

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\  
 Data File : BF086256.D  
 Acq On : 16 Apr 2016 10:43  
 Operator : UM/SJ  
 Sample : H2413-15  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELD-BLABK-4-8-16

Quant Time: Apr 18 05:00:26 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 15 15:56:31 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 274271   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.18  | 136  | 1152836  | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.93  | 164  | 485862   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.41 | 188  | 880527   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.04 | 240  | 501386   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.48 | 264  | 442665   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 1104603  | 65.99  | ng    | 0.00     |
| 7) Phenol-d6                | 6.51  | 99   | 867561   | 41.43  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 1773457  | 88.73  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 493129   | 126.40 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 2526957  | 95.97  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.00 | 244  | 1789661  | 89.76  | ng    | 0.00     |

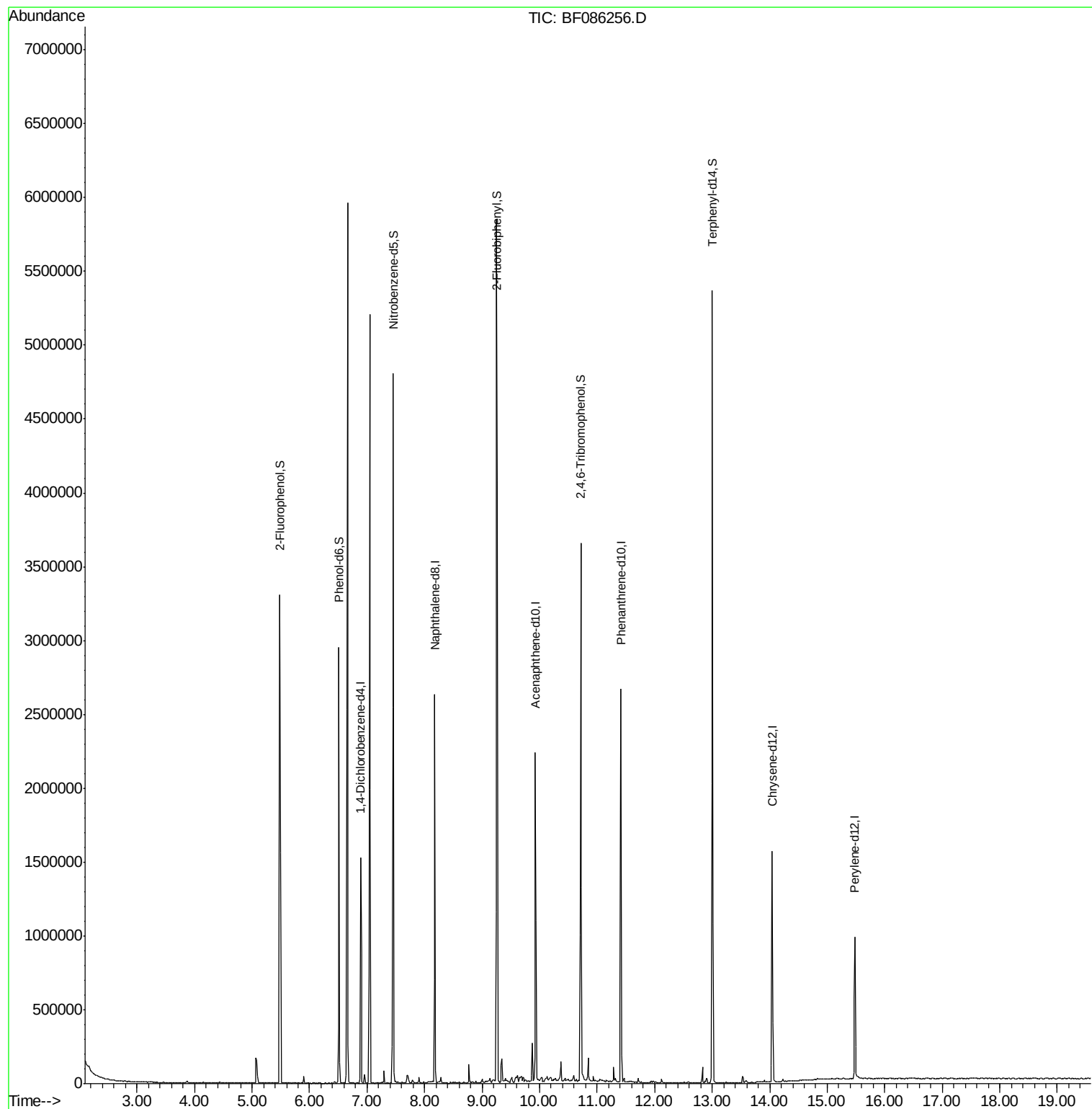
Target Compounds Qvalue

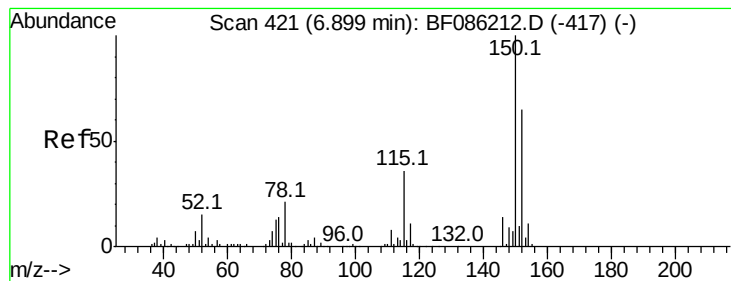
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 37 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
FIELD-BLABK-4-8-16

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 15 15:56:31 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086256.D

Acq: 16 Apr 2016 10:43

Instrument :

BNA\_F

ClientSampleId :

FIELD-BLABK-4-8-16

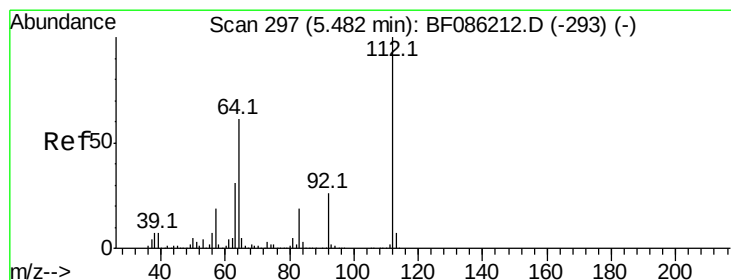
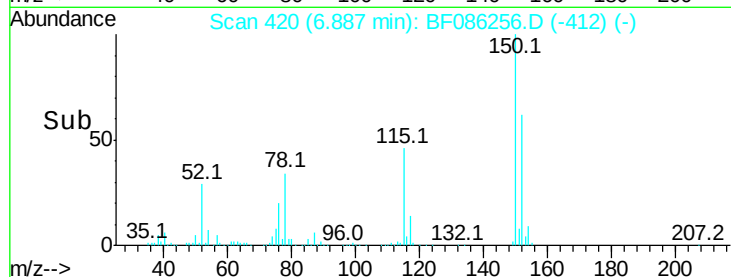
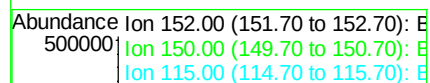
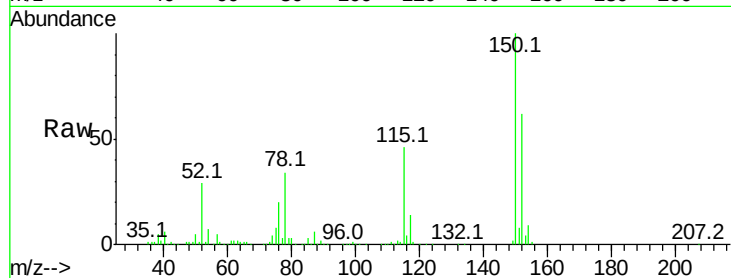
Tot Ion:152 Resp: 274271

Ion Ratio Lower Upper

152 100

150 161.0 124.1 186.1

115 73.9 43.9 65.9#



#5

2-Fluorophenol

Concen: 65.99 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF086256.D

Acq: 16 Apr 2016 10:43

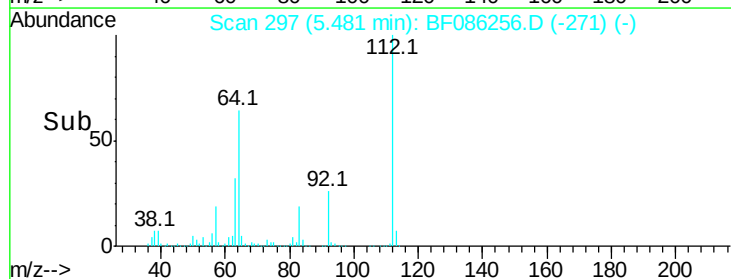
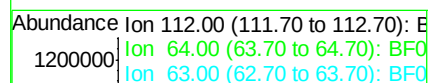
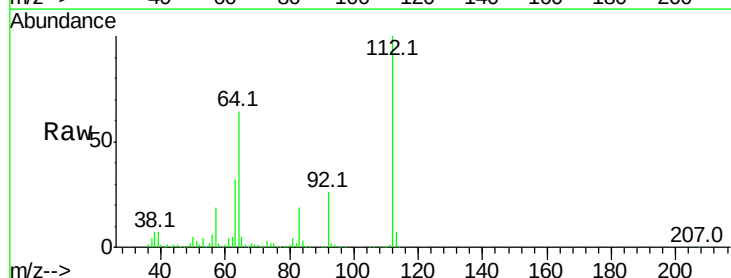
Tgt Ion:112 Resp: 1104603

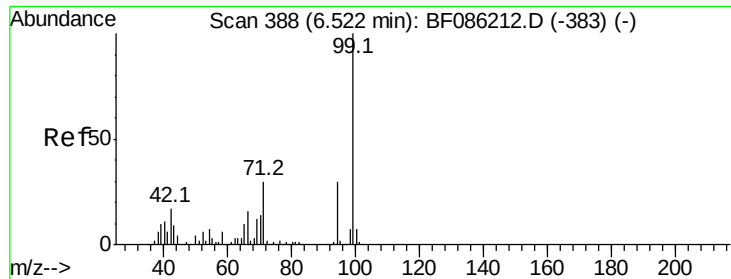
Ion Ratio Lower Upper

112 100

64 63.6 48.1 72.1

63 32.3 25.5 38.3





#7

Phenol-d6

Concen: 41.43 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086256.D

Acq: 16 Apr 2016 10:43

Instrument :

BNA\_F

ClientSampleId :

FIELD-BLABK-4-8-16

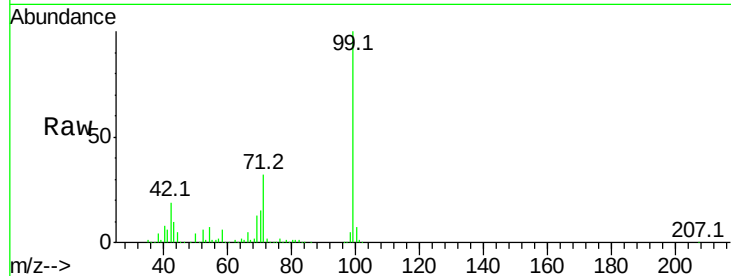
Tot Ion: 99 Resp: 867561

Ion Ratio Lower Upper

99 100

42 19.1 15.4 23.2

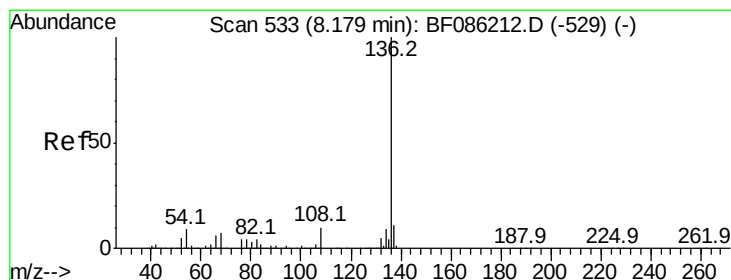
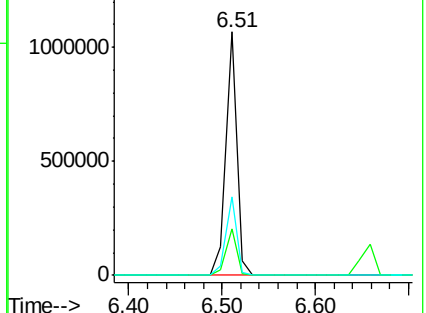
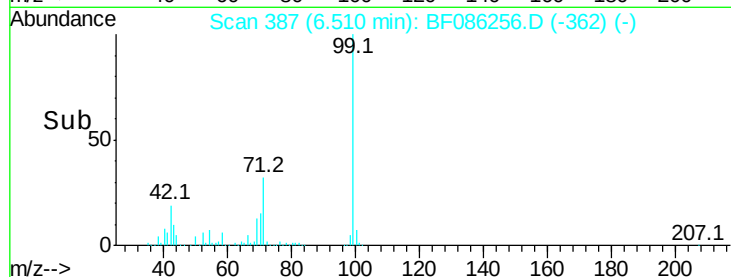
71 32.3 25.6 38.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086256.D

Acq: 16 Apr 2016 10:43

Tgt Ion: 136 Resp: 1152836

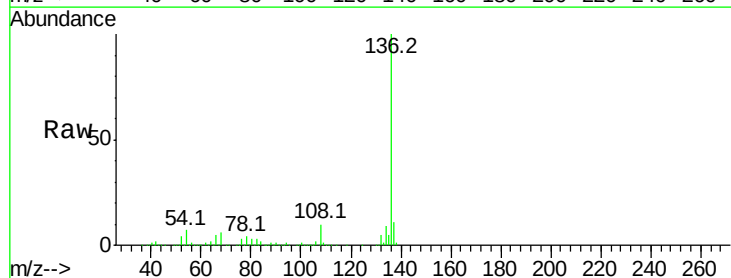
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.3 7.3 10.9#

68 6.0 5.7 8.5

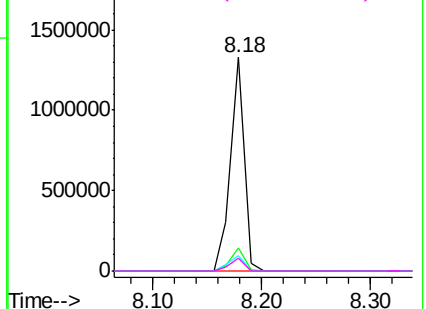
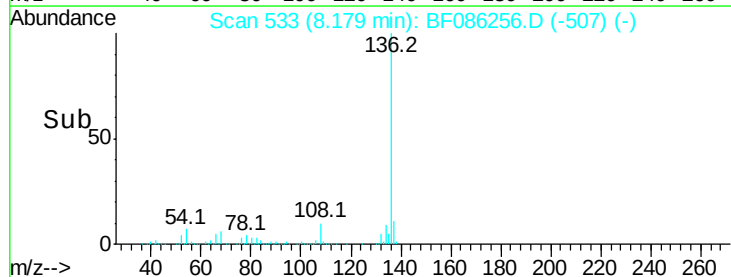


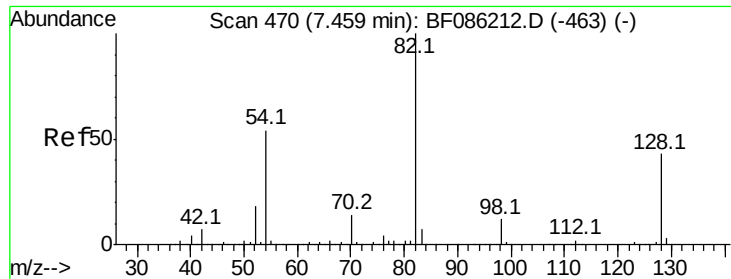
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



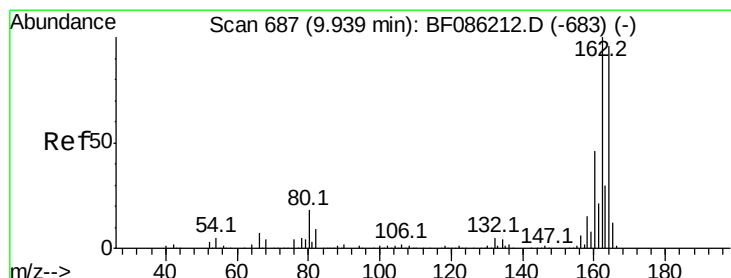
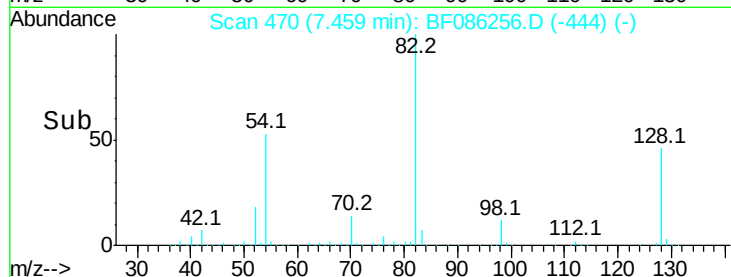
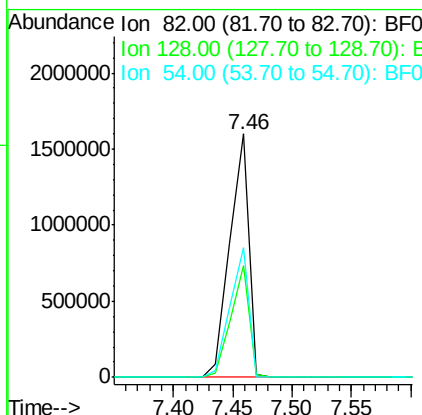
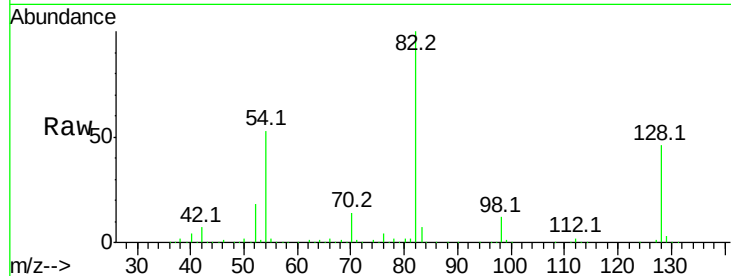


#23  
 Nitrobenzene-d5  
 Concen: 88.73 ng  
 RT: 7.46 min Scan# 470  
 Delta R.T. -0.00 min  
 Lab File: BF086256.D  
 Acq: 16 Apr 2016 10:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELD-BLABK-4-8-16

Tot Ion: 82 Resp: 1773457  

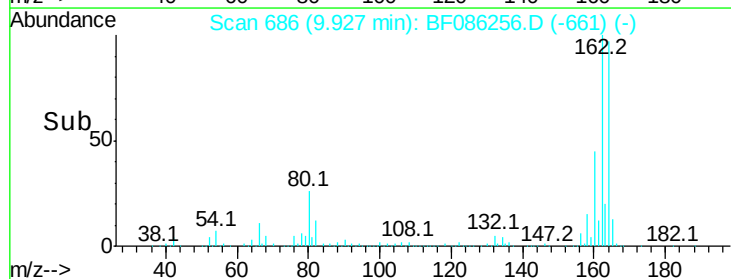
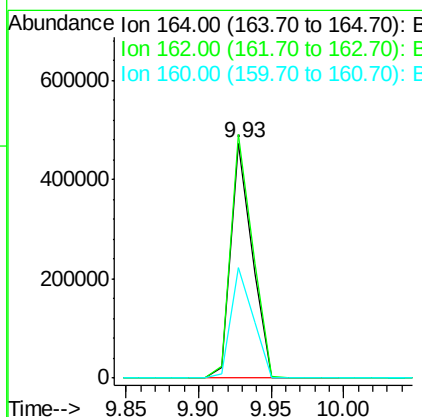
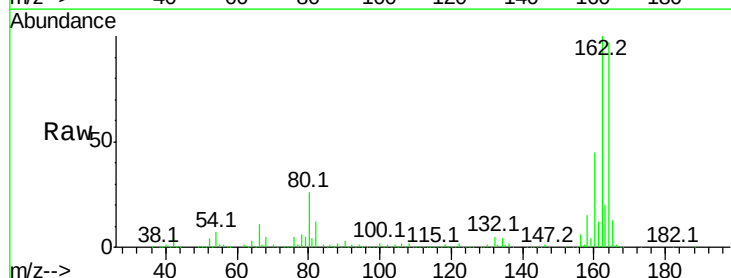
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.6  | 35.4  | 53.2  |
| 54  | 53.2  | 43.4  | 65.0  |

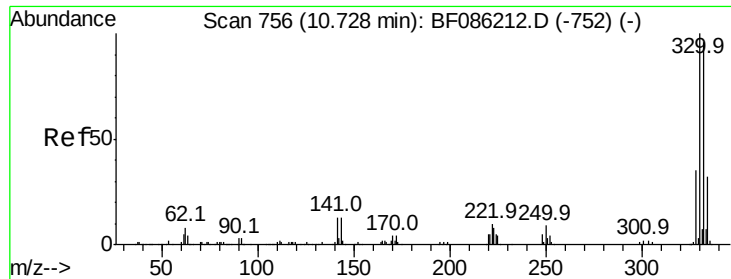


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 686  
 Delta R.T. -0.01 min  
 Lab File: BF086256.D  
 Acq: 16 Apr 2016 10:43

Tgt Ion: 164 Resp: 485862  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.5 | 82.8  | 124.2 |
| 160 | 46.8  | 38.9  | 58.3  |

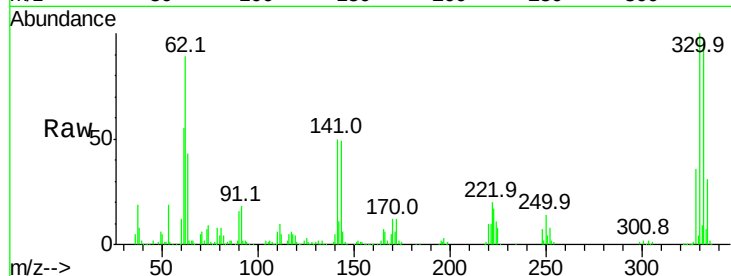




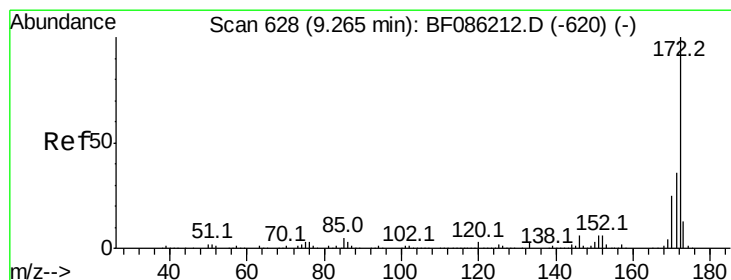
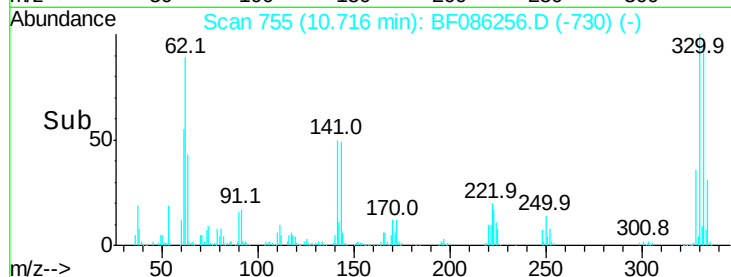
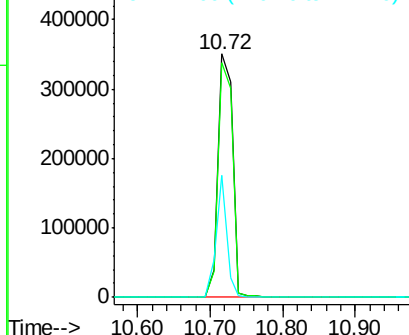
#41  
 2,4,6-Tribromophenol  
 Concen: 126.40 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.01 min  
 Lab File: BF086256.D  
 Acq: 16 Apr 2016 10:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELD-BLABK-4-8-16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 78.7  | 118.1 |
| 141     | 37.0  | 28.6  | 42.8  |

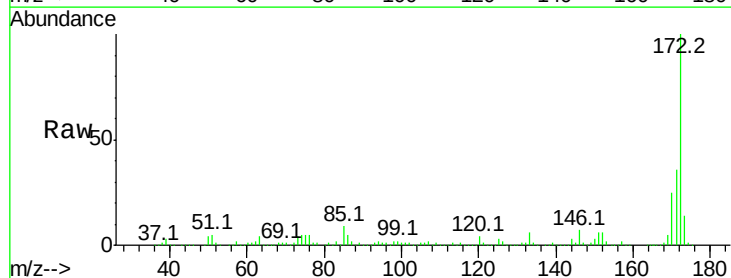


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

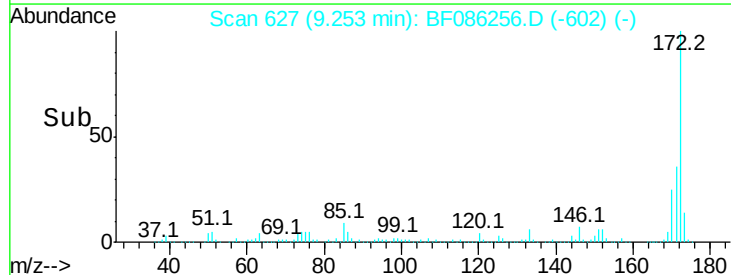
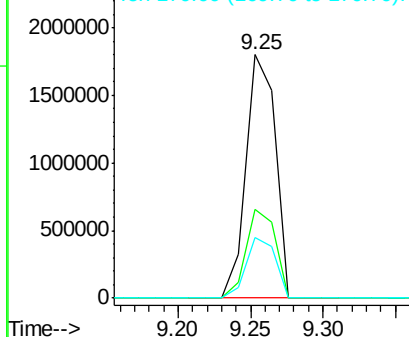


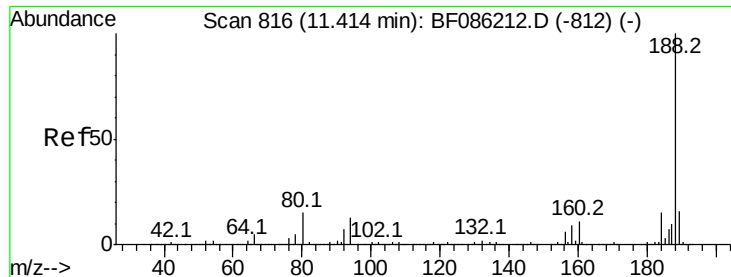
#44  
 2-Fluorobiphenyl  
 Concen: 95.97 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF086256.D  
 Acq: 16 Apr 2016 10:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.1  | 43.7  |
| 170     | 24.8  | 19.9  | 29.9  |



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

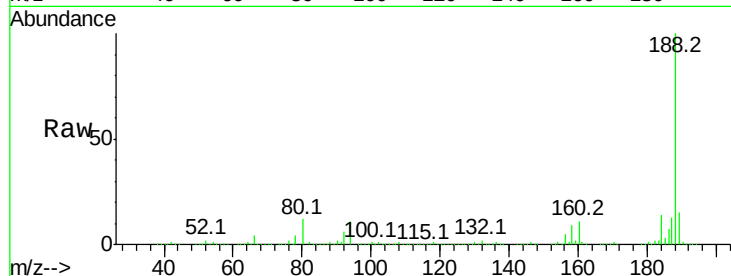




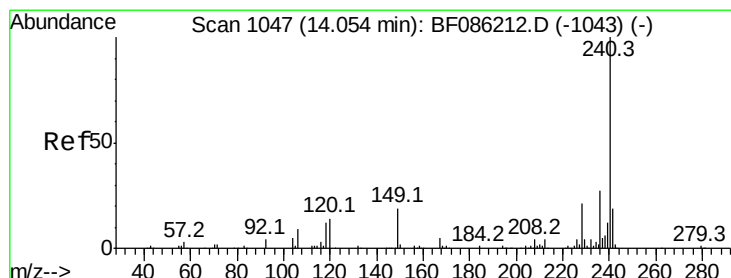
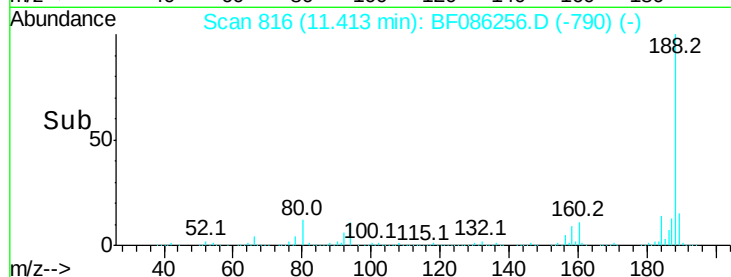
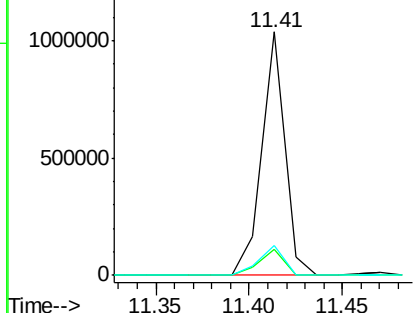
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BF086256.D  
Acq: 16 Apr 2016 10:43

Instrument :  
BNA\_F  
ClientSampleId :  
FIELD-BLABK-4-8-16

Tot Ion:188 Resp: 880527  
Ion Ratio Lower Upper  
188 100  
94 10.9 9.8 14.8  
80 12.0 10.5 15.7

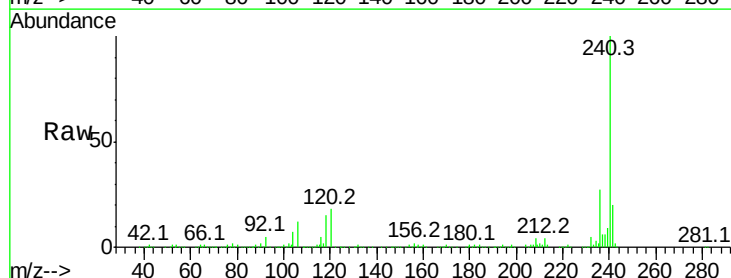


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

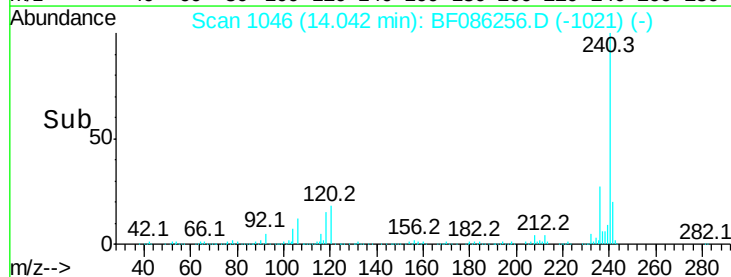
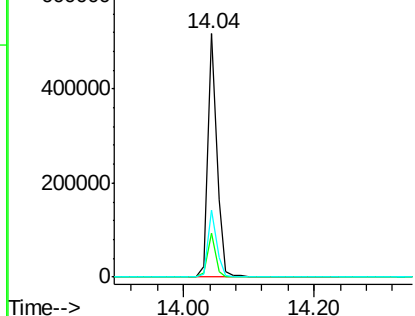


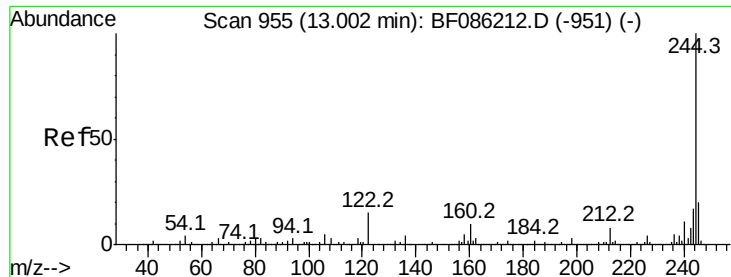
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.04 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF086256.D  
Acq: 16 Apr 2016 10:43

Tgt Ion:240 Resp: 501386  
Ion Ratio Lower Upper  
240 100  
120 18.3 9.3 13.9#  
236 27.4 21.1 31.7



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

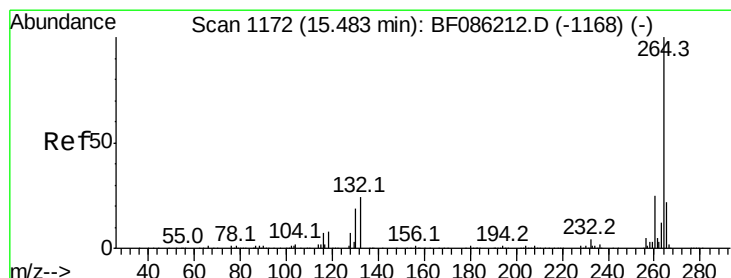
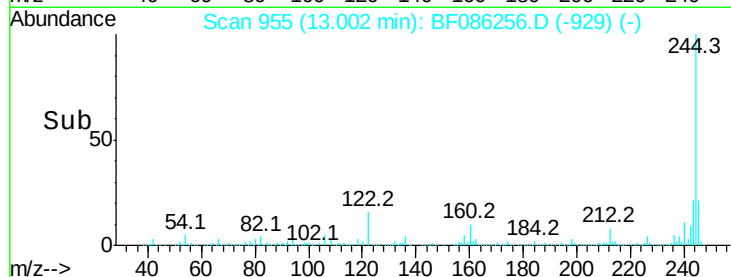
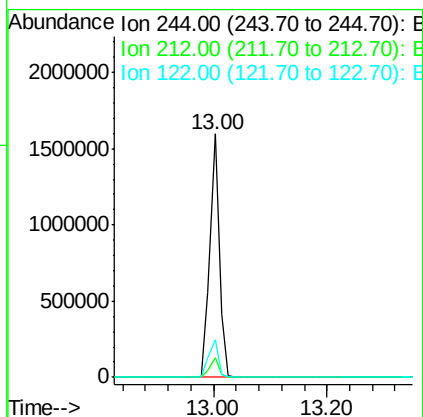
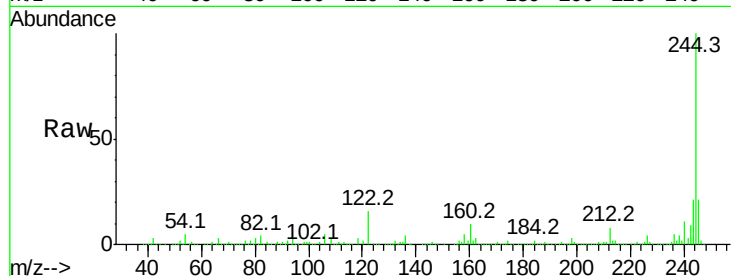




#78  
 Terphenyl-d14  
 Concen: 89.76 ng  
 RT: 13.00 min Scan# 955  
 Delta R.T. 0.00 min  
 Lab File: BF086256.D  
 Acq: 16 Apr 2016 10:43

Instrument :  
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Tot Ion:244 Resp: 1789661  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.4 9.6  
 122 15.6 11.7 17.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.48 min Scan# 1172  
 Delta R.T. -0.00 min  
 Lab File: BF086256.D  
 Acq: 16 Apr 2016 10:43

Tgt Ion:264 Resp: 442665  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 20.0 30.0  
 265 21.9 17.4 26.0

