

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030717\  
 Data File : BF093427.D  
 Acq On : 7 Mar 2017 19:07  
 Operator : SJ/MA  
 Sample : I2124-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 030317-PRRT-E-U-M

Manual Integrations  
 APPROVED

mohammad  
 3/8/2017 1:46:02 PM

Quant Time: Mar 08 00:49:12 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 163505m  | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.05  | 136  | 635737   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.80  | 164  | 295261   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.28 | 188  | 562258   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.92 | 240  | 478065   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.34 | 264  | 351619   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 413343   | 42.07  | ng    | 0.01     |
| 7) Phenol-d6                | 6.41  | 99   | 326027   | 26.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 1105102  | 96.45  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 219335   | 114.02 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1651069  | 104.01 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.87 | 244  | 1399727  | 76.12  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.44  | 94   | 54872m   | 3.61   | ng    | Qvalue   |
| 49) Dimethylphthalate       | 9.52  | 163  | 195365   | 9.98   | ng    | # 99     |

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

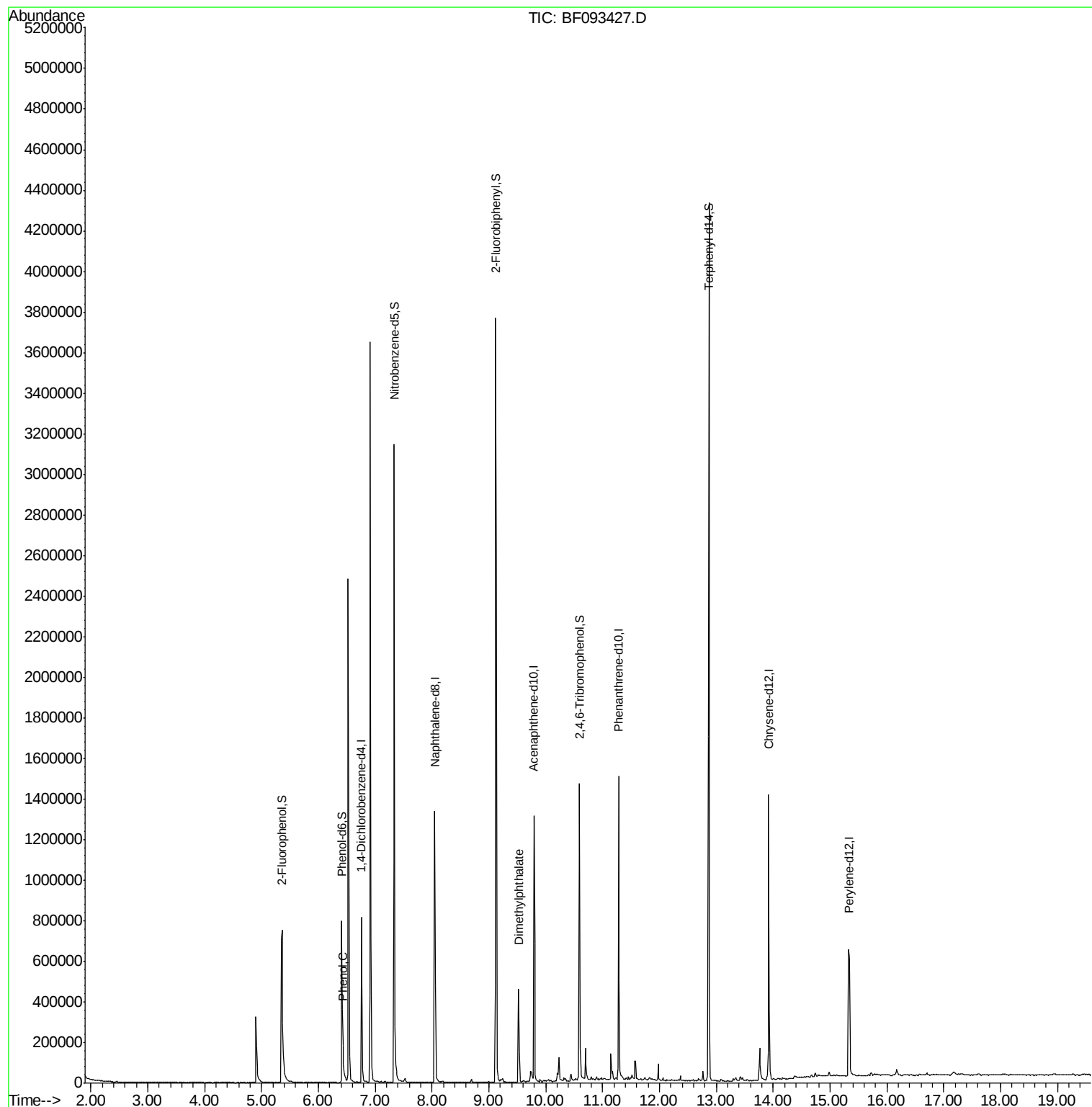
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030717\  
Data File : BF093427.D  
Acq On : 7 Mar 2017 19:07  
Operator : SJ/MA  
Sample : I2124-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

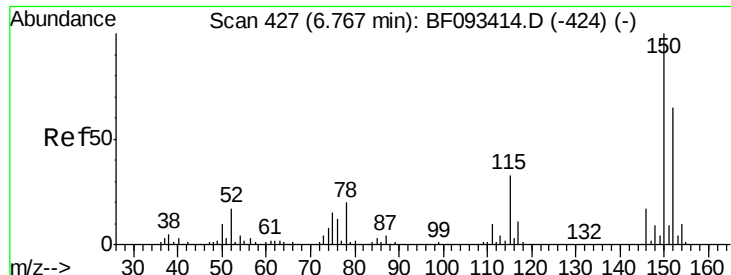
Instrument :  
BNA\_F  
ClientSampleId :  
030317-PRRT-E-U-M

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Quant Time: Mar 08 00:49:12 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
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#1

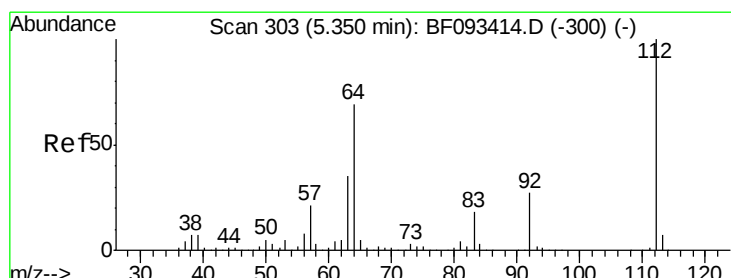
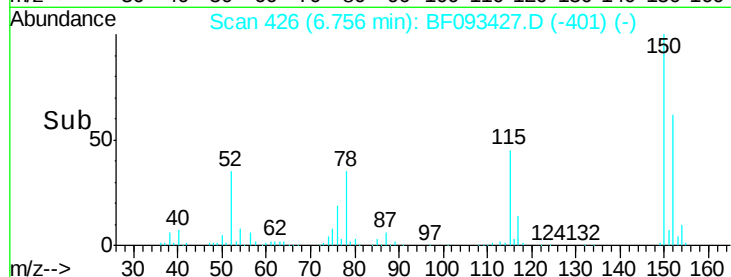
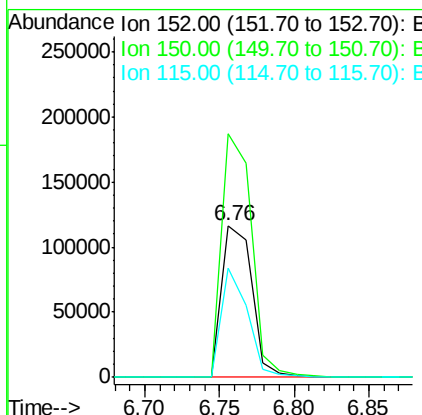
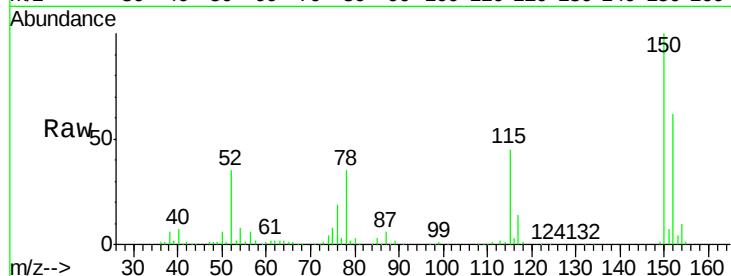
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng/ml  
RT: 6.76 min Scan# 426  
Delta R.T. -0.01 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
030317-PRRT-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.1 | 124.9 | 187.3 |
| 115     | 71.9  | 46.0  | 69.0  |

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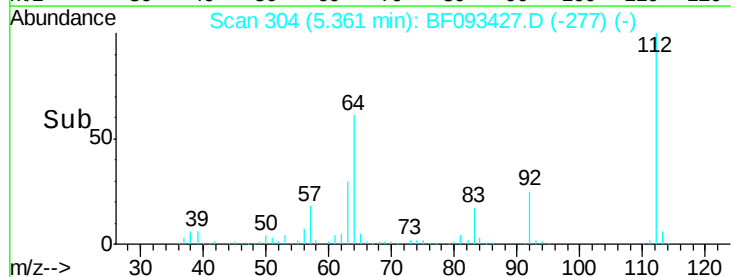
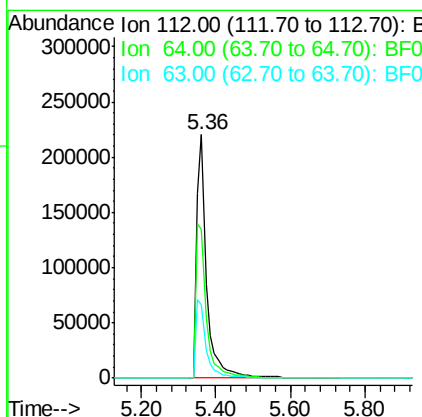
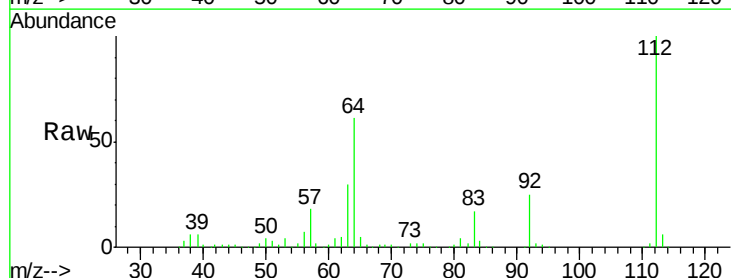
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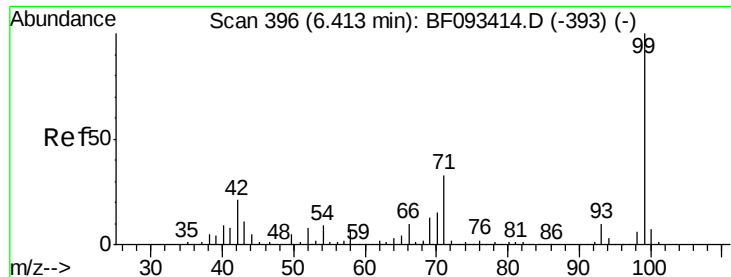


#5

2-Fluorophenol  
Concen: 42.07 ng  
RT: 5.36 min Scan# 304  
Delta R.T. 0.01 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 46.1  | 69.1  |
| 63      | 30.2  | 23.8  | 35.6  |





#7

Phenol-d6

Concen: 26.32 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093427.D

Acq: 7 Mar 2017 19:07

Instrument :

BNA\_F

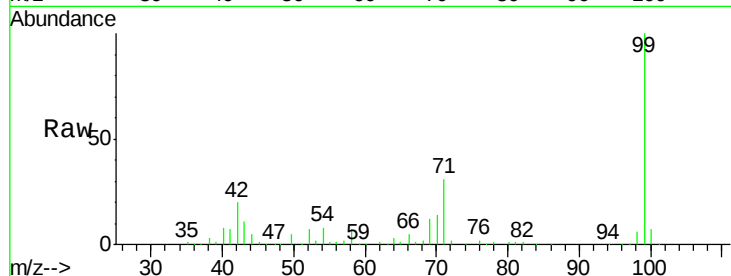
ClientSampleId :

030317-PRRT-E-U-M

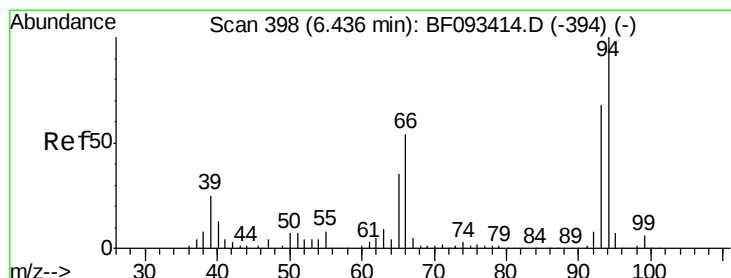
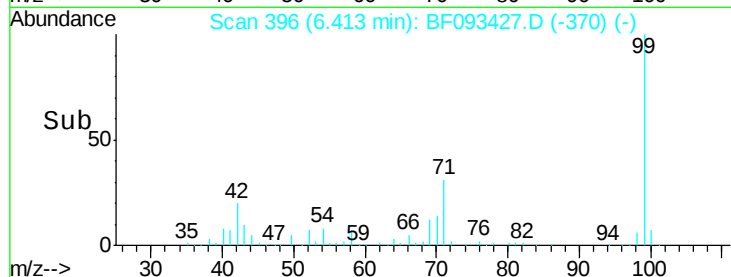
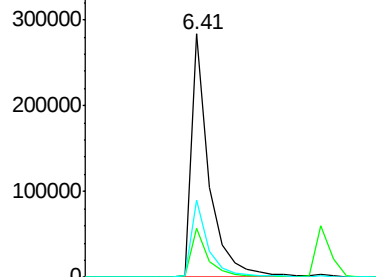
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 326027 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.1  | 15.6  | 23.4   |
| 71        | 31.5  | 27.5  | 41.3   |

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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



#10

Phenol

Concen: 3.61 ng m

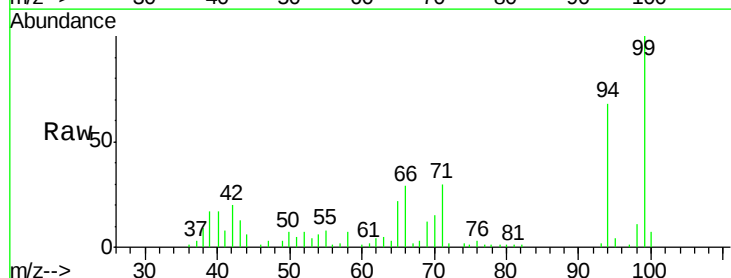
RT: 6.44 min Scan# 398

Delta R.T. -0.00 min

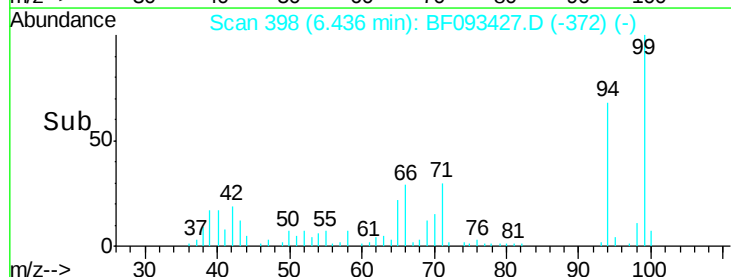
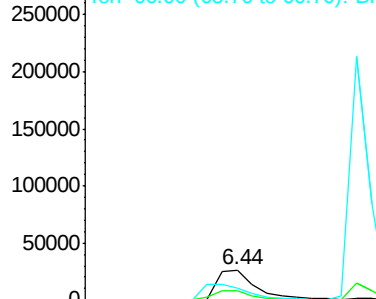
Lab File: BF093427.D

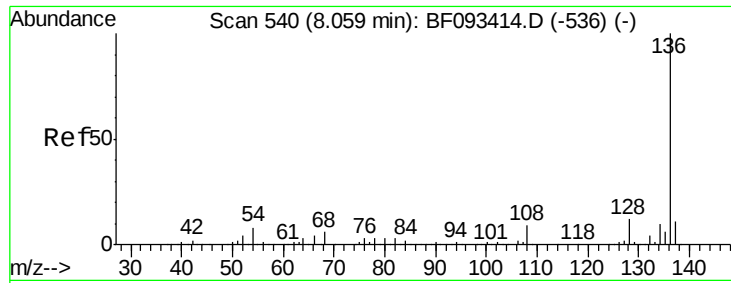
Acq: 7 Mar 2017 19:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 54872 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 31.6  | 21.4  | 61.4  |
| 66        | 41.9  | 44.0  | 84.0# |



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0





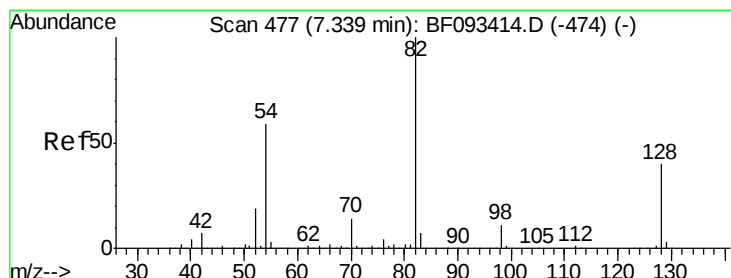
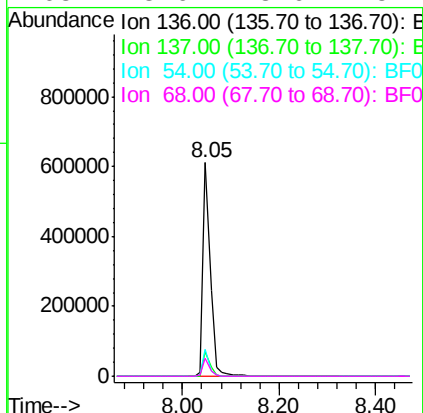
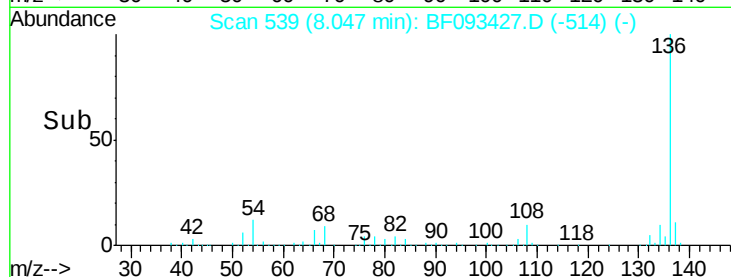
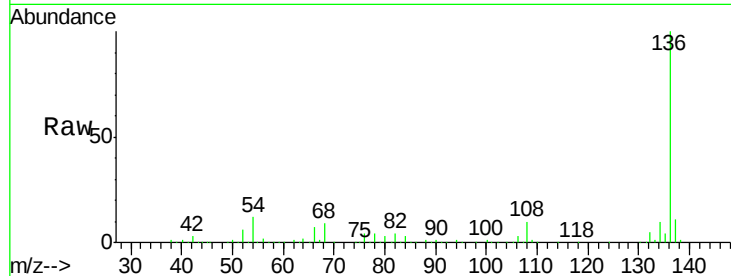
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.05 min Scan# 539  
Delta R.T. -0.01 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
030317-PRRT-E-U-M

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 635737 |       |       |
| 137     | 11.1  |        | 8.4   | 12.6  |
| 54      | 12.3  |        | 4.5   | 6.7#  |
| 68      | 8.6   |        | 3.6   | 5.4#  |

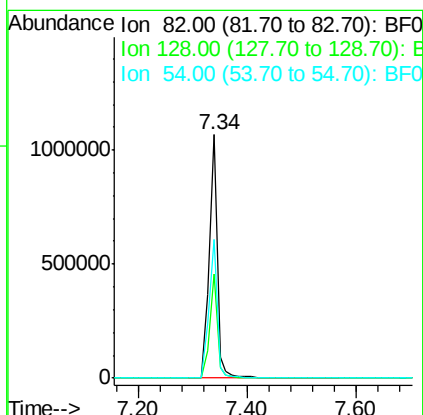
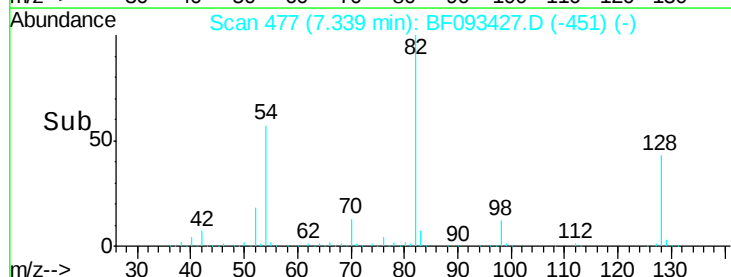
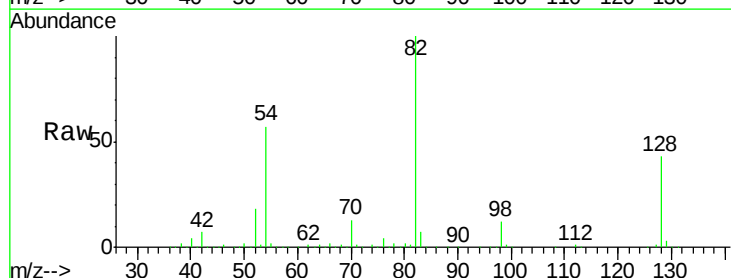
Manual Integrations  
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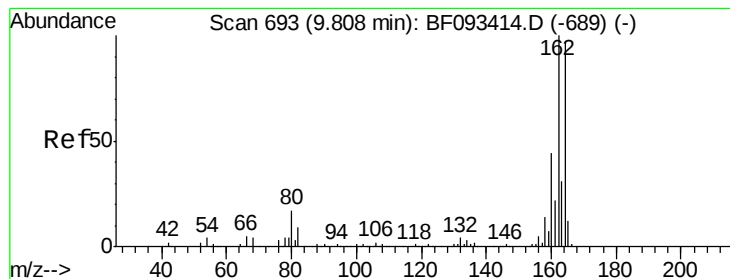
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#23  
Nitrobenzene-d5  
Concen: 96.45 ng  
RT: 7.34 min Scan# 477  
Delta R.T. -0.00 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 82      | 100   | 1105102 |       |       |
| 128     | 42.6  |         | 34.6  | 52.0  |
| 54      | 56.8  |         | 39.5  | 59.3  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF093427.D

Acq: 7 Mar 2017 19:07

Instrument :

BNA\_F

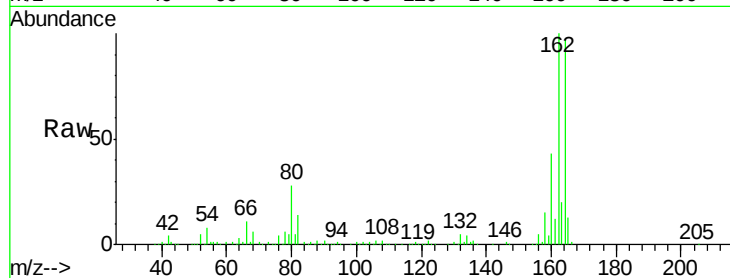
ClientSampleId :

030317-PRRT-E-U-M

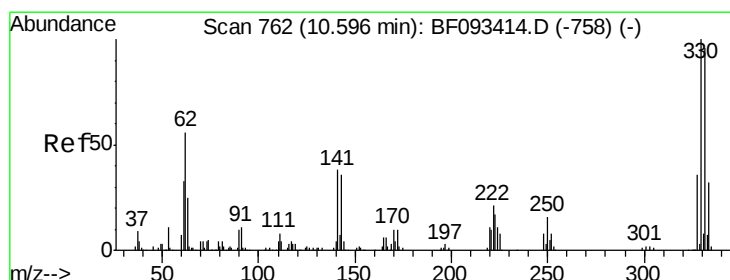
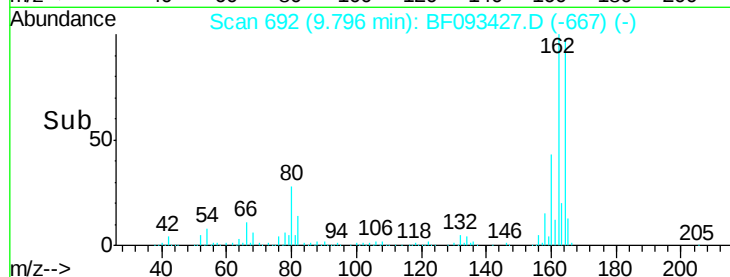
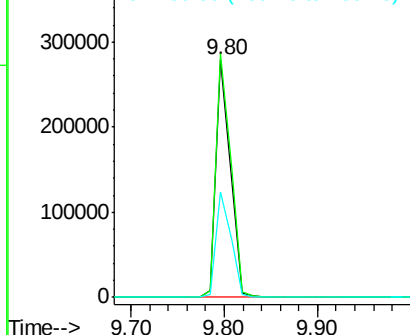
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 295261 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.6 | 80.2  | 120.2  |
| 160       | 44.2  | 36.9  | 55.3   |

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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: 114.02 ng

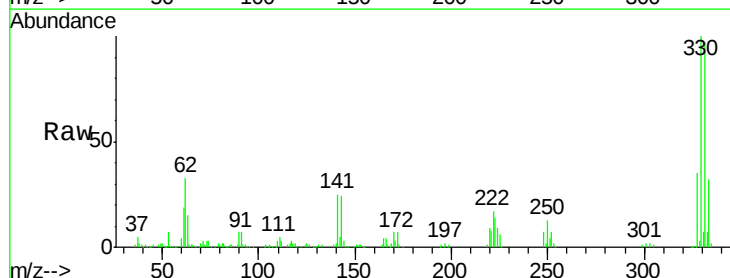
RT: 10.60 min Scan# 762

Delta R.T. -0.00 min

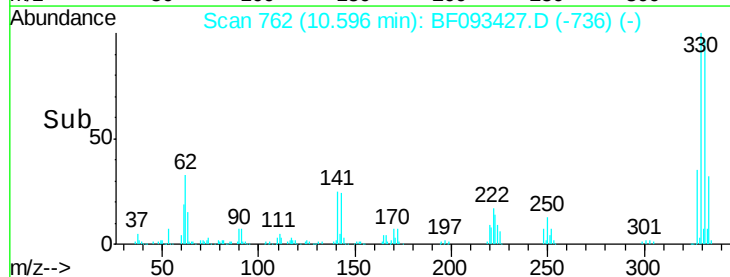
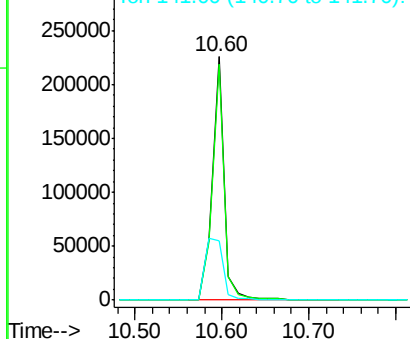
Lab File: BF093427.D

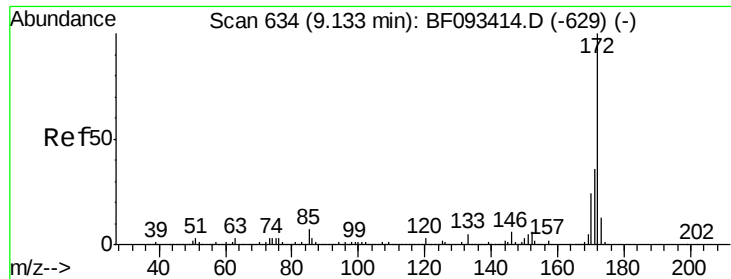
Acq: 7 Mar 2017 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 219335 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.3  | 77.4  | 116.2  |
| 141       | 39.2  | 34.1  | 51.1   |



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





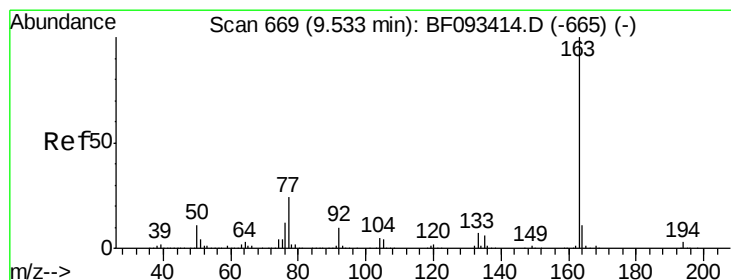
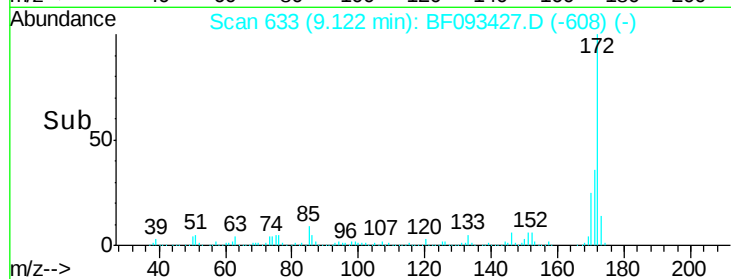
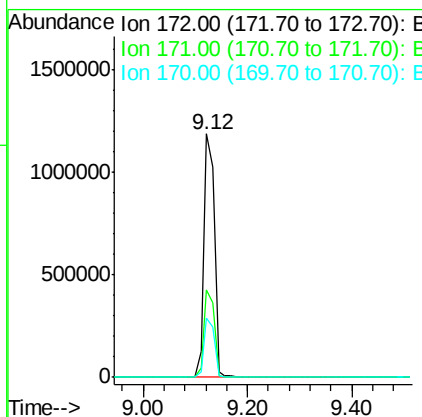
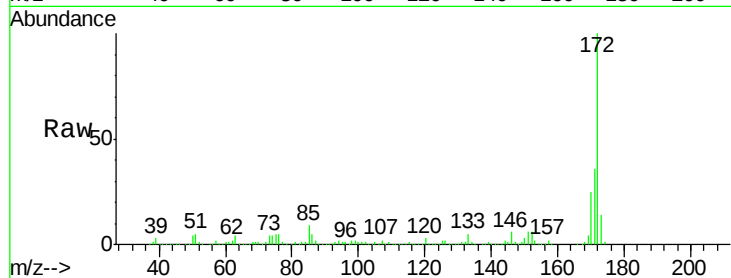
#44  
2-Fluorobiphenyl  
Concen: 104.01 ng  
RT: 9.12 min Scan# 633  
Delta R.T. -0.01 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
030317-PRRT-E-U-M

Tot Ion:172 Resp: 1651069  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.4 44.0  
170 24.5 20.2 30.4

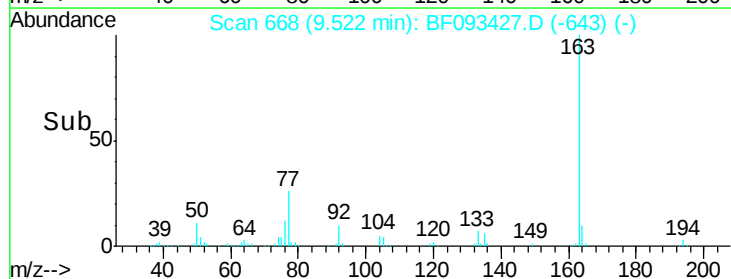
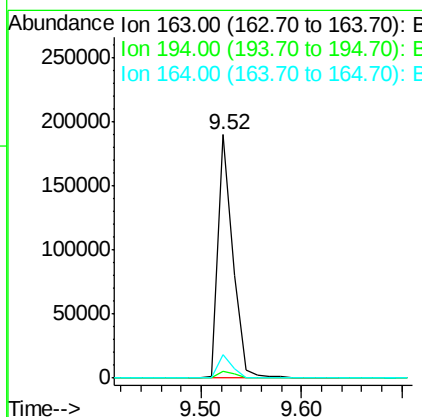
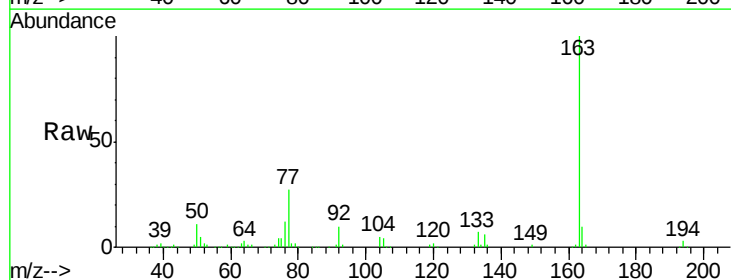
Manual Integrations  
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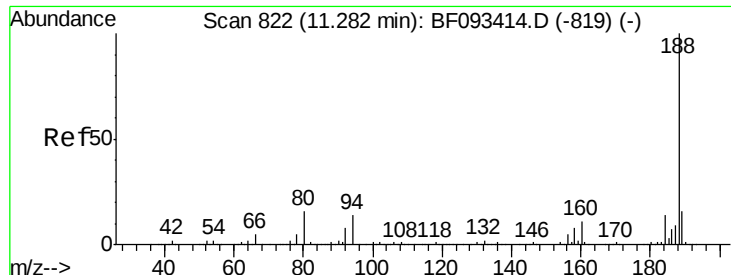
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#49  
Dimethylphthalate  
Concen: 9.98 ng  
RT: 9.52 min Scan# 668  
Delta R.T. -0.01 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

Tgt Ion:163 Resp: 195365  
Ion Ratio Lower Upper  
163 100  
194 2.9 3.0 4.4#  
164 9.7 8.0 12.0





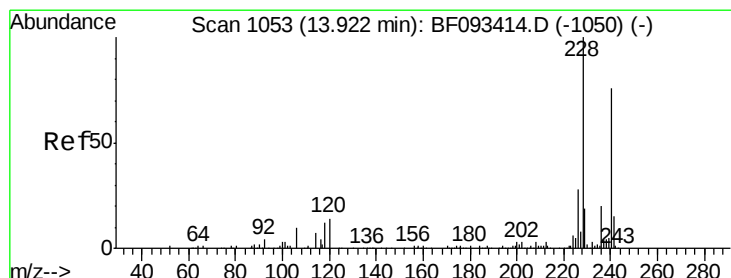
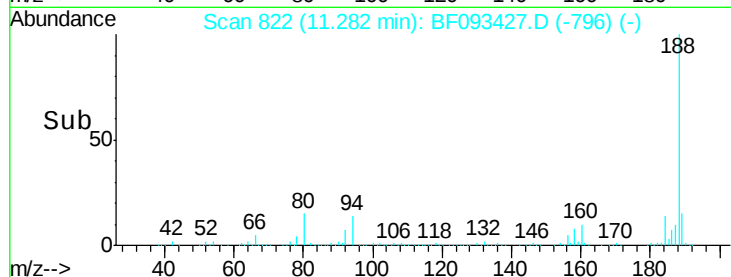
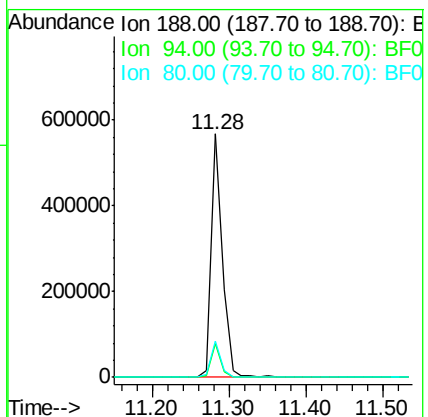
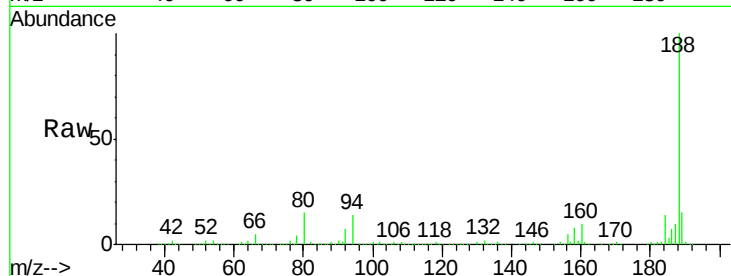
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.28 min Scan# 822  
Delta R.T. -0.00 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
030317-PRRT-E-U-M

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 562258 |       |       |
| 94      | 13.9  |        | 10.0  | 15.0  |
| 80      | 14.7  |        | 11.2  | 16.8  |

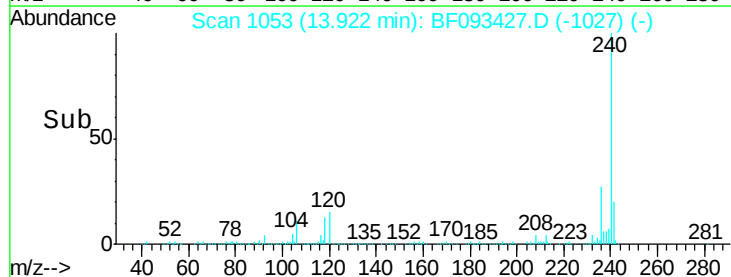
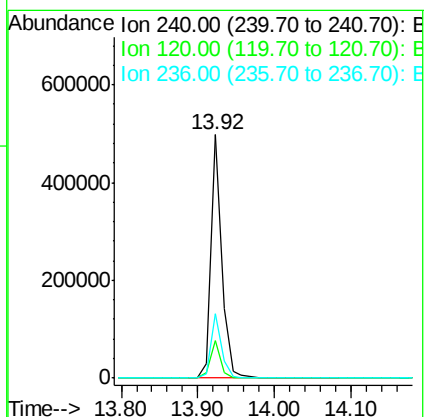
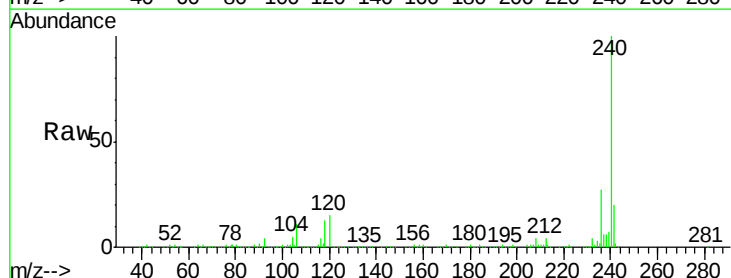
Manual Integrations  
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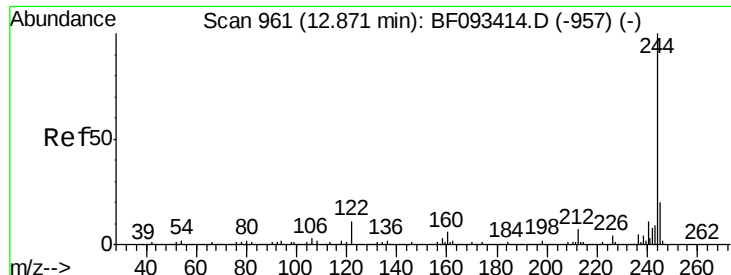
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#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.92 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: BF093427.D  
Acq: 7 Mar 2017 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 478065 |       |       |
| 120     | 15.3  |        | 12.9  | 19.3  |
| 236     | 26.6  |        | 20.9  | 31.3  |





#78  
 Terphenyl-d14  
 Concen: 76.12 ng  
 RT: 12.87 min Scan# 961  
 Delta R.T. -0.00 min  
 Lab File: BF093427.D  
 Acq: 7 Mar 2017 19:07

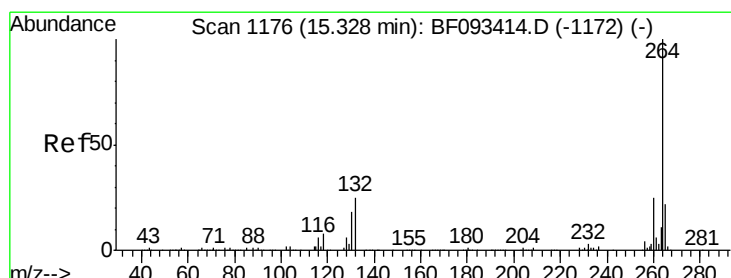
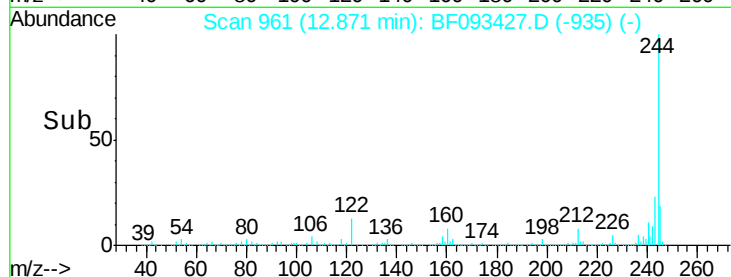
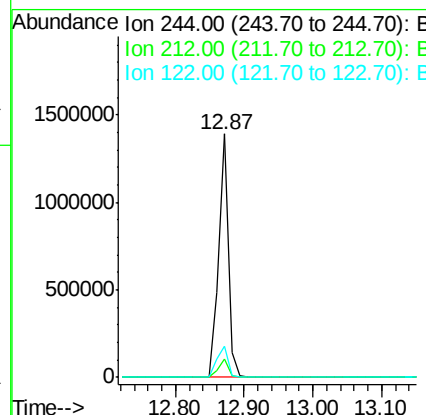
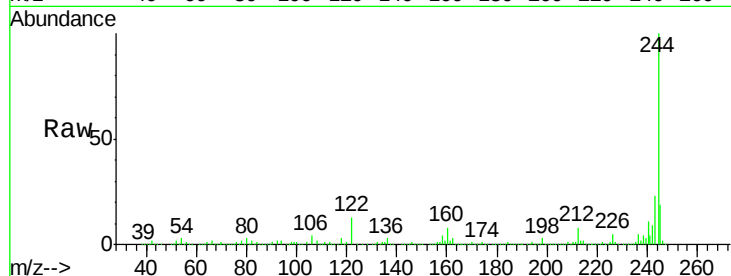
Instrument :  
 BNA\_F  
 ClientSampleId :  
 030317-PRRT-E-U-M

Tot Ion:244 Resp: 1399727  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.7   | 6.2   | 9.2   |
| 122 | 13.0  | 11.4  | 17.2  |

Manual Integrations  
 APPROVED

mohammad  
 3/8/2017 1:46:02 PM



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.34 min Scan# 1177  
 Delta R.T. 0.01 min  
 Lab File: BF093427.D  
 Acq: 7 Mar 2017 19:07

Tgt Ion:264 Resp: 351619  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.5  | 19.2  | 28.8  |
| 265 | 21.1  | 17.4  | 26.0  |

