

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\  
 Data File : BF094685.D  
 Acq On : 28 Apr 2017 16:00  
 Operator : SJ/MA  
 Sample : I2828-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-COMPOST-02

Manual Integrations  
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mohammad  
 5/1/2017 6:35:27 PM

Quant Time: Apr 28 16:23:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.77  | 152  | 94142    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.26  | 136  | 360681   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.40  | 164  | 146684   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 230563   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.47 | 240  | 192818   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 16.10 | 264  | 136415   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.32  | 112  | 701428   | 123.61 | ng    | 0.01     |
| 7) Phenol-d6                | 5.40  | 99   | 840177   | 125.59 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.42  | 82   | 502491   | 86.03  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.37 | 330  | 135222   | 117.86 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.58  | 172  | 829019   | 83.16  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.19 | 244  | 509915   | 70.69  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 5.41  | 94   | 53014    | 6.45   | ng    | 87       |
| 49) Dimethylphthalate       | 9.08  | 163  | 95843    | 8.77   | ng    | 99       |
| 74) Fluoranthene            | 12.71 | 202  | 37209    | 2.77   | ng    | 99       |
| 77) Pyrene                  | 12.98 | 202  | 27940    | 2.07   | ng    | 97       |
| 82) Chrysene                | 14.50 | 228  | 27422    | 2.68   | ng    | # 93     |
| 87) Benzo(b)fluoranthene    | 15.70 | 252  | 36222m   | 4.34   | ng    |          |
| 89) Benzo(a)pyrene          | 16.04 | 252  | 19136    | 2.46   | ng    | # 65     |
| 91) Benzo(g,h,i)perylene    | 17.79 | 276  | 14906    | 2.27   | ng    | # 70     |

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

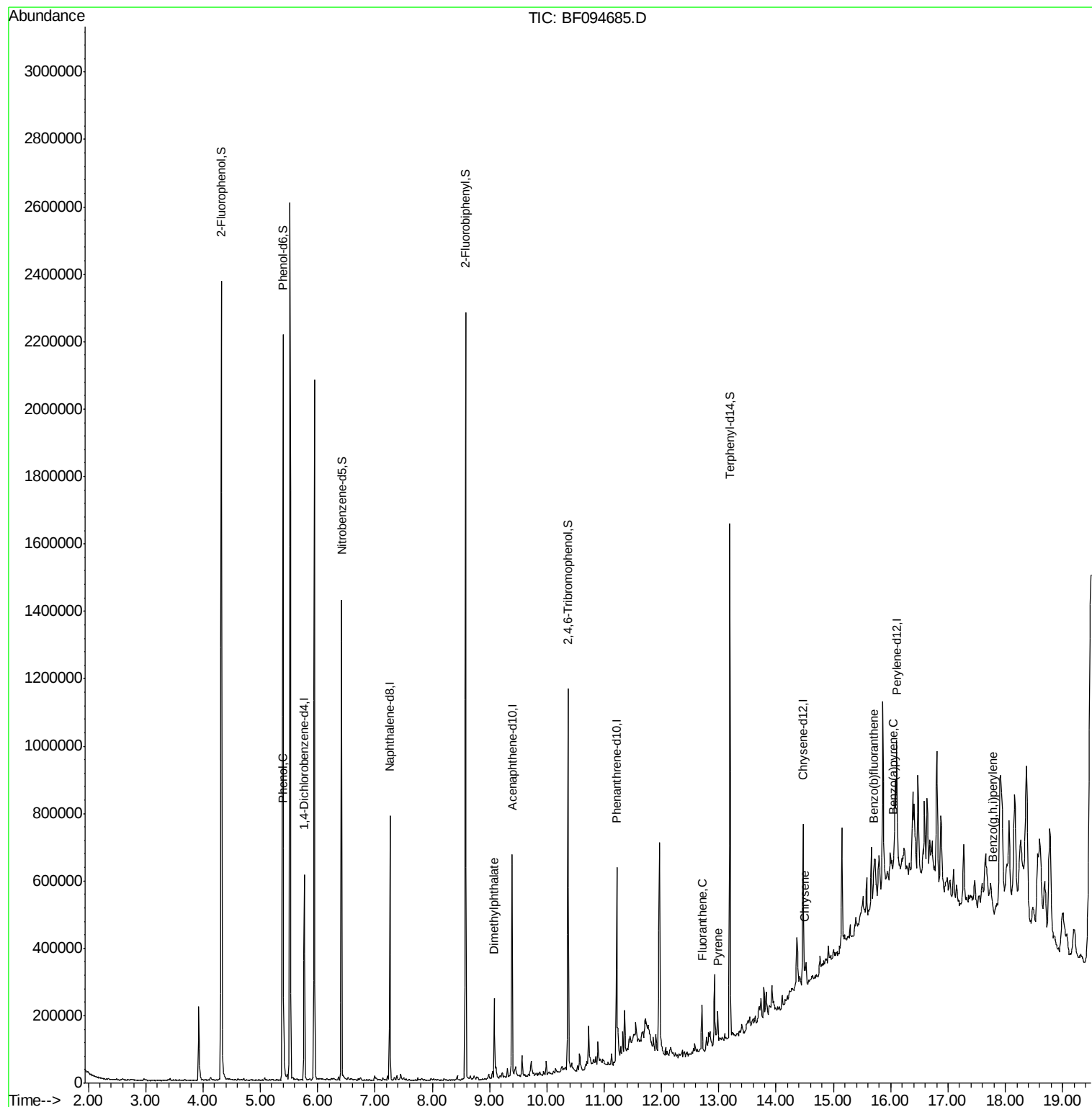
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\  
Data File : BF094685.D  
Acq On : 28 Apr 2017 16:00  
Operator : SJ/MA  
Sample : I2828-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

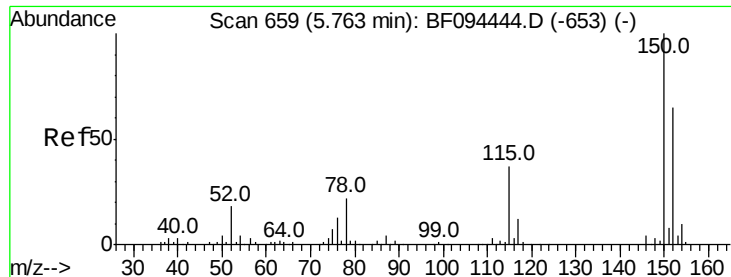
Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

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Quant Time: Apr 28 16:23:21 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 17 14:59:23 2017  
Response via : Initial Calibration





#1

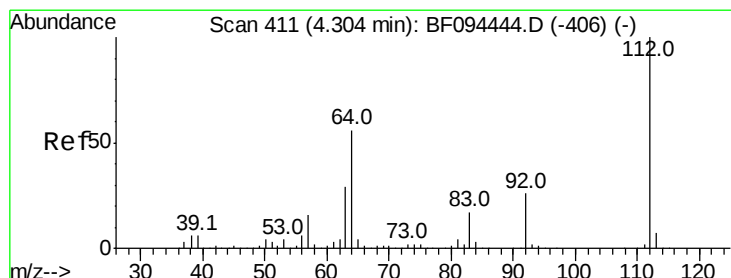
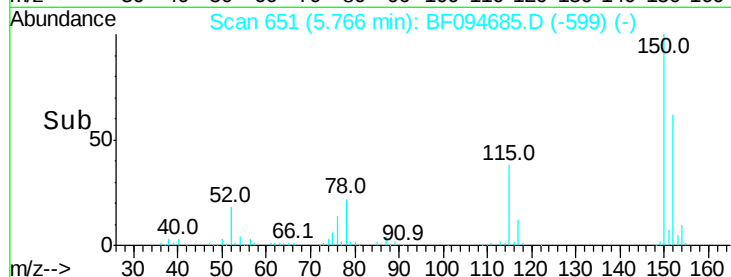
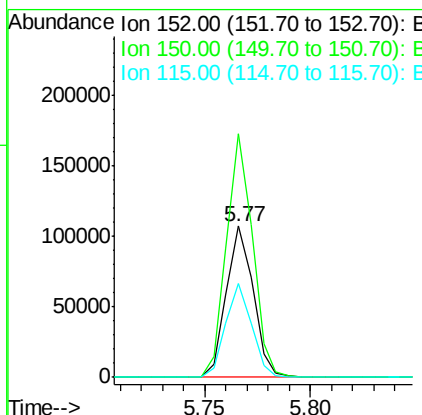
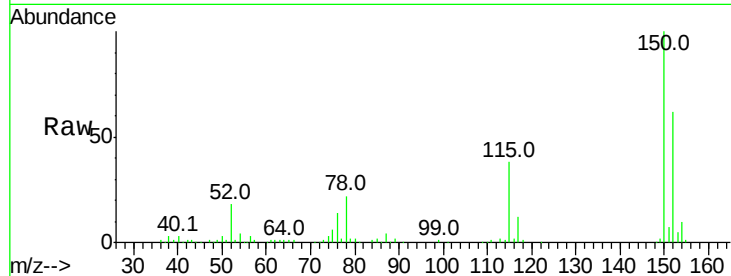
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.77 min Scan# 651  
Delta R.T. 0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.1 | 126.2 | 189.2 |
| 115     | 61.8  | 52.2  | 78.2  |

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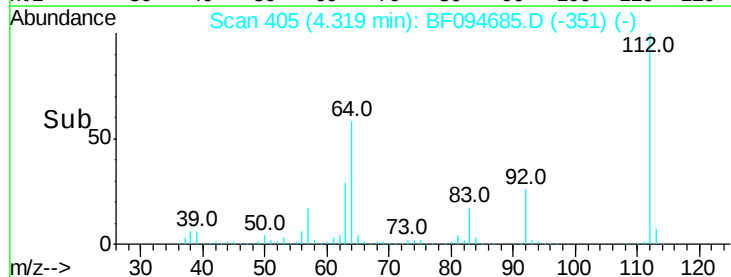
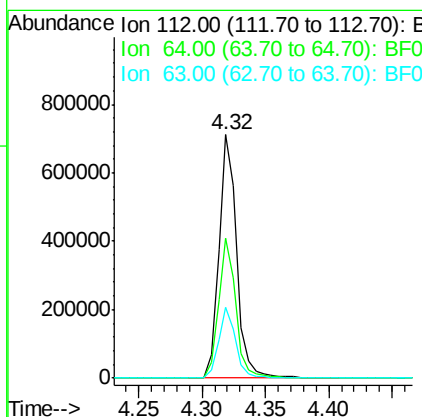
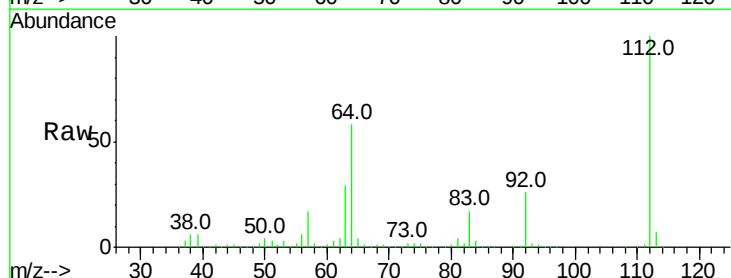
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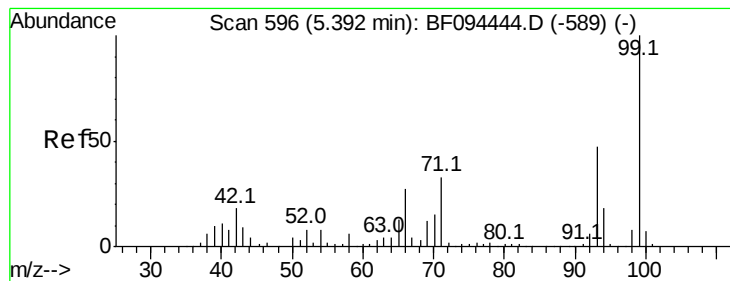


#5

2-Fluorophenol  
Concen: 123.61 ng  
RT: 4.32 min Scan# 405  
Delta R.T. 0.01 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.6  | 46.0  | 69.0  |
| 63      | 29.2  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 125.59 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA\_F

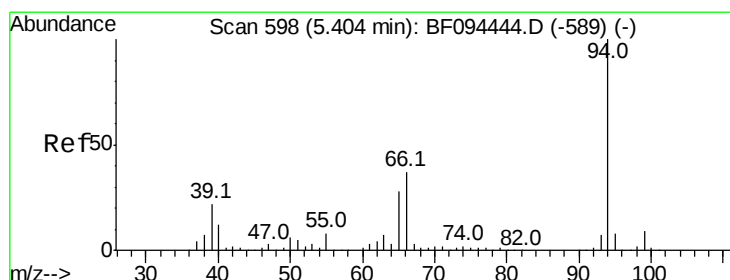
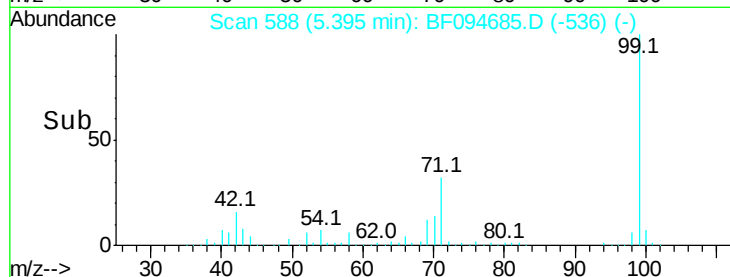
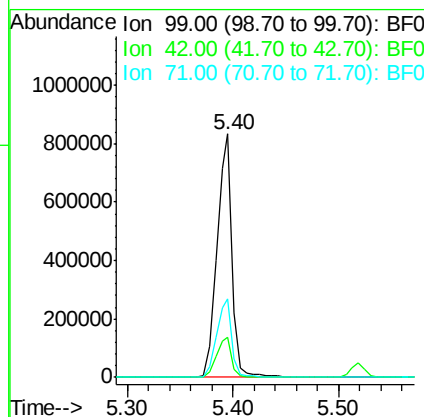
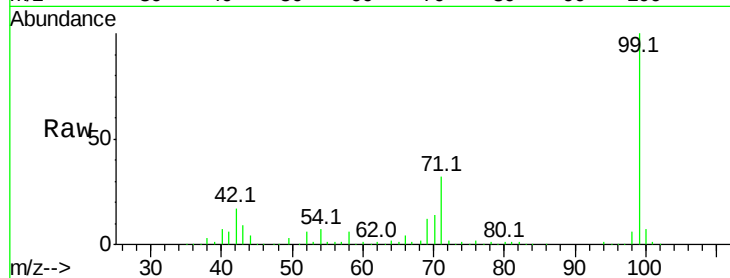
ClientSampleId :

EME-COMPOST-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 840177 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.5  | 13.5  | 20.3   |
| 71        | 32.4  | 24.5  | 36.7   |

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#10

Phenol

Concen: 6.45 ng

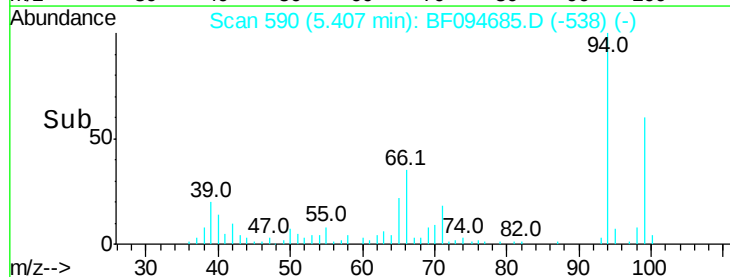
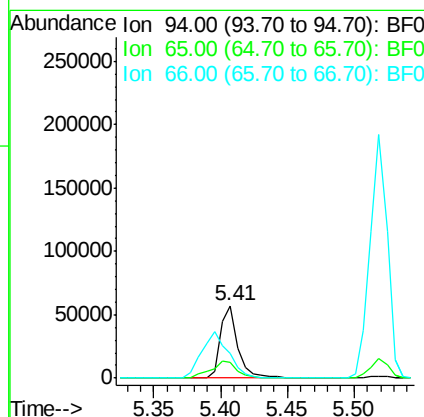
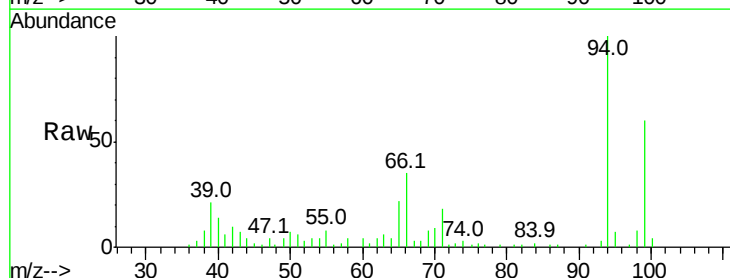
RT: 5.41 min Scan# 590

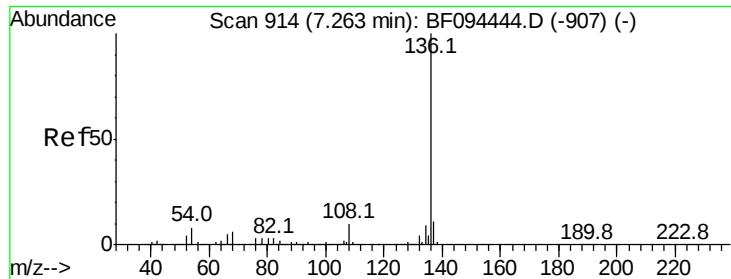
Delta R.T. 0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 53014 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 22.4  | 9.9   | 49.9  |
| 66        | 34.8  | 23.1  | 63.1  |





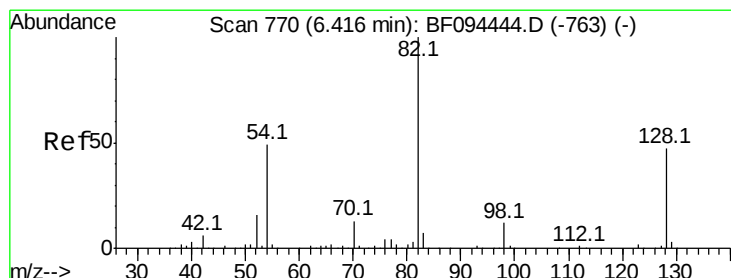
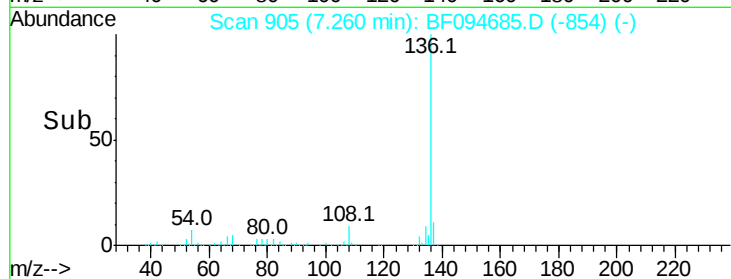
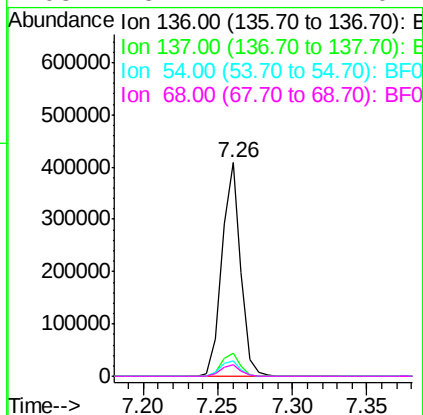
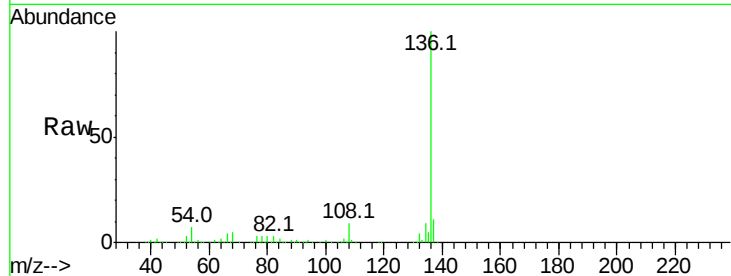
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.26 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 360681 |       |       |
| 137     | 10.6  |        | 8.5   | 12.7  |
| 54      | 7.0   |        | 4.9   | 7.3   |
| 68      | 5.4   |        | 4.1   | 6.1   |

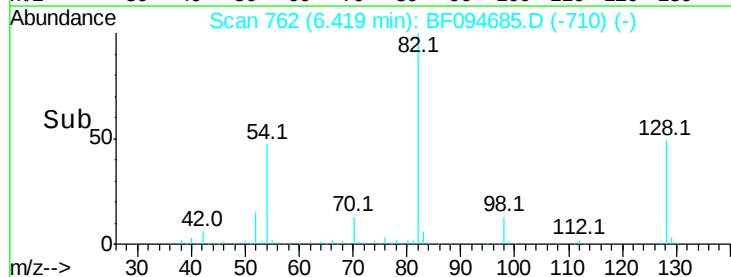
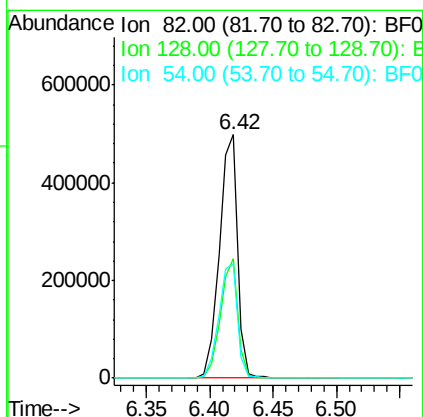
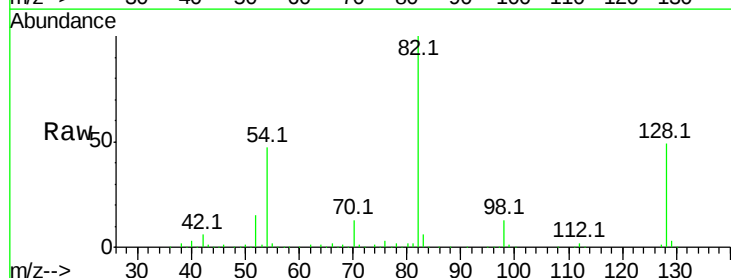
Manual Integrations  
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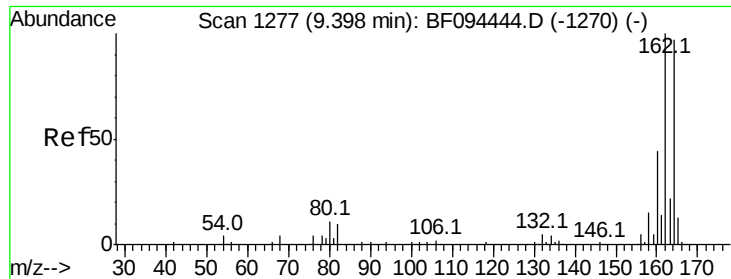
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#23  
Nitrobenzene-d5  
Concen: 86.03 ng  
RT: 6.42 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 502491 |       |       |
| 128     | 48.9  |        | 34.0  | 51.0  |
| 54      | 46.8  |        | 42.2  | 63.2  |





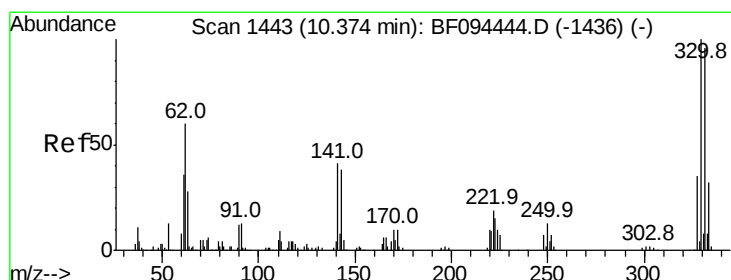
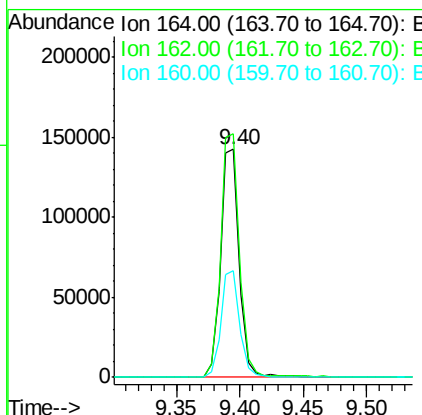
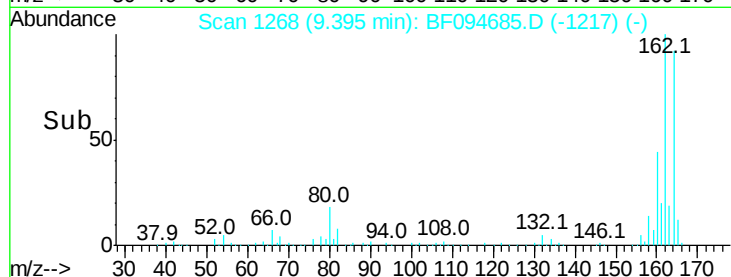
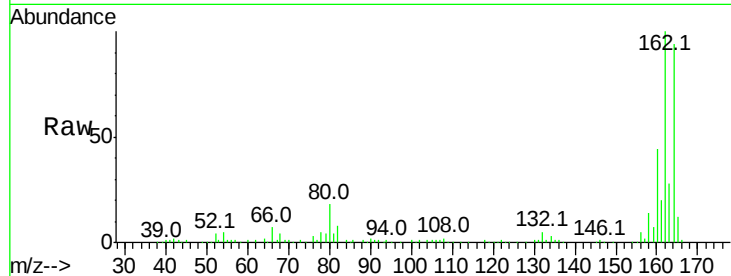
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.40 min Scan# 1268  
Delta R.T. -0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 146684 |       |       |
| 162     | 106.8 | 82.6   | 123.8 |       |
| 160     | 46.9  | 36.2   | 54.2  |       |

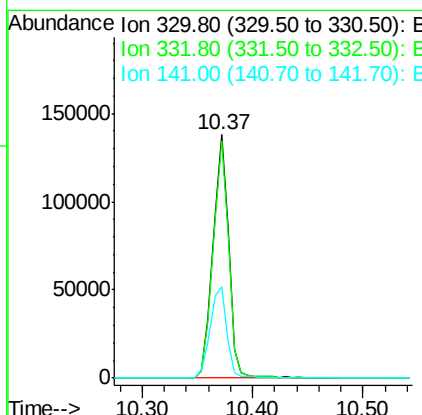
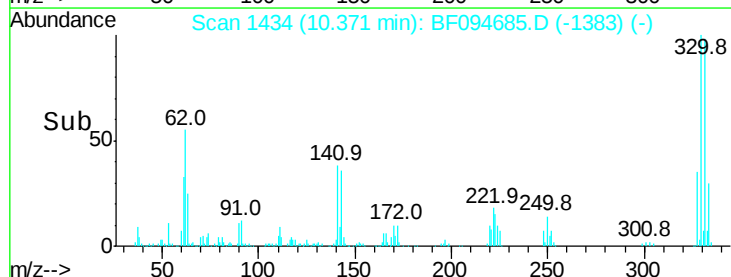
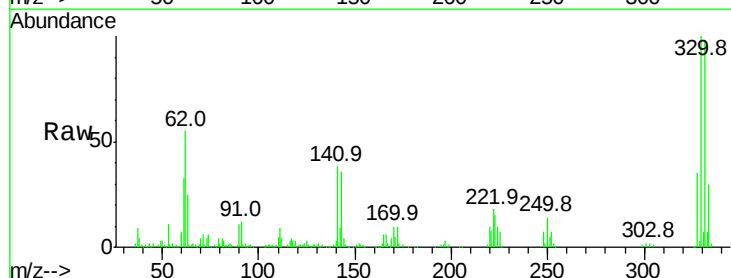
Manual Integrations  
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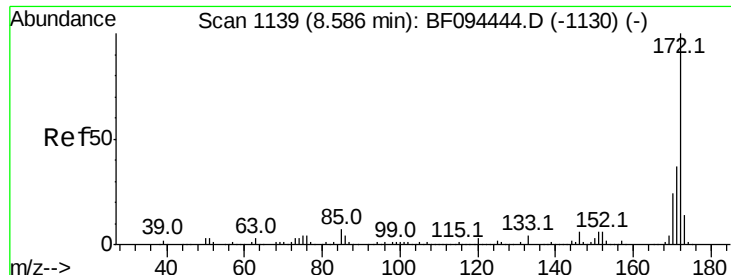
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#41  
2,4,6-Tribromophenol  
Concen: 117.86 ng  
RT: 10.37 min Scan# 1434  
Delta R.T. -0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 135222 |       |       |
| 332     | 96.0  | 76.6   | 115.0 |       |
| 141     | 39.4  | 31.4   | 47.2  |       |





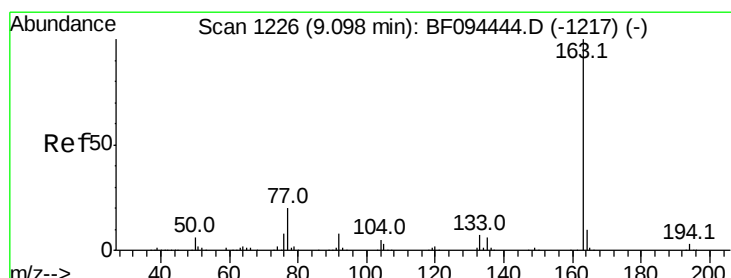
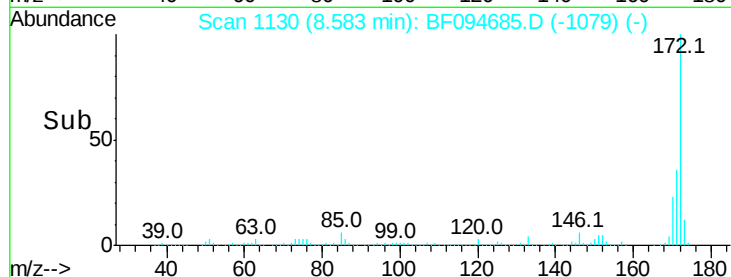
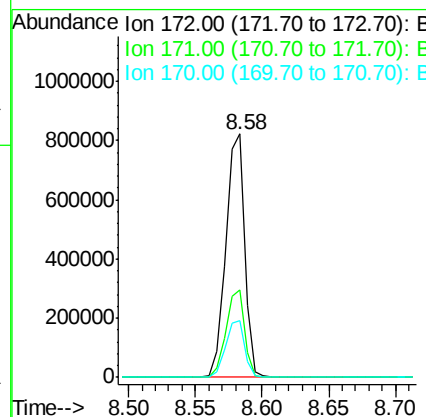
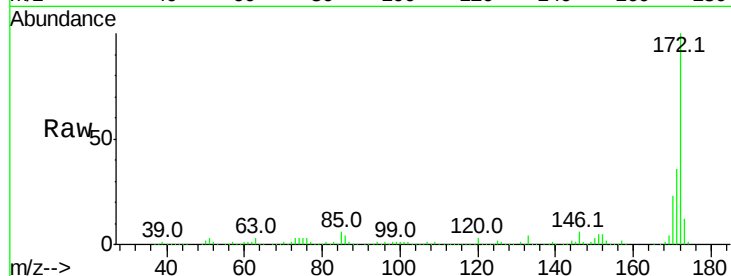
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2-Fluorobiphenyl  
Concen: 83.16 ng  
RT: 8.58 min Scan# 1130  
Delta R.T. -0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 35.7  |      | 29.6  | 44.4  |
| 170     | 23.4  |      | 19.8  | 29.8  |

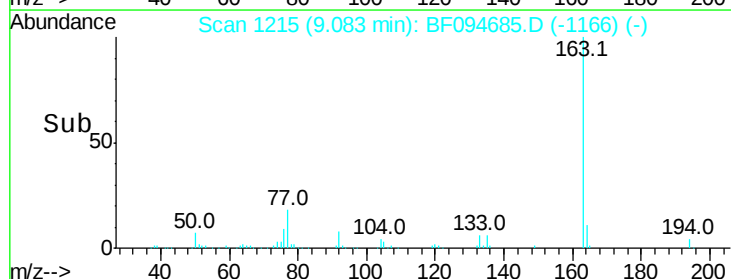
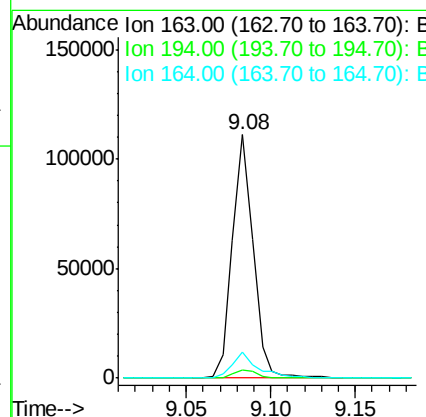
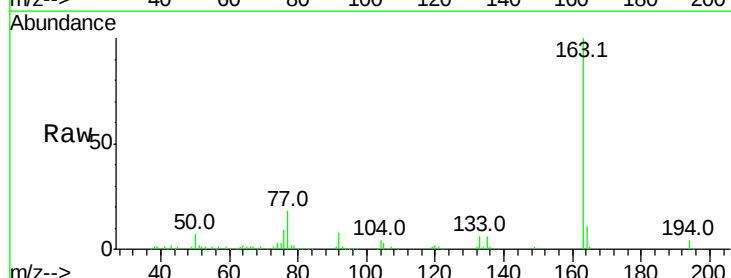
Manual Integrations  
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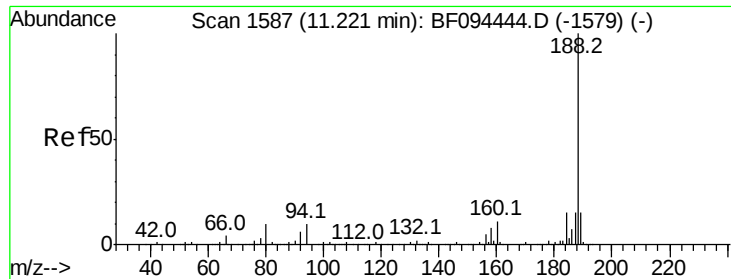
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5/1/2017 6:35:27 PM



#49  
Dimethylphthalate  
Concen: 8.77 ng  
RT: 9.08 min Scan# 1215  
Delta R.T. -0.01 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.6   |      | 2.6   | 4.0   |
| 164     | 10.7  |      | 8.4   | 12.6  |





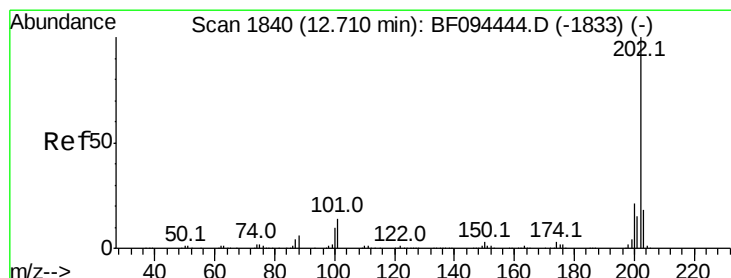
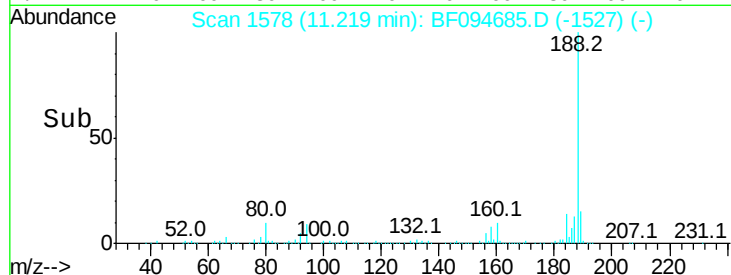
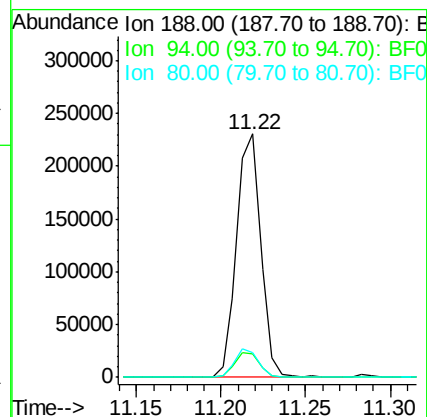
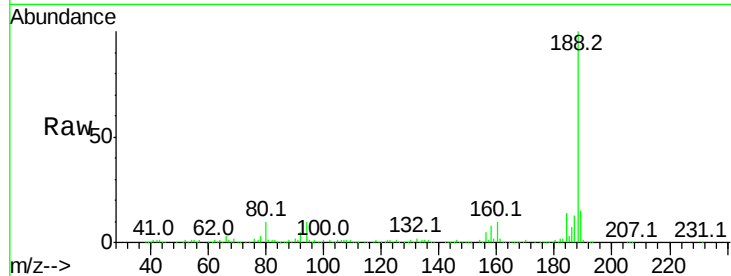
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 230563 |       |       |
| 94      | 9.5   |        | 9.4   | 14.2  |
| 80      | 10.2  |        | 10.2  | 15.2# |

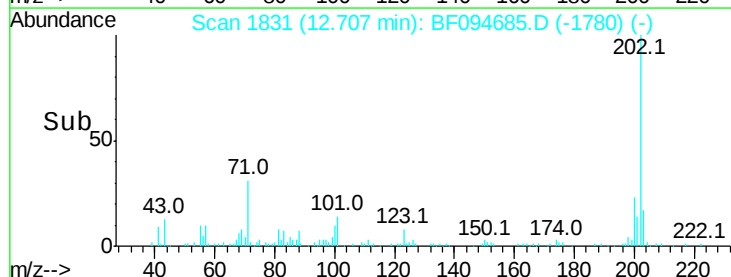
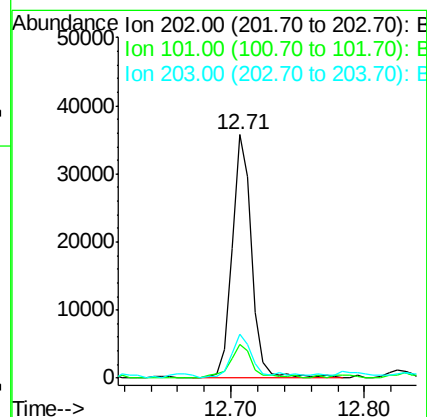
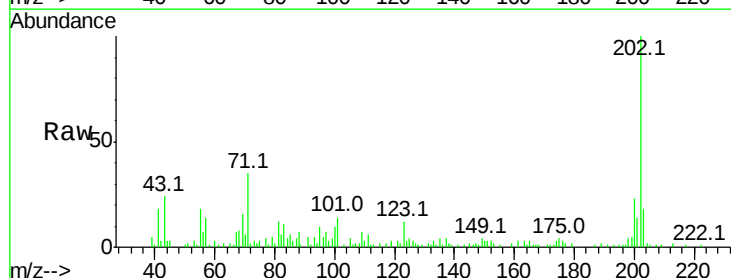
Manual Integrations  
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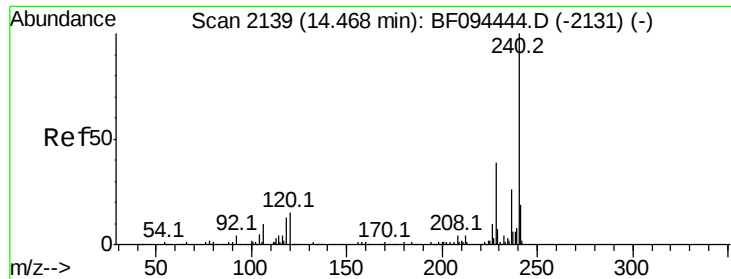
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#74  
Fluoranthene  
Concen: 2.77 ng  
RT: 12.71 min Scan# 1831  
Delta R.T. -0.00 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 37209 |       |       |
| 101     | 14.1  |       | 0.0   | 33.2  |
| 203     | 17.8  |       | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

Instrument :

BNA\_F

ClientSampleId :

EME-COMPOST-02

Tot Ion:240 Resp: 192818

Ion Ratio Lower Upper

240 100

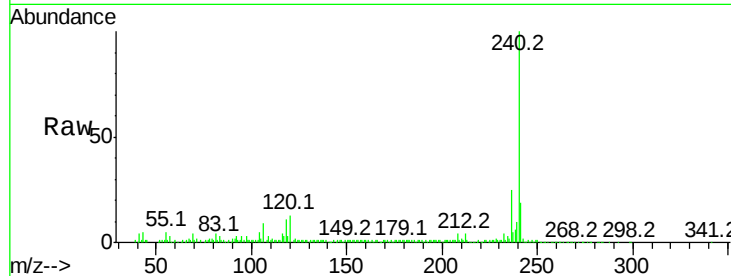
120 13.4 5.8 8.8#

236 24.7 20.5 30.7

Manual Integrations  
APPROVED

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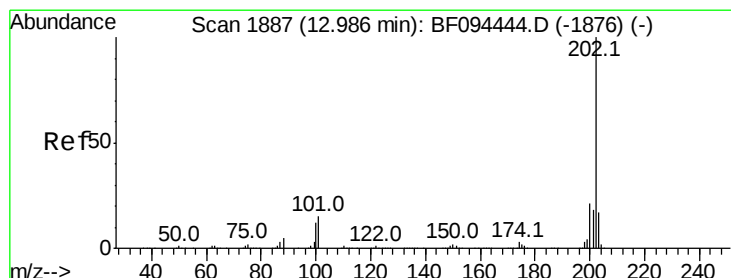
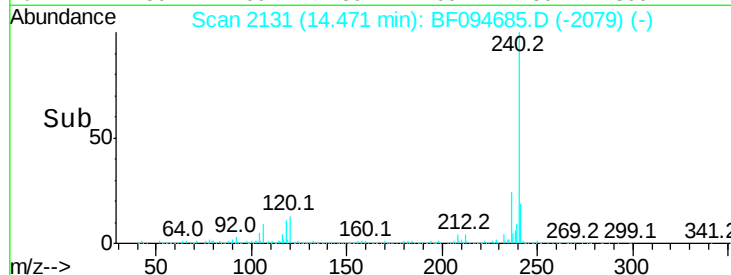
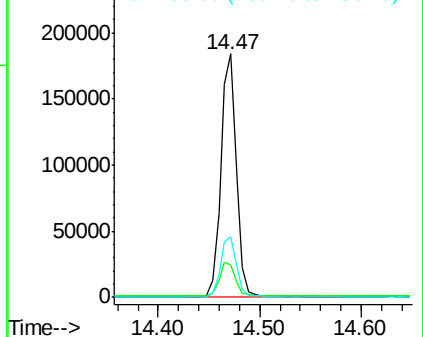
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.07 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094685.D

Acq: 28 Apr 2017 16:00

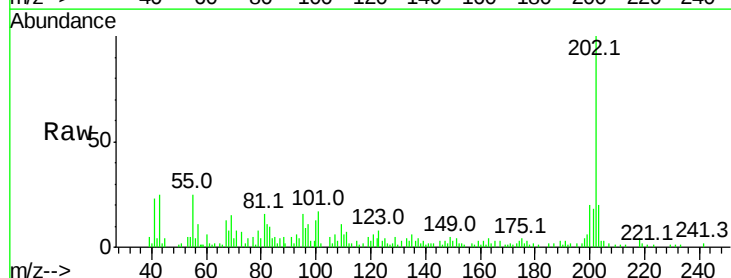
Tgt Ion:202 Resp: 27940

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

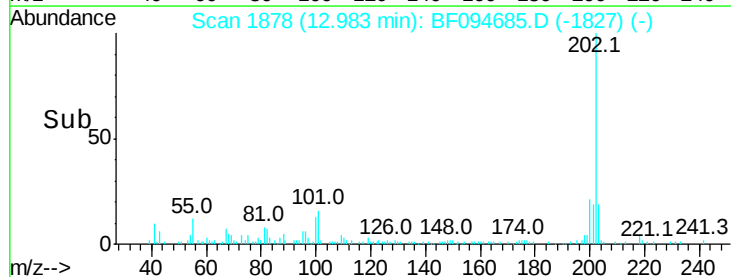
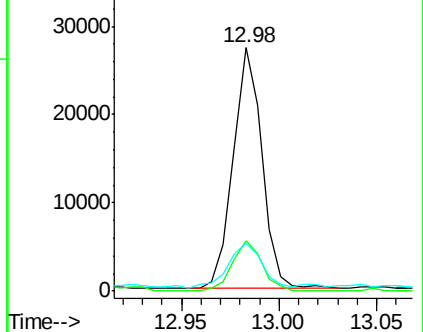
203 19.6 14.4 21.6

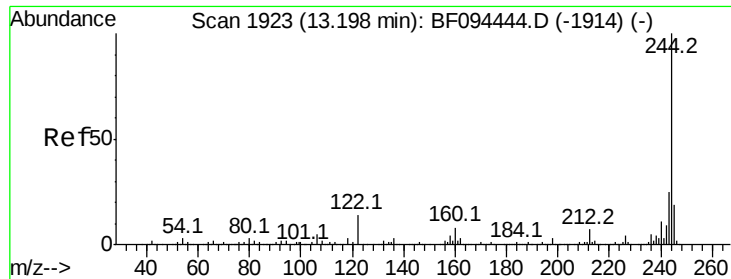


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





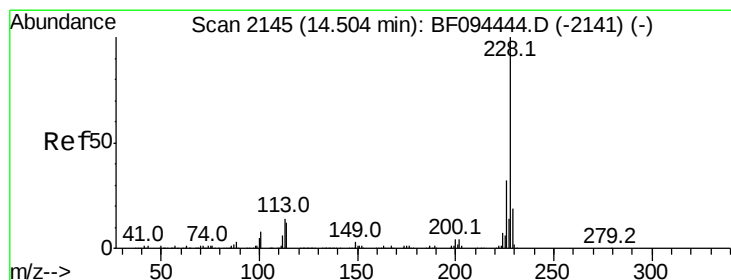
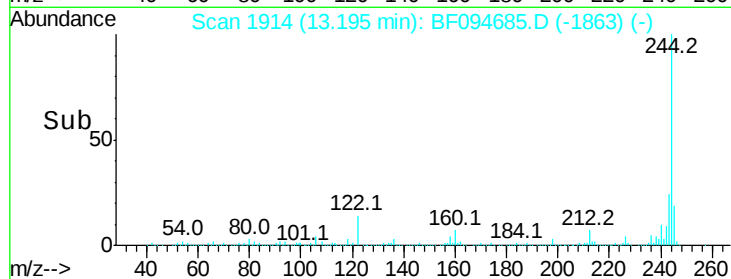
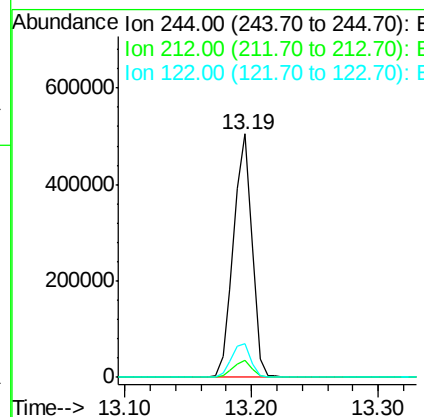
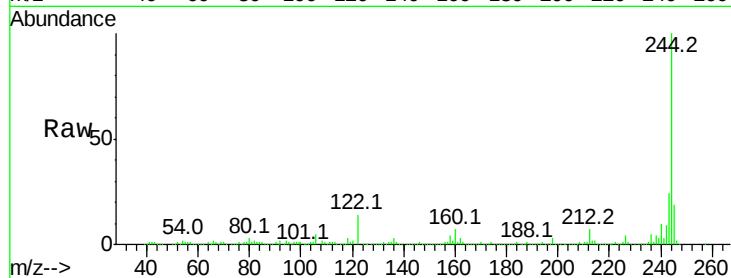
#78  
 Terphenyl-d14  
 Concen: 70.69 ng  
 RT: 13.19 min Scan# 1914  
 Delta R.T. -0.00 min  
 Lab File: BF094685.D  
 Acq: 28 Apr 2017 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-COMPOST-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 6.0   | 9.0   |
| 122     | 13.7  | 10.3  | 15.5  |

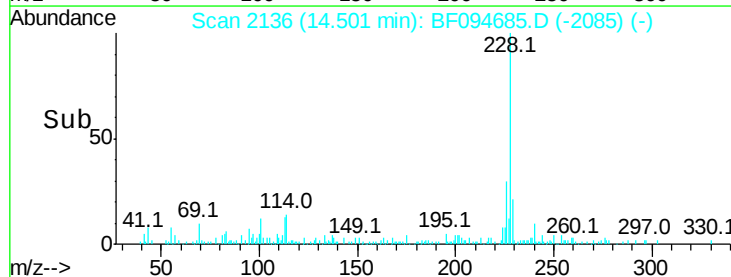
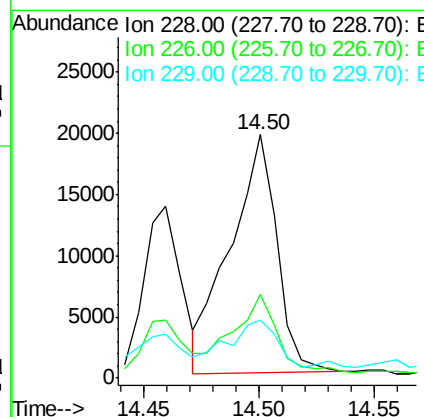
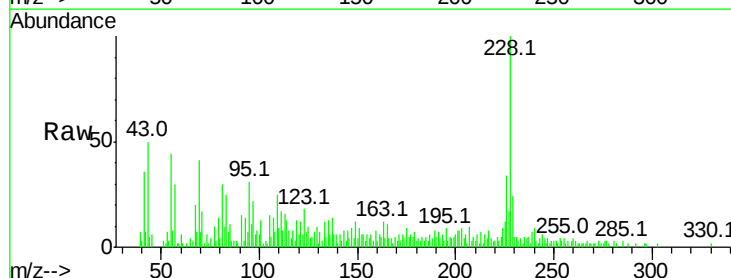
Manual Integrations  
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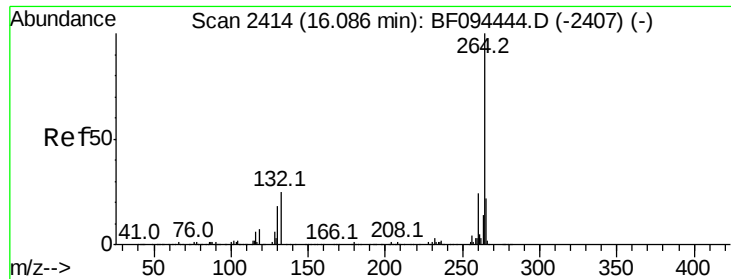
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#82  
 Chrysene  
 Concen: 2.68 ng  
 RT: 14.50 min Scan# 2136  
 Delta R.T. -0.00 min  
 Lab File: BF094685.D  
 Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.4  | 24.9  | 37.3  |
| 229     | 23.9  | 15.8  | 23.6  |





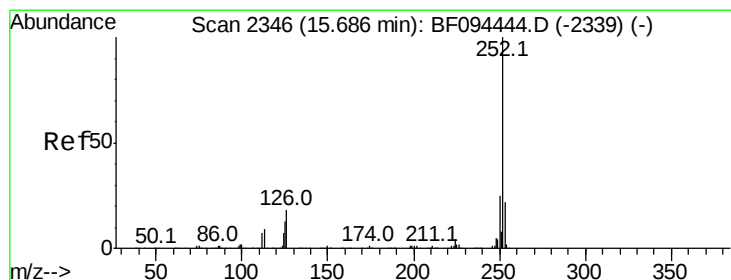
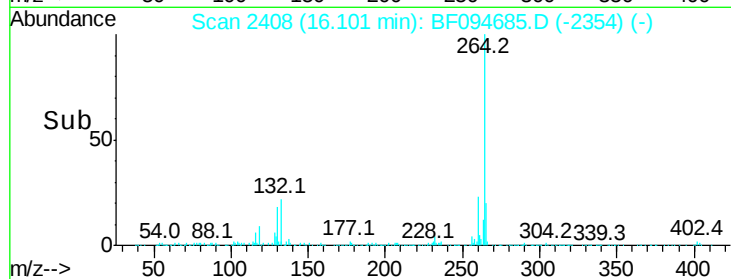
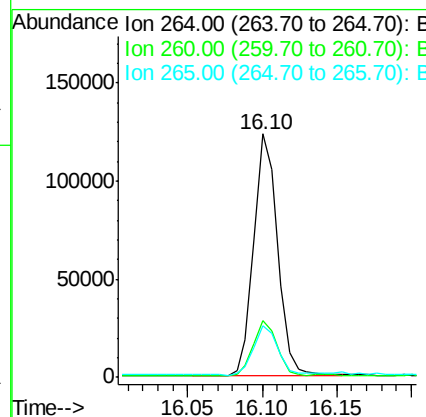
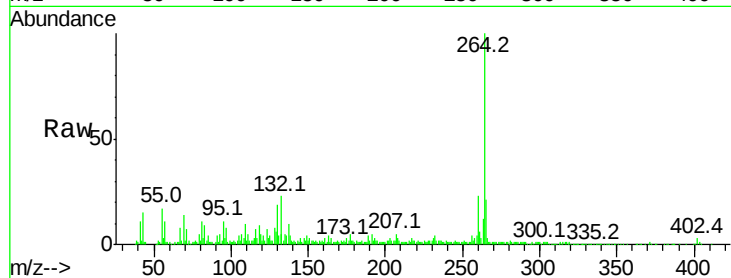
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.10 min Scan# 2408  
Delta R.T. 0.01 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.5  | 29.3  |
| 265     | 21.0  | 17.2  | 25.8  |

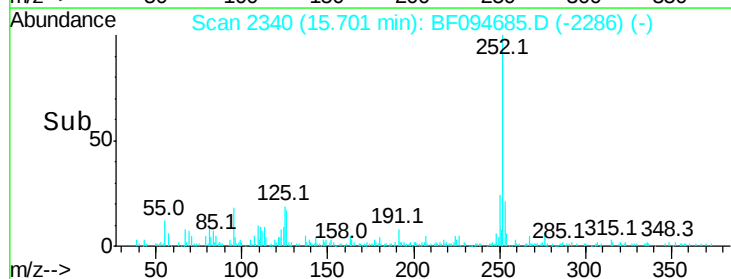
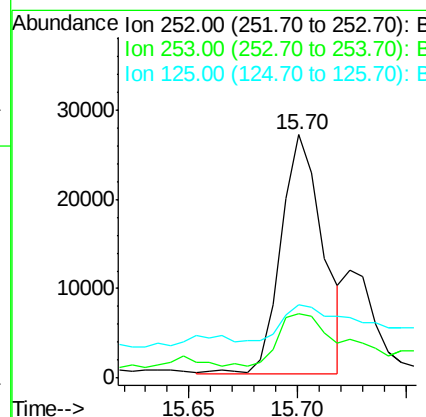
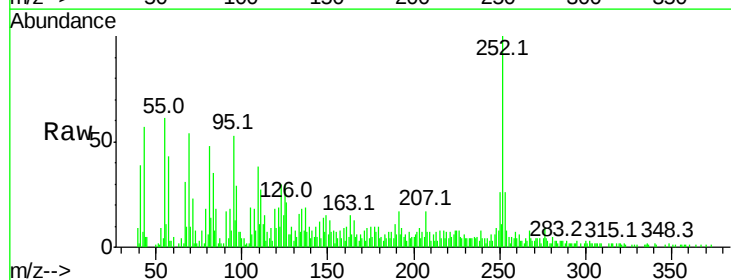
Manual Integrations  
APPROVED

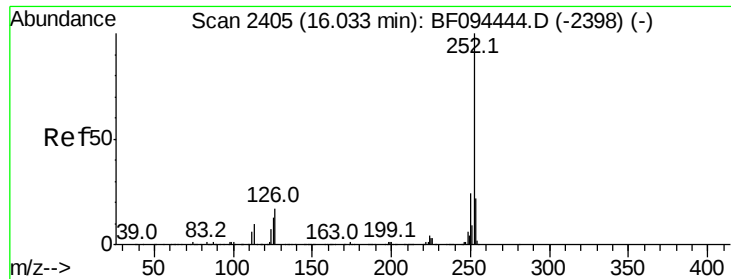
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#87  
Benzo(b)fluoranthene  
Concen: 4.34 ng m  
RT: 15.70 min Scan# 2340  
Delta R.T. 0.01 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.5  | 18.1  | 27.1  |
| 125     | 30.2  | 9.8   | 14.8  |





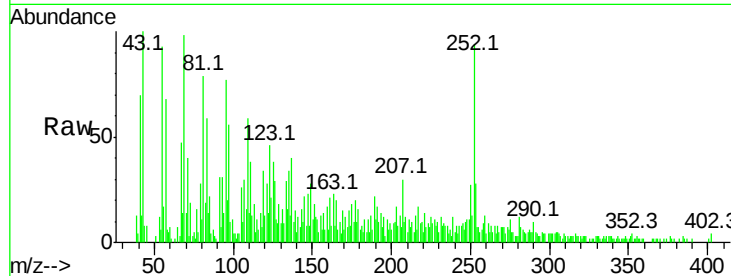
#89  
Benzo(a)pyrene  
Concen: 2.46 ng  
RT: 16.04 min Scan# 2398  
Delta R.T. 0.01 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
EME-COMPOST-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.5  | 17.5  | 26.3# |
| 125     | 40.2  | 11.0  | 16.4# |

Manual Integrations  
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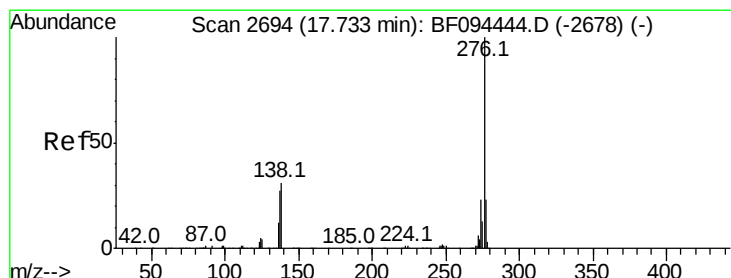
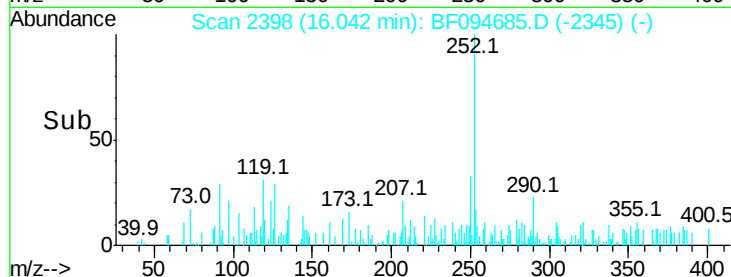
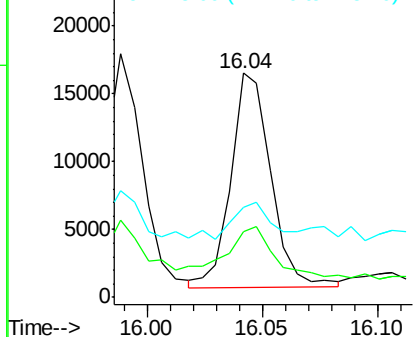


Abundance

Ion 252.00 (251.70 to 252.70): E

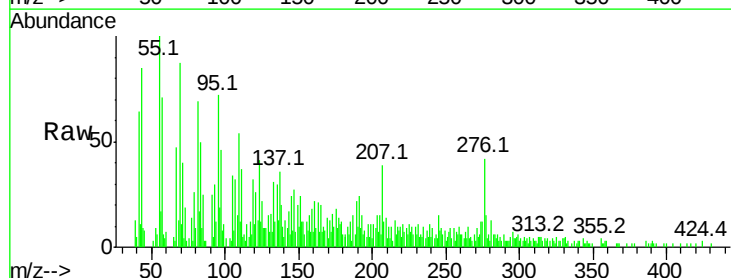
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 2.27 ng  
RT: 17.79 min Scan# 2695  
Delta R.T. 0.06 min  
Lab File: BF094685.D  
Acq: 28 Apr 2017 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 36.8  | 18.6  | 28.0# |
| 138     | 49.1  | 25.4  | 38.0# |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

