

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
 Data File : BF090592.D  
 Acq On : 15 Oct 2016 7:35  
 Operator : UM/SJ  
 Sample : H5194-01  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-PLANTING-SOIL

Quant Time: Oct 17 01:04:15 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 12:44:45 2016  
 Response via : Initial Calibration

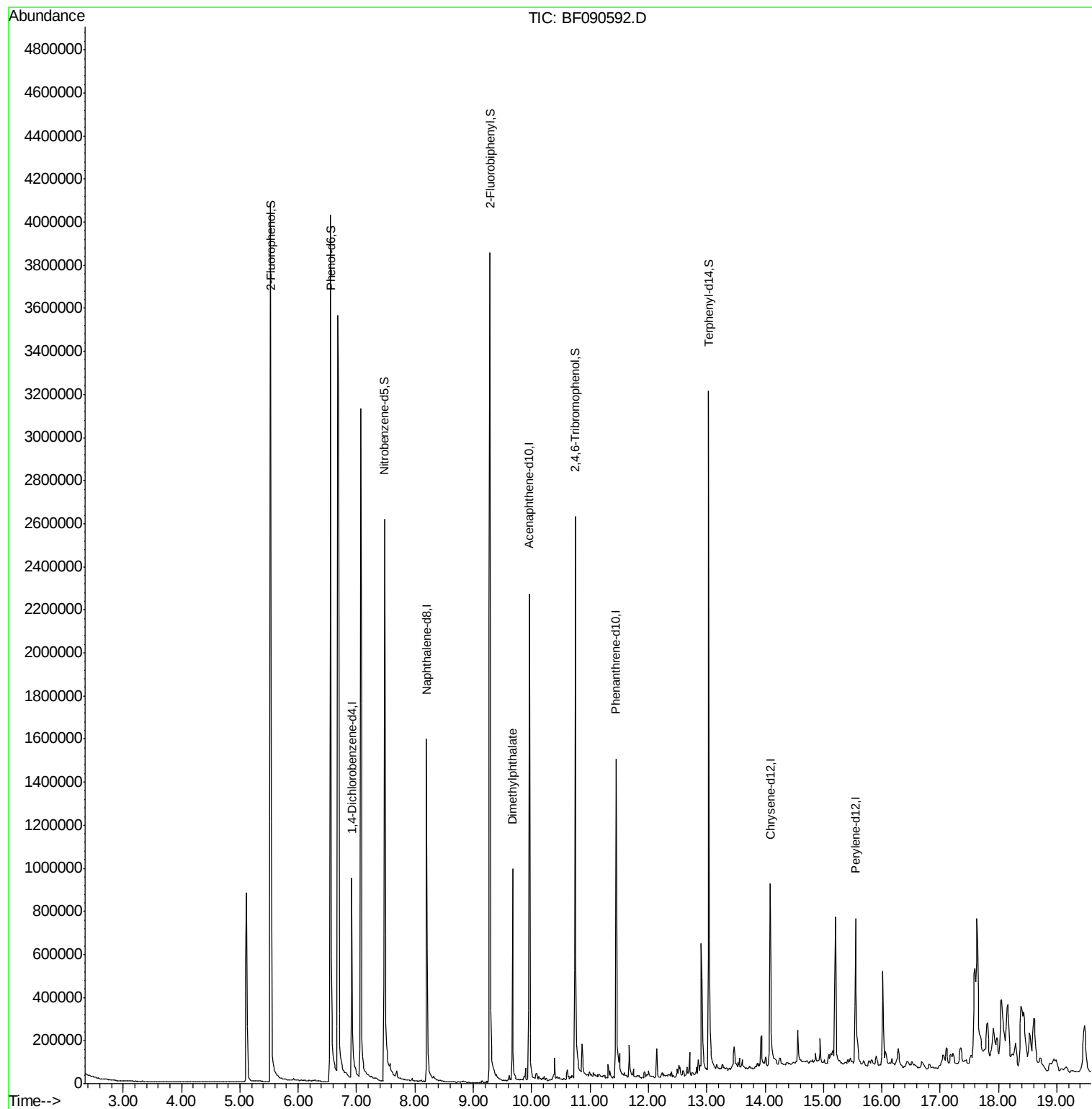
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 204573   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 871492   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 451664   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.45 | 188  | 623316   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.09 | 240  | 366732   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.55 | 264  | 358012   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1270449  | 113.85 | ng    | 0.00     |
| 7) Phenol-d6                | 6.55  | 99   | 1942769  | 117.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 1181719  | 75.32  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 310095   | 77.01  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1584725  | 57.81  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.04 | 244  | 1040590  | 66.07  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.67  | 163  | 382043   | 13.04  | ng    | 99       |

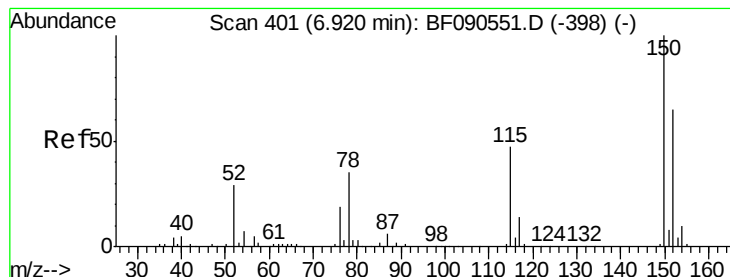
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 14 12:44:45 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090592.D

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Instrument :

BNA\_F

ClientSampleId :

EME-PLANTING-SOIL

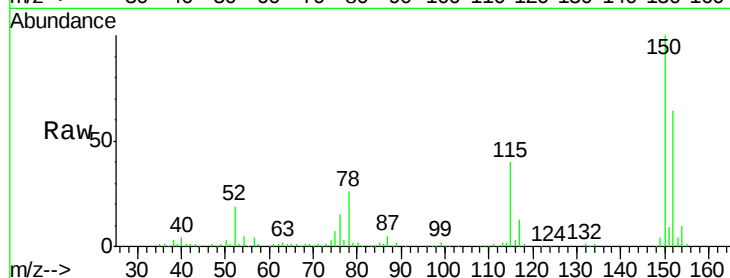
Tot Ion:152 Resp: 204573

Ion Ratio Lower Upper

152 100

150 155.2 127.2 190.8

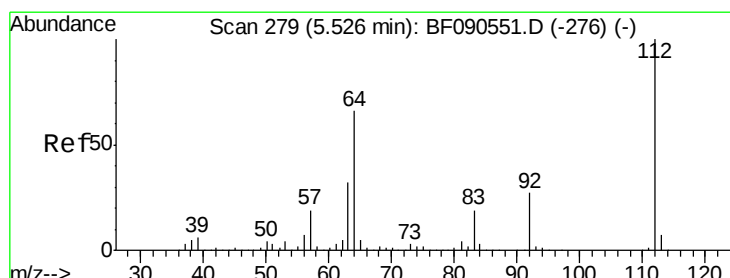
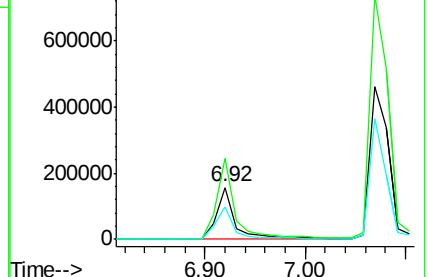
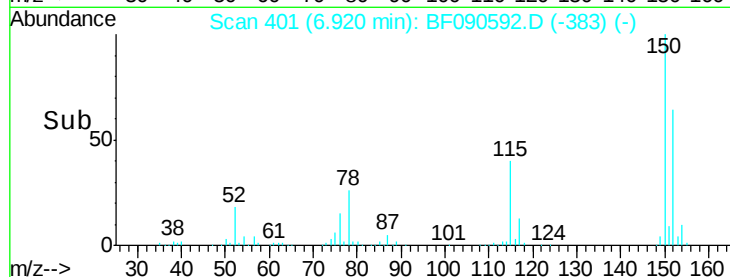
115 61.6 58.6 88.0



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: 113.85 ng

RT: 5.53 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF090592.D

Acq: 15 Oct 2016 7:35

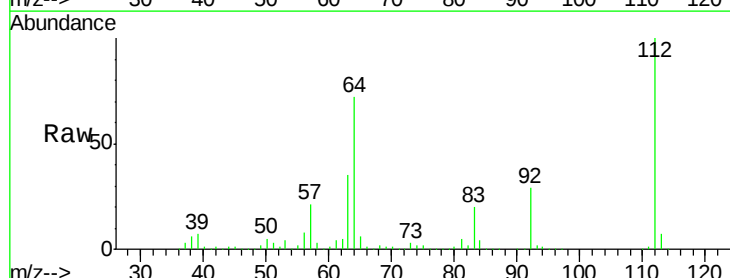
Tgt Ion:112 Resp: 1270449

Ion Ratio Lower Upper

112 100

64 71.7 52.6 78.8

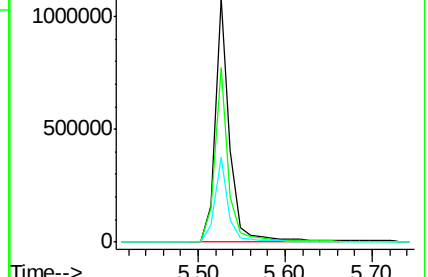
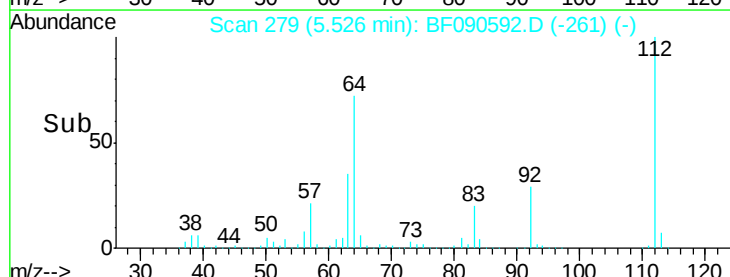
63 35.1 26.0 39.0

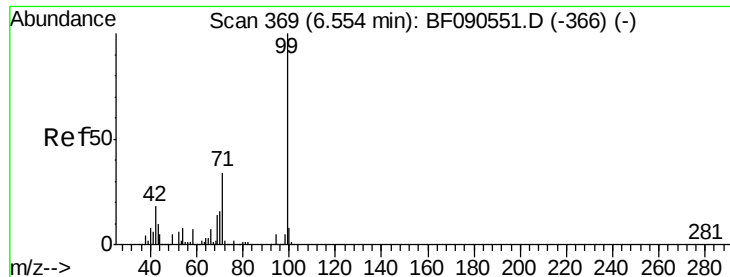


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.17 ng

RT: 6.55 min Scan# 369

Delta R.T. 0.00 min

Lab File: BF090592.D

Acq: 15 Oct 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

EME-PLANTING-SOIL

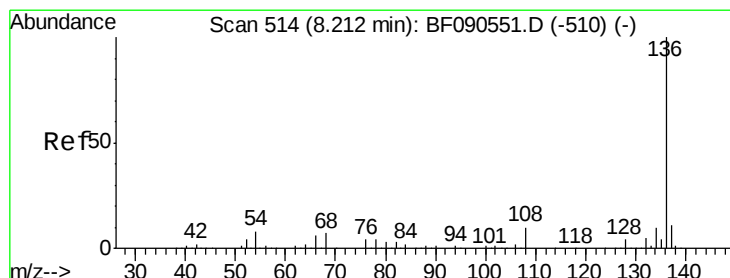
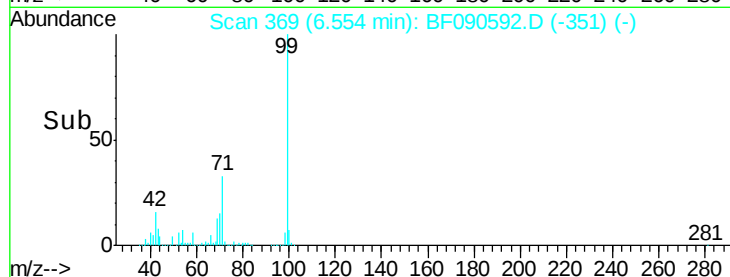
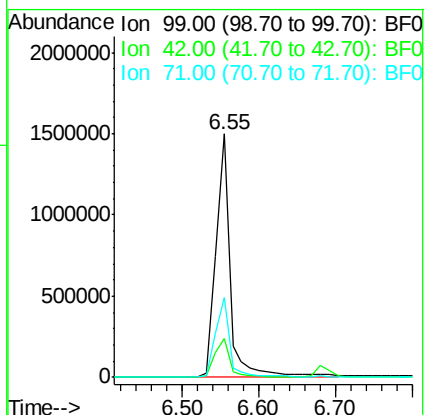
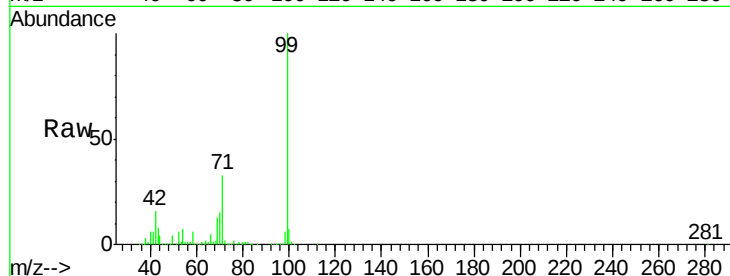
Tot Ion: 99 Resp: 1942769

Ion Ratio Lower Upper

99 100

42 15.9 14.7 22.1

71 32.7 27.6 41.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF090592.D

Acq: 15 Oct 2016 7:35

Tgt Ion: 136 Resp: 871492

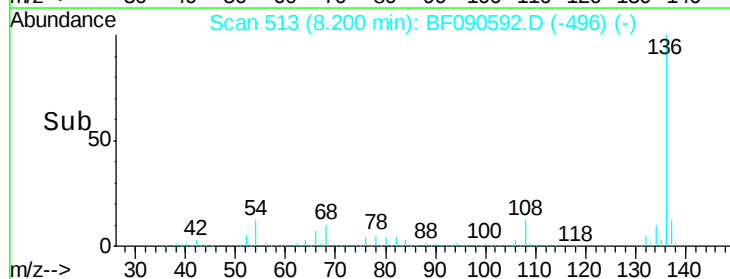
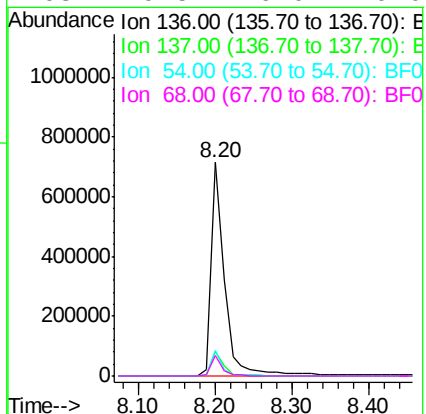
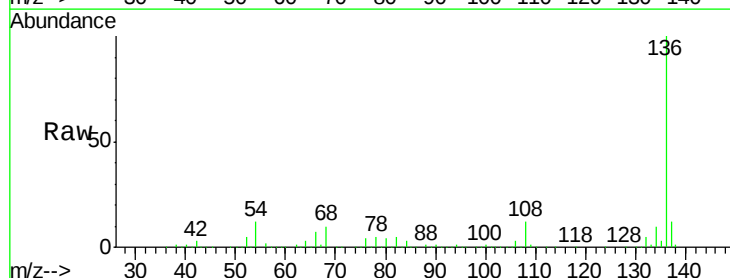
Ion Ratio Lower Upper

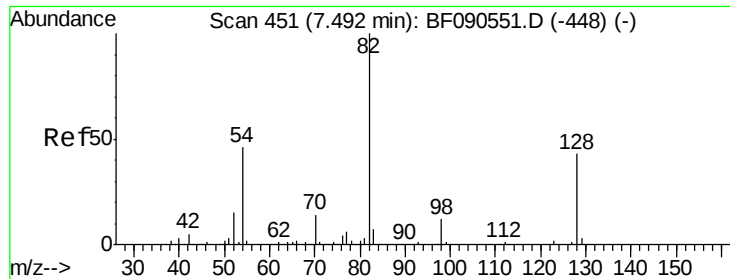
136 100

137 11.5 8.8 13.2

54 11.7 6.8 10.2#

68 9.5 6.0 9.0#

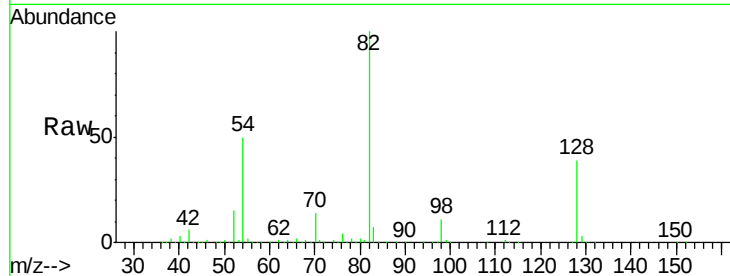




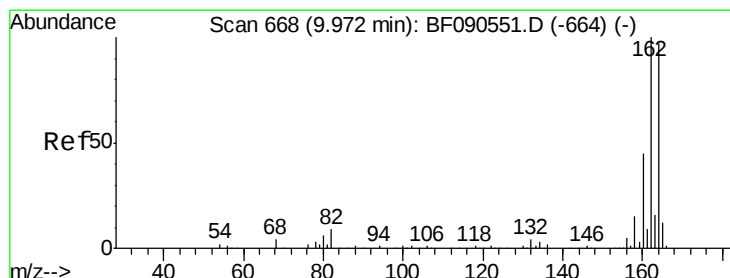
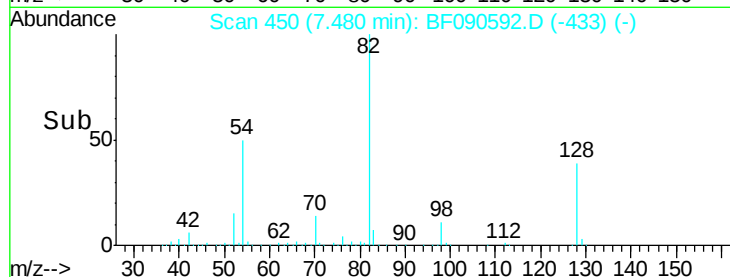
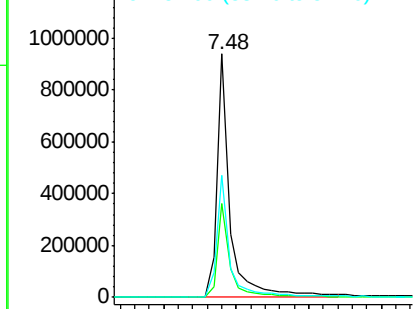
#23  
 Nitrobenzene-d5  
 Concen: 75.32 ng  
 RT: 7.48 min Scan# 450  
 Delta R.T. -0.01 min  
 Lab File: BF090592.D  
 Acq: 15 Oct 2016 7:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-PLANTING-SOIL

Tot Ion: 82 Resp: 1181719  
 Ion Ratio Lower Upper  
 82 100  
 128 38.6 34.3 51.5  
 54 50.2 37.0 55.6

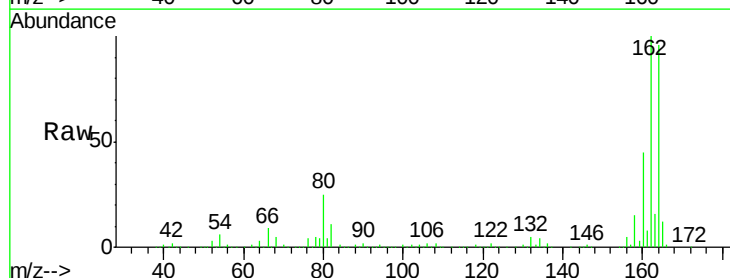


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

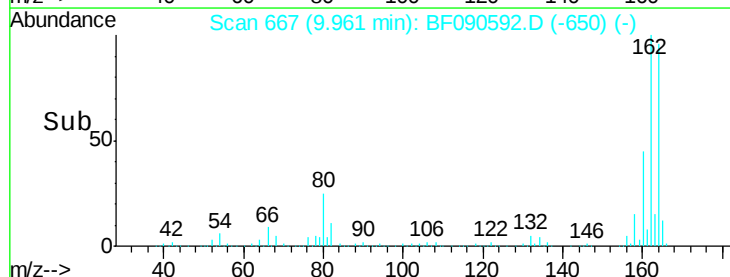
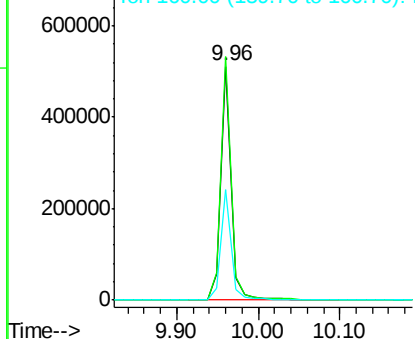


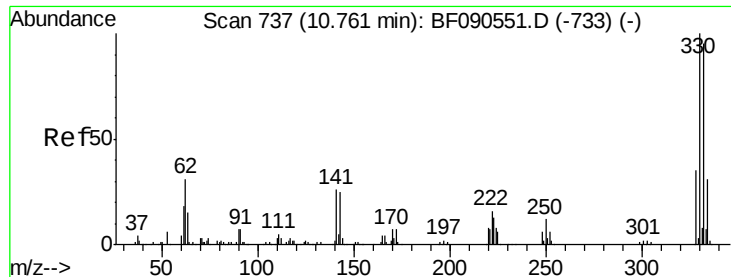
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 667  
 Delta R.T. -0.01 min  
 Lab File: BF090592.D  
 Acq: 15 Oct 2016 7:35

Tgt Ion:164 Resp: 451664  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 82.2 123.4  
 160 47.1 36.6 55.0



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

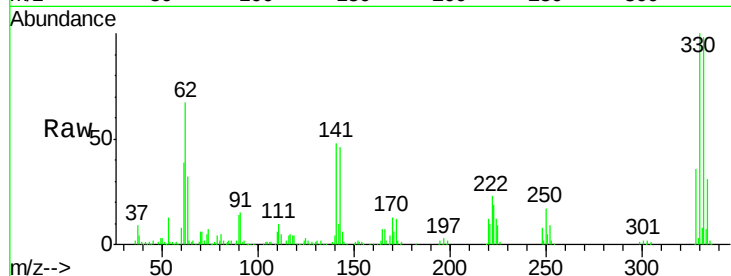




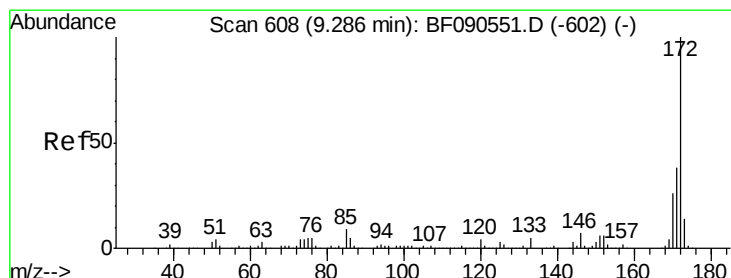
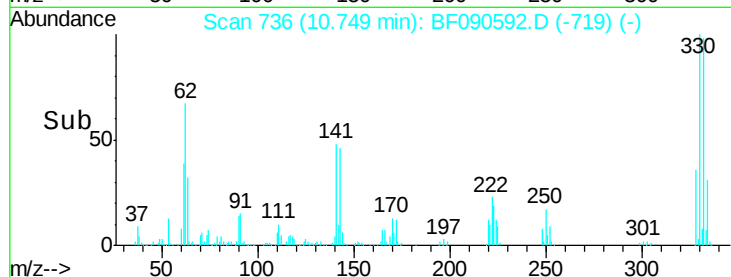
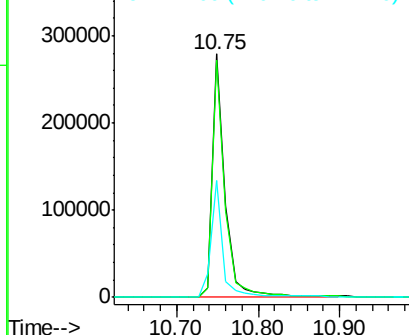
#41  
 2,4,6-Tribromophenol  
 Concen: 77.01 ng  
 RT: 10.75 min Scan# 736  
 Delta R.T. -0.01 min  
 Lab File: BF090592.D  
 Acq: 15 Oct 2016 7:35

Instrument :  
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 ClientSampleId :  
 EME-PLANTING-SOIL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.2  | 114.2 |
| 141     | 44.8  | 31.4  | 47.2  |

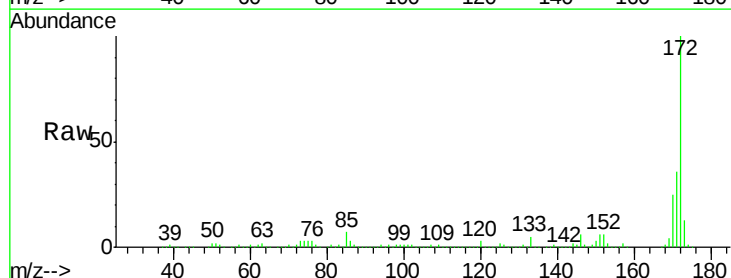


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

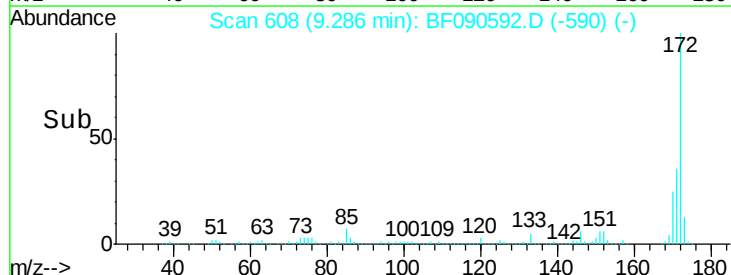
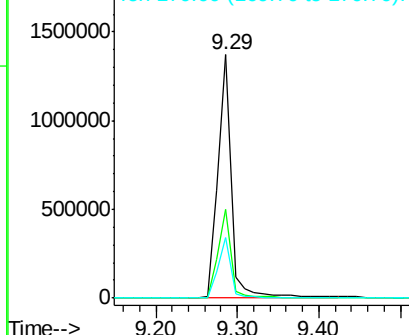


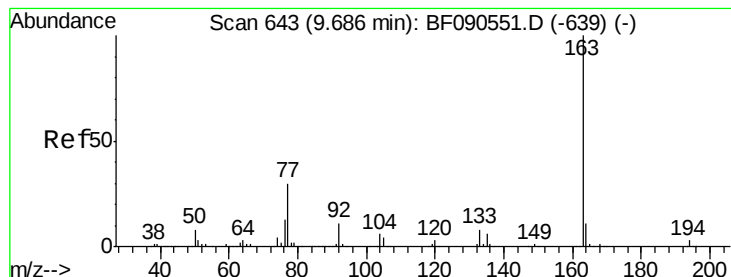
#44  
 2-Fluorobiphenyl  
 Concen: 57.81 ng  
 RT: 9.29 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: BF090592.D  
 Acq: 15 Oct 2016 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 30.1  | 45.1  |
| 170     | 24.7  | 20.6  | 30.8  |



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: 13.04 ng

RT: 9.67 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF090592.D

Acq: 15 Oct 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

EME-PLANTING-SOIL

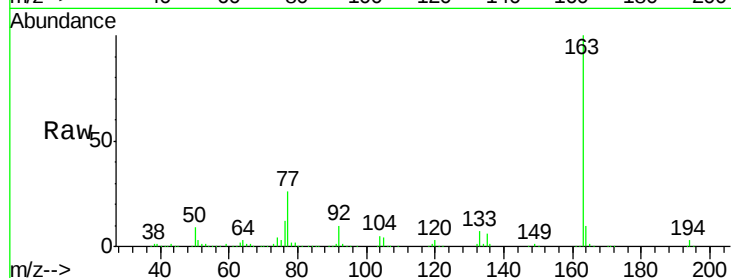
Tot Ion:163 Resp: 382043

Ion Ratio Lower Upper

163 100

194 2.9 2.3 3.5

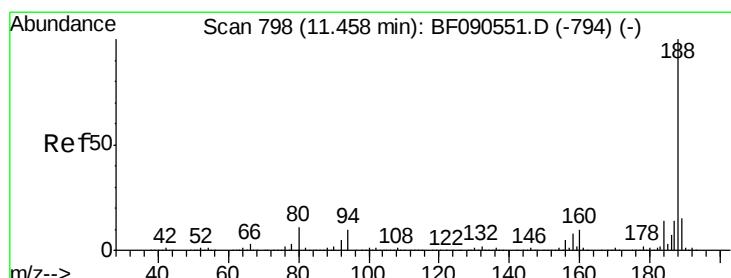
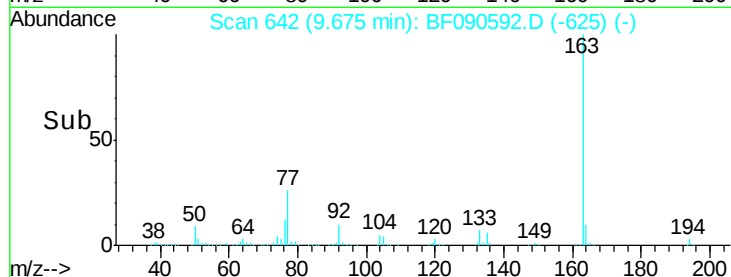
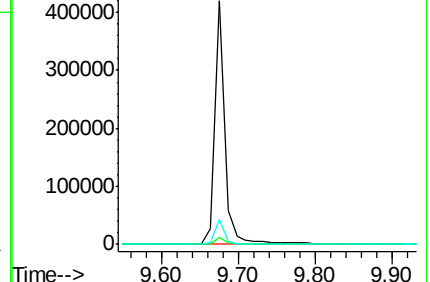
164 10.1 8.6 13.0



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: 11.45 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF090592.D

Acq: 15 Oct 2016 7:35

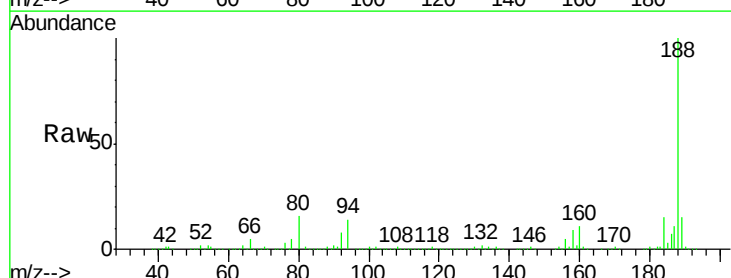
Tgt Ion:188 Resp: 623316

Ion Ratio Lower Upper

188 100

94 13.7 7.7 11.5#

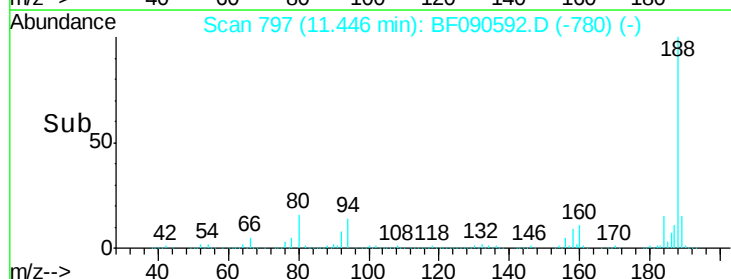
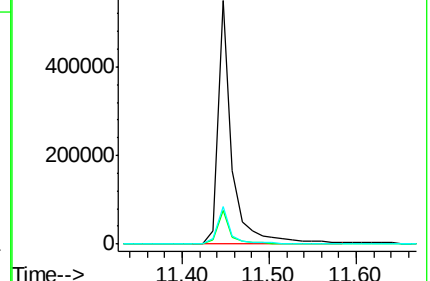
80 15.6 8.6 12.8#

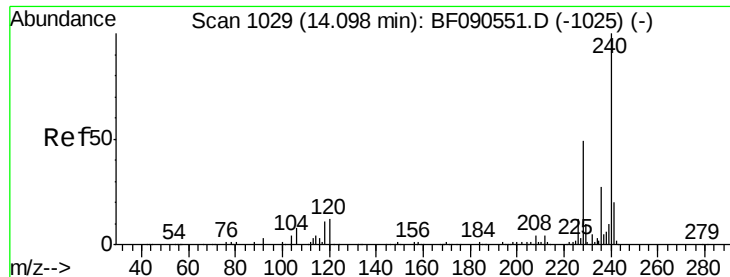


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090592.D

Acq: 15 Oct 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

EME-PLANTING-SOIL

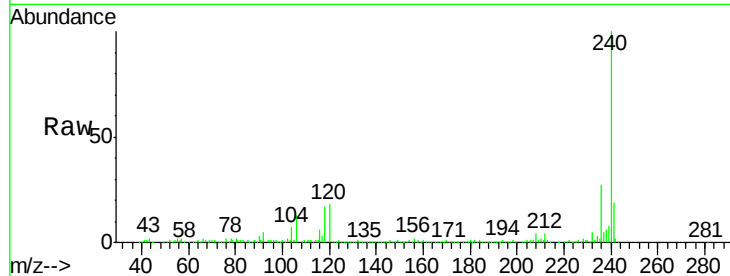
Tot Ion:240 Resp: 366732

Ion Ratio Lower Upper

240 100

120 17.5 9.8 14.8#

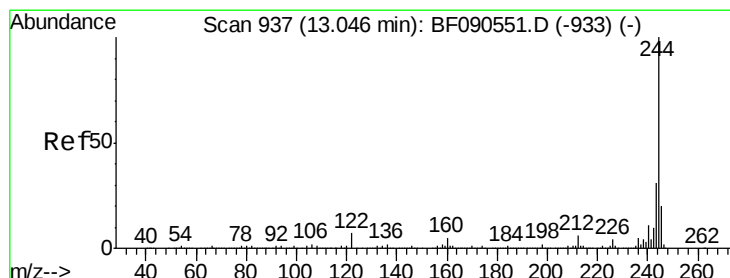
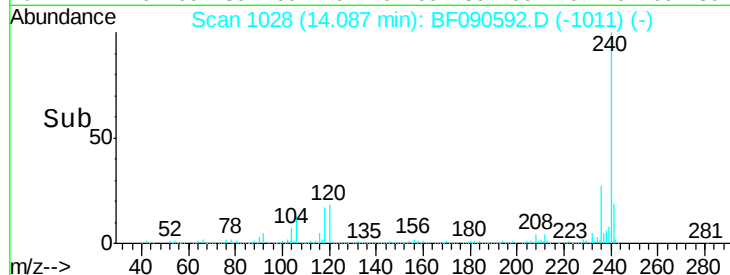
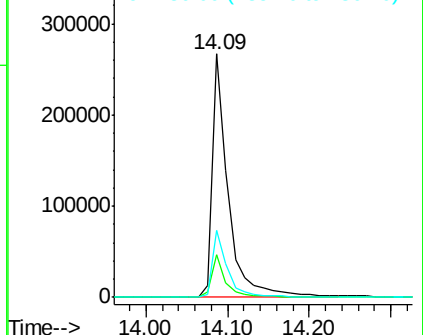
236 27.4 21.7 32.5



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: 66.07 ng

RT: 13.04 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090592.D

Acq: 15 Oct 2016 7:35

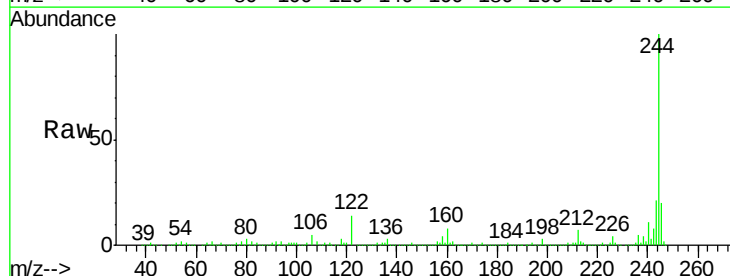
Tgt Ion:244 Resp: 1040590

Ion Ratio Lower Upper

244 100

212 7.5 5.0 7.4#

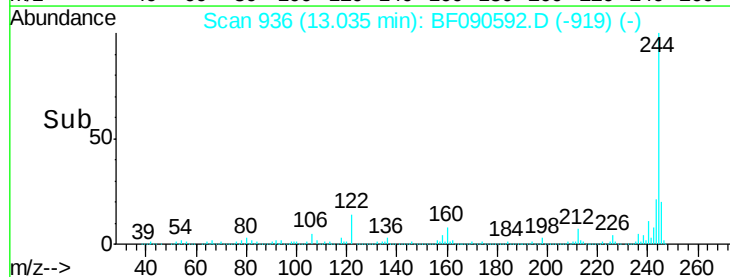
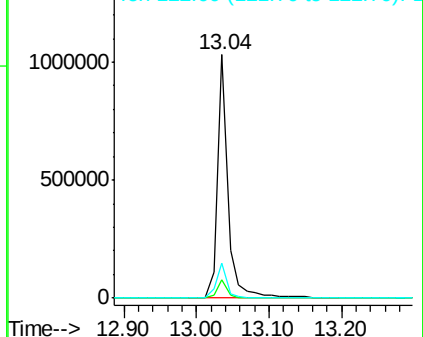
122 14.4 5.6 8.4#

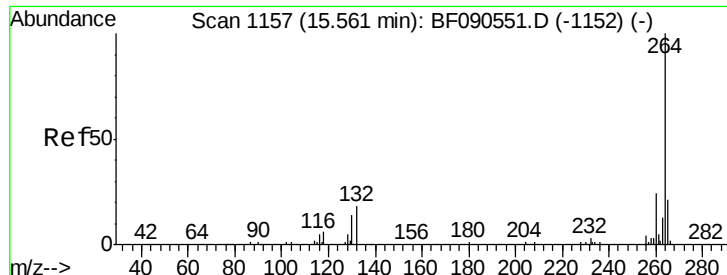


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.55 min Scan# 1156  
 Delta R.T. -0.01 min  
 Lab File: BF090592.D  
 Acq: 15 Oct 2016 7:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-PLANTING-SOIL

Tot Ion:264 Resp: 358012  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.3 28.9  
 265 21.8 16.7 25.1

