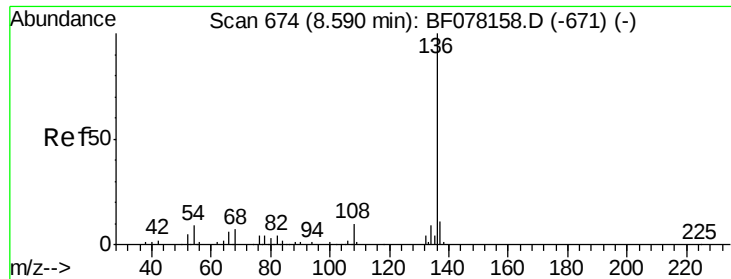
Delta R.T. 0.00 min

Lab File: BF078389.D

Acq: 10 Apr 2015 7:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 45733 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 80.0  | 64.4  | 104.4 |
| 77        | 28.3  | 9.7   | 49.7  |
| 79        | 19.7  | 4.0   | 44.0  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF078389.D

Acq: 10 Apr 2015 7:48

Instrument :

BNA\_F

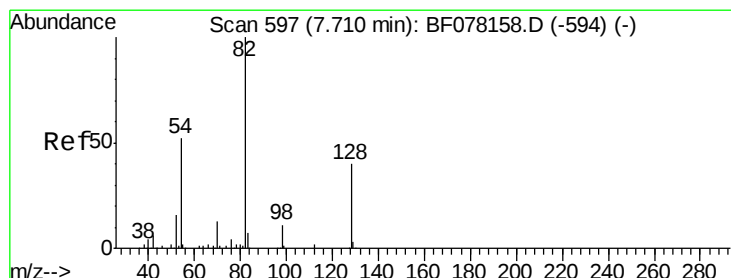
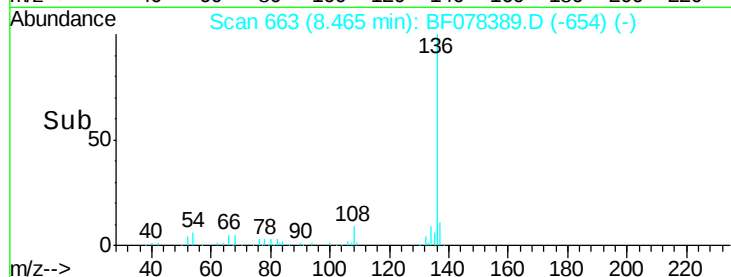
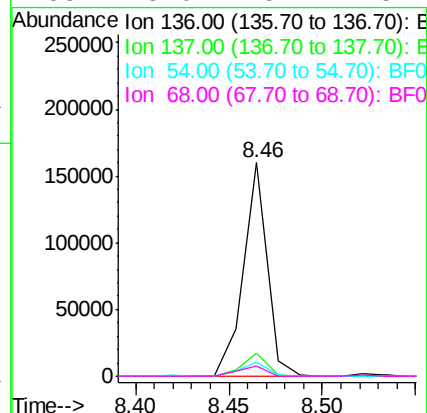
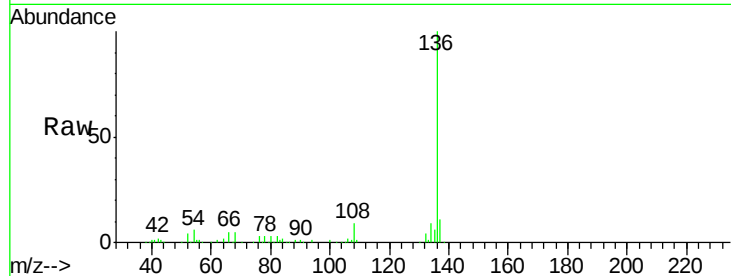
ClientSampled :

FD03

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 136     | 100  |       |      |       |       |
| 137     | 10.8 |       | 9.0  | 13.4  |       |
| 54      | 6.4  |       | 7.0  | 10.6  |       |
| 68      | 5.0  |       | 5.4  | 8.2   |       |

Manual Integrations  
APPROVED

apatel  
4/10/2015 5:13:31 PM



#23

Nitrobenzene-d5

Concen: 12.14 ng

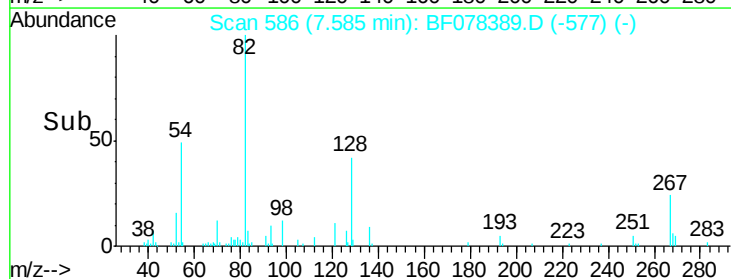
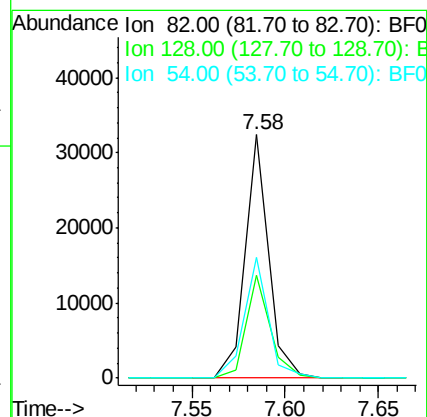
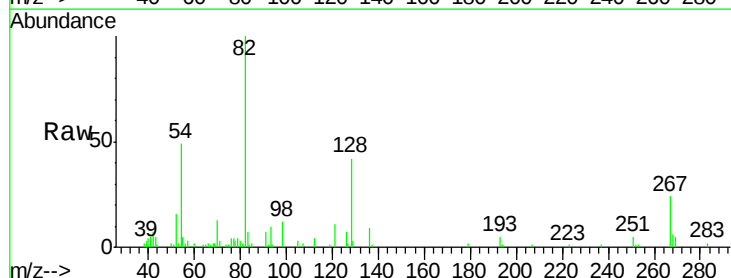
RT: 7.58 min Scan# 586

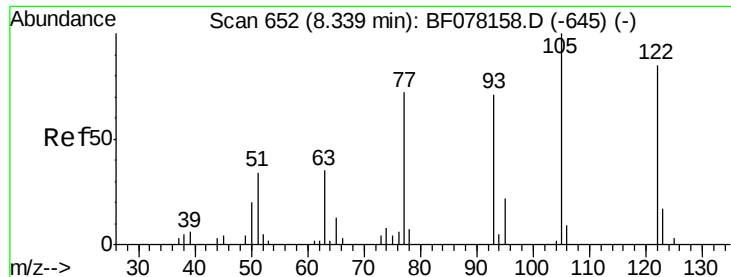
Delta R.T. 0.00 min

Lab File: BF078389.D

Acq: 10 Apr 2015 7:48

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 82      | 100  |       |      |       |       |
| 128     | 42.1 |       | 31.8 | 47.8  |       |
| 54      | 49.3 |       | 41.5 | 62.3  |       |





#32

Benzoic acid

Concen: 31.06 ng/mL

RT: 8.22 min Scan# 642

Delta R.T. 0.00 min

Lab File: BF078389.D

Acq: 10 Apr 2015 7:48

Instrument :

BNA\_F

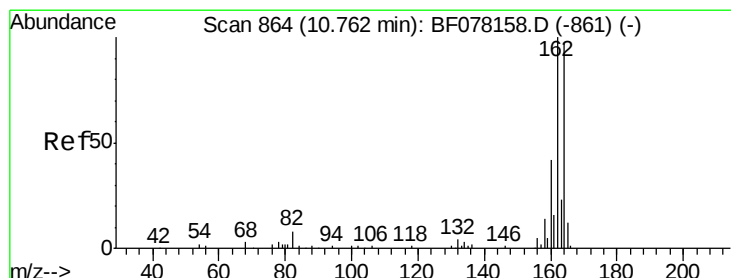
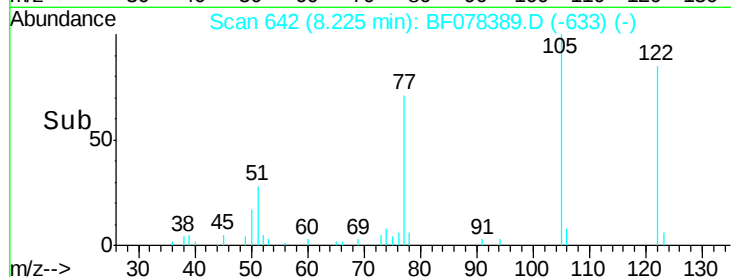
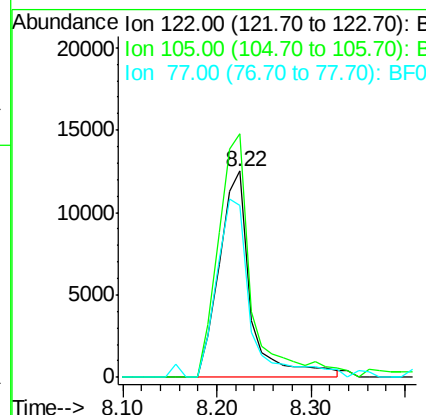
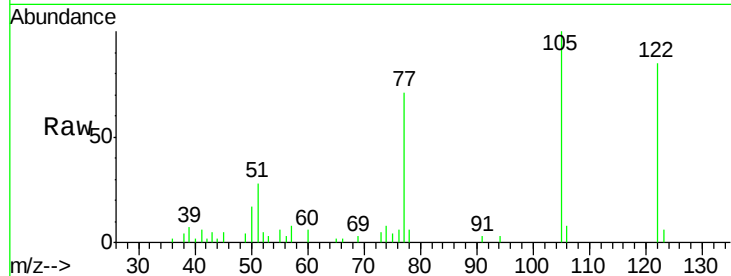
ClientSampleId :

FD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 122   | Resp: | 29411 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 118.2 | 96.1  | 136.1 |
| 77        | 83.5  | 64.1  | 104.1 |

Manual Integrations  
APPROVED

apatel  
4/10/2015 5:13:31 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

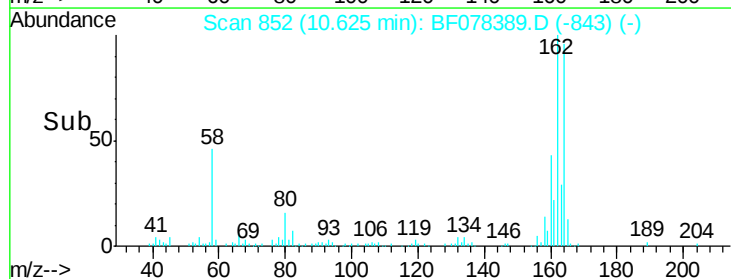
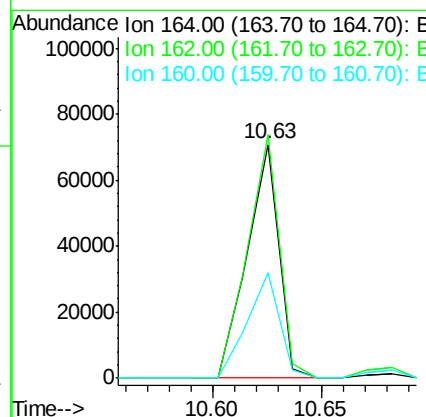
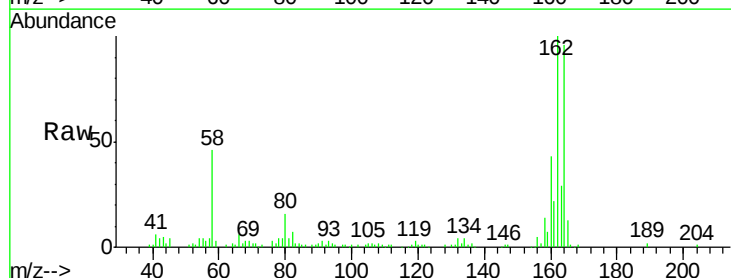
RT: 10.63 min Scan# 852

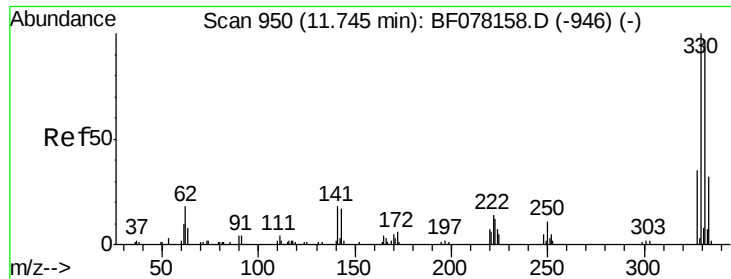
Delta R.T. 0.00 min

Lab File: BF078389.D

Acq: 10 Apr 2015 7:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 71480 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.1 | 82.2  | 123.2 |
| 160       | 44.9  | 34.7  | 52.1  |





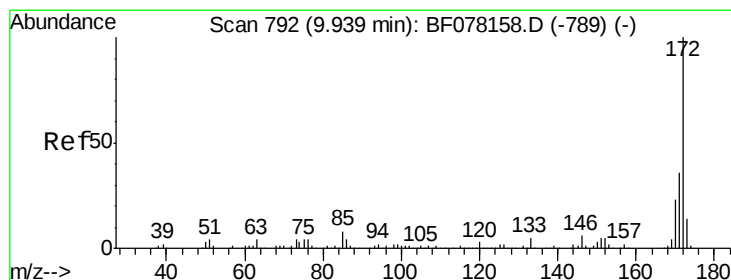
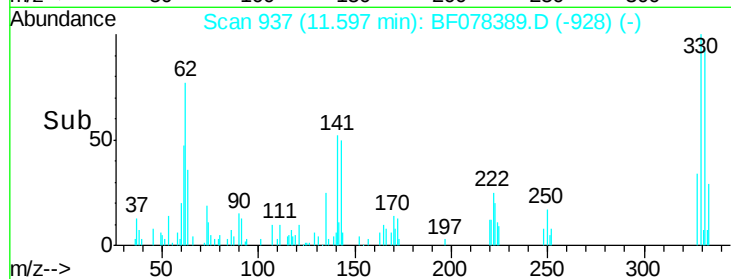
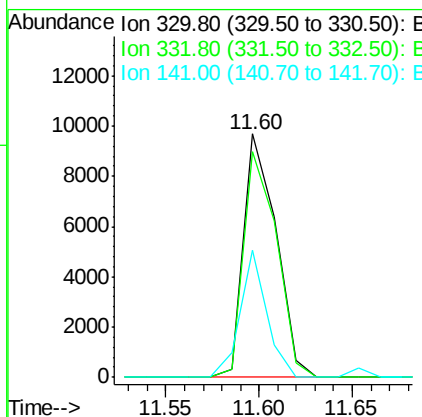
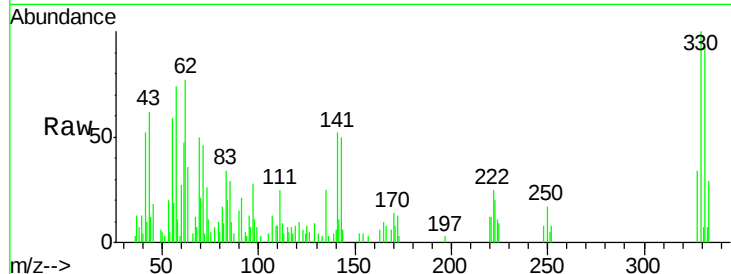
#41  
 2,4,6-Tribromophenol  
 Concen: 19.76 ng  
 RT: 11.60 min Scan# 937  
 Delta R.T. 0.00 min  
 Lab File: BF078389.D  
 Acq: 10 Apr 2015 7:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.4  | 78.6  | 117.8 |
| 141     | 43.0  | 31.2  | 46.8  |

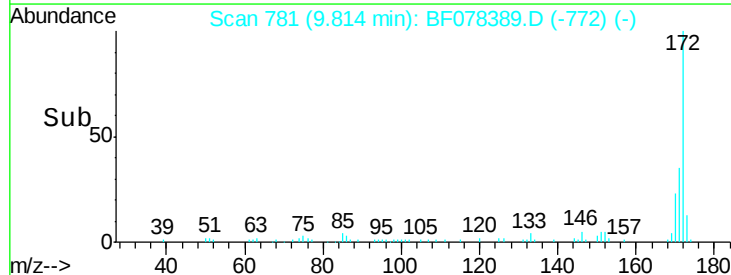
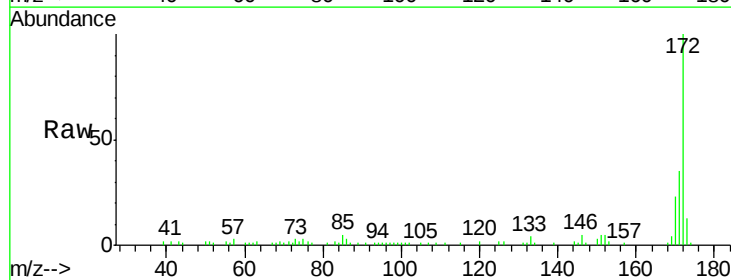
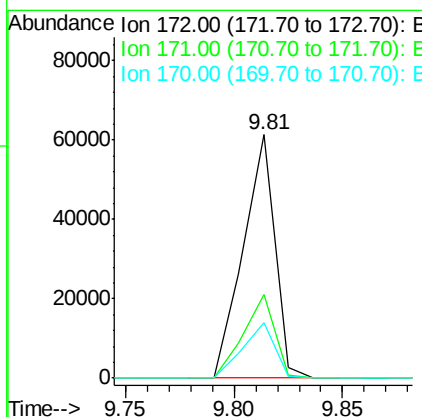
Manual Integrations  
 APPROVED

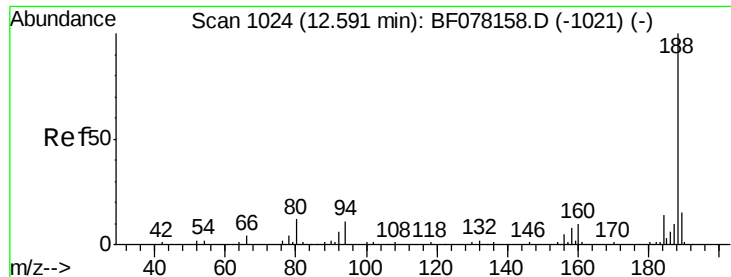
apatel  
 4/10/2015 5:13:31 PM



#44  
 2-Fluorobiphenyl  
 Concen: 12.40 ng  
 RT: 9.81 min Scan# 781  
 Delta R.T. 0.00 min  
 Lab File: BF078389.D  
 Acq: 10 Apr 2015 7:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.5  | 28.6  | 42.8  |
| 170     | 22.9  | 18.5  | 27.7  |





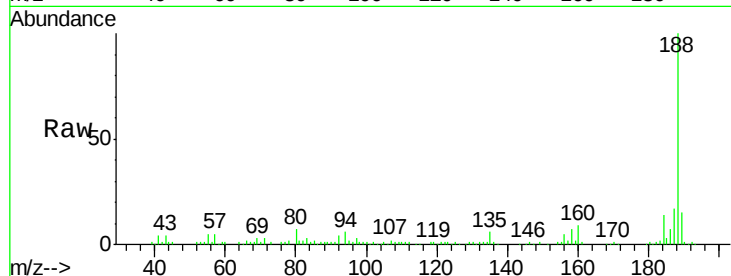
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.45 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: BF078389.D  
Acq: 10 Apr 2015 7:48

Instrument :  
BNA\_F  
ClientSampleID :  
FD03

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 6.3   | 9.0        | 13.4# |
| 80      | 6.8   | 9.5        | 14.3# |

Manual Integrations  
APPROVED

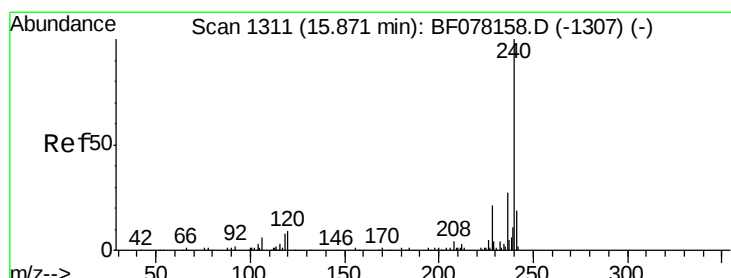
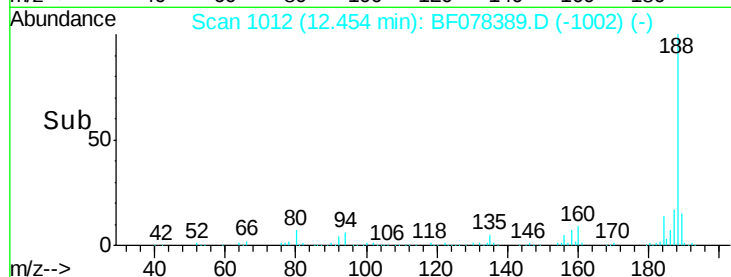
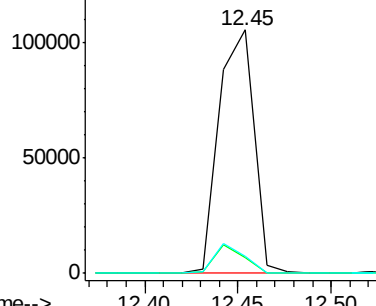
apatel  
4/10/2015 5:13:31 PM



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



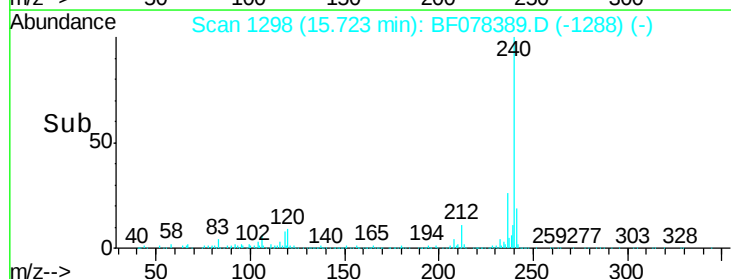
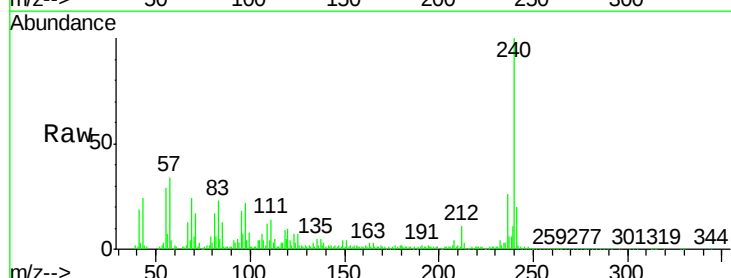
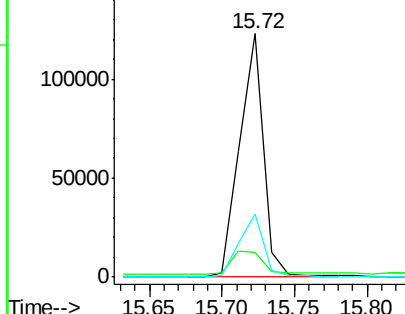
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.72 min Scan# 1298  
Delta R.T. 0.01 min  
Lab File: BF078389.D  
Acq: 10 Apr 2015 7:48

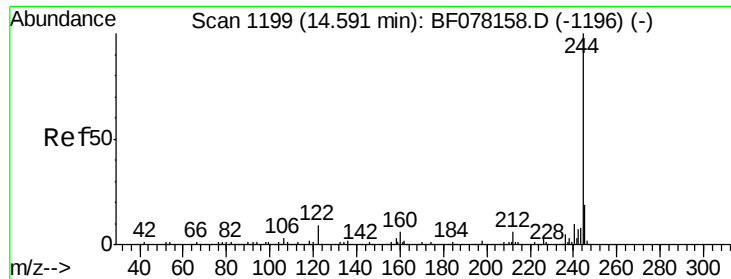
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 10.4  | 7.1        | 10.7  |
| 236     | 25.9  | 21.4       | 32.2  |

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





#78

Terphenyl-d14

Concen: 11.45 ng

RT: 14.44 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF078389.D

Acq: 10 Apr 2015 7:48

Instrument :

BNA\_F

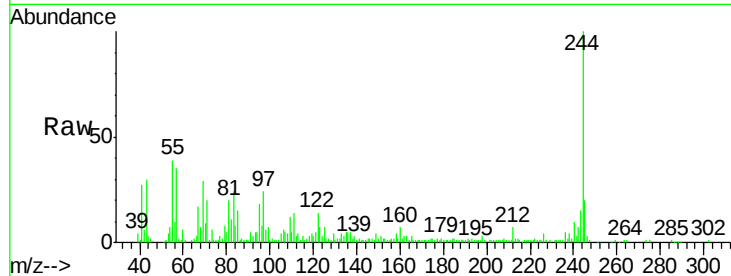
ClientSampled :

FD03

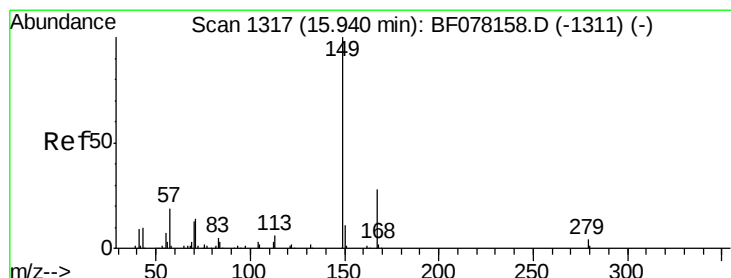
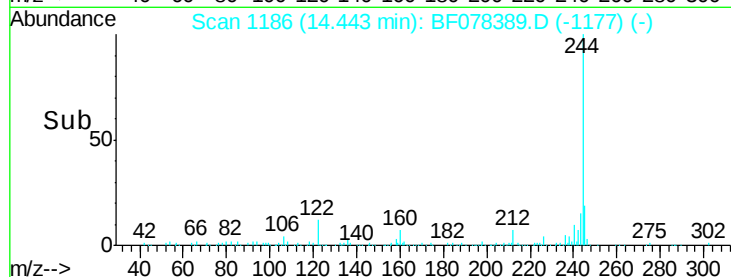
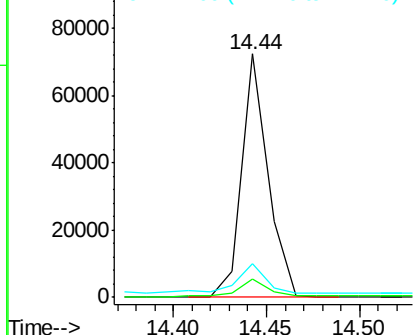
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 71018 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.3   | 5.0   | 7.4   |
| 122       | 13.9  | 7.1   | 10.7# |

Manual Integrations  
APPROVED

apatel  
4/10/2015 5:13:31 PM



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: 6.84 ng

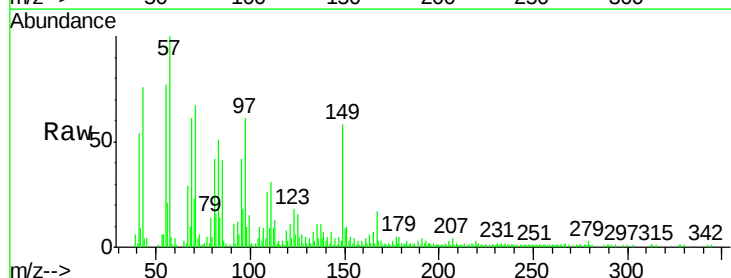
RT: 15.80 min Scan# 1305

Delta R.T. 0.01 min

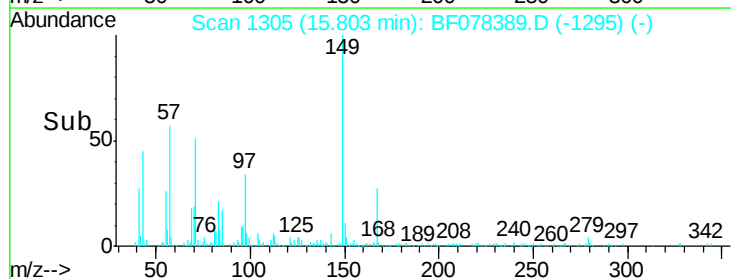
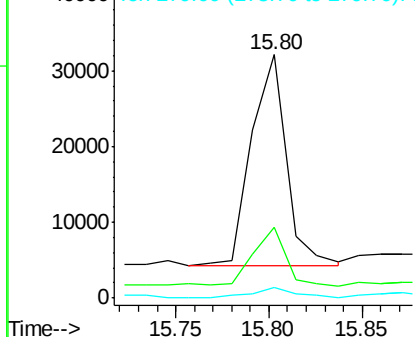
Lab File: BF078389.D

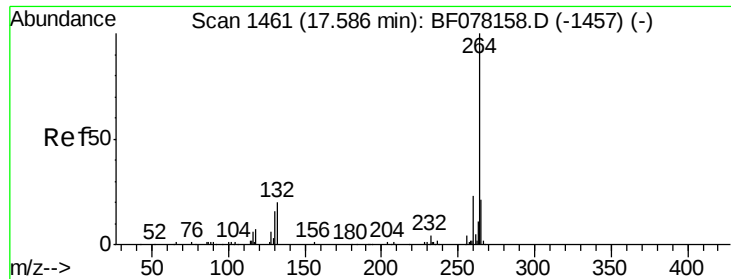
Acq: 10 Apr 2015 7:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 35955 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.9  | 22.2  | 33.2  |
| 279       | 4.5   | 3.2   | 4.8   |



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





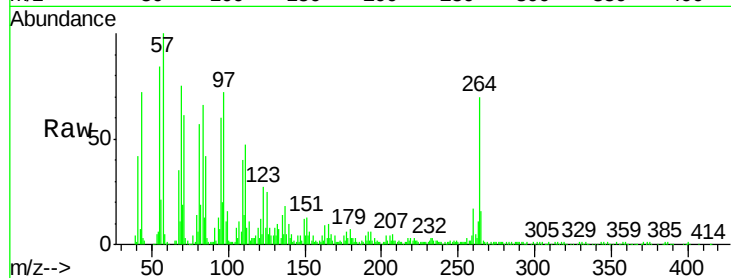
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.46 min Scan# 1450  
Delta R.T. 0.05 min  
Lab File: BF078389.D  
Acq: 10 Apr 2015 7:48

Instrument :  
BNA\_F  
ClientSampleId :  
FD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 18.6  | 27.8  |
| 265     | 22.5  | 17.0  | 25.6  |

Manual Integrations  
APPROVED

apatel  
4/10/2015 5:13:31 PM



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

