

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070816\  
 Data File : BF088844.D  
 Acq On : 9 Jul 2016 00:47  
 Operator : UM/SJ  
 Sample : H3813-14MS 50X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 09 02:07:01 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 18:51:20 2016  
 Response via : Initial Calibration

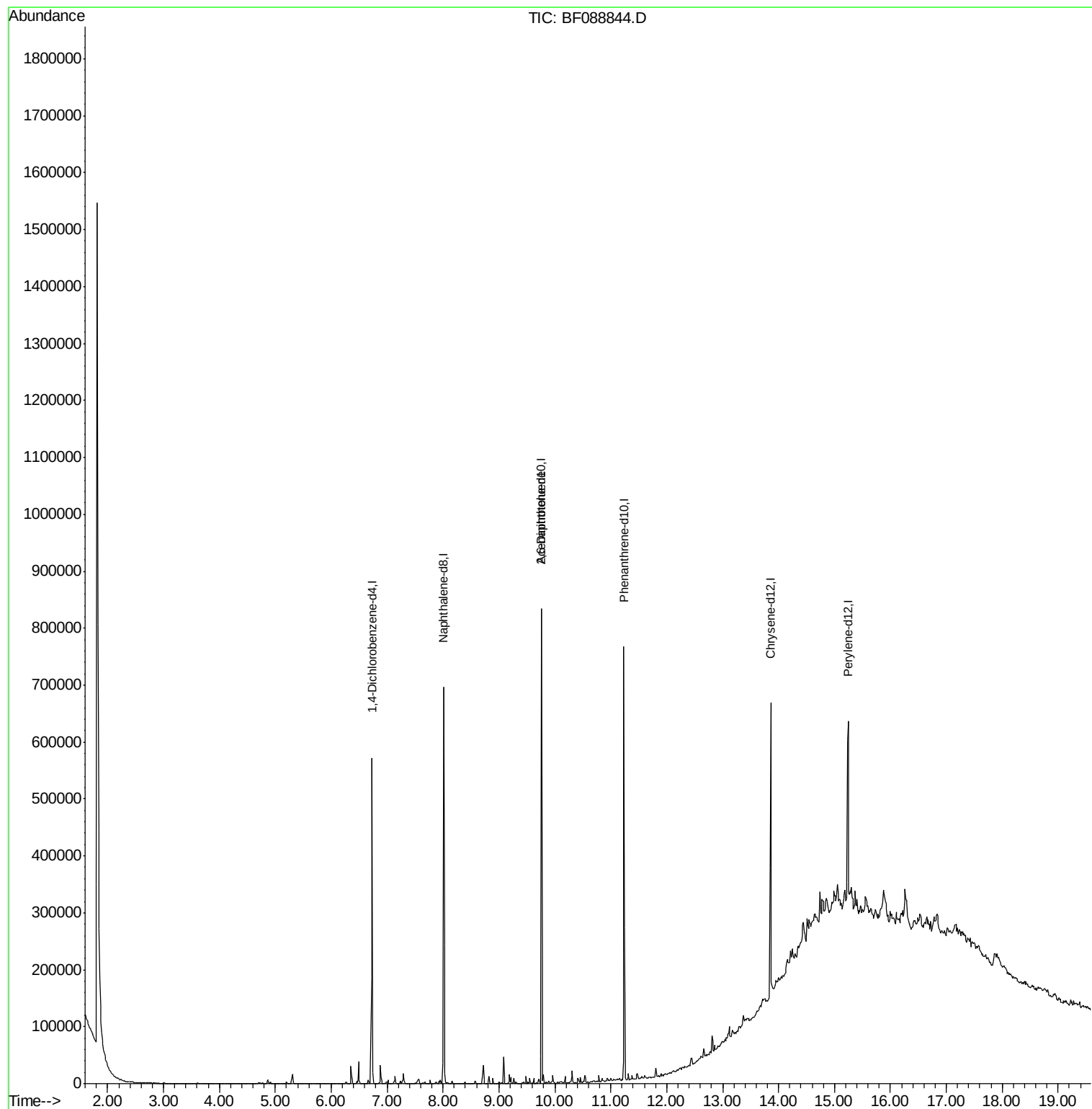
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 89436    | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.01  | 136  | 334121   | 20.00 | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.76  | 164  | 155566   | 20.00 | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.23 | 188  | 285274   | 20.00 | ng    | -0.01          |
| 75) Chrysene-d12            | 13.86 | 240  | 177214   | 20.00 | ng    | -0.01          |
| 86) Perylene-d12            | 15.25 | 264  | 176570   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.31  | 112  | 8822     | 1.48  | ng    | -0.01          |
| 7) Phenol-d6                | 6.35  | 99   | 13064    | 1.69  | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 7345     | 1.15  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 2465     | 1.71  | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 15748    | 1.60  | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.81 | 244  | 11296    | 1.42  | ng    | -0.01          |
| Target Compounds            |       |      |          |       |       |                |
| 50) 2,6-Dinitrotoluene      | 9.76  | 165  | 20017    | 8.15  | ng    | Qvalue<br># 39 |

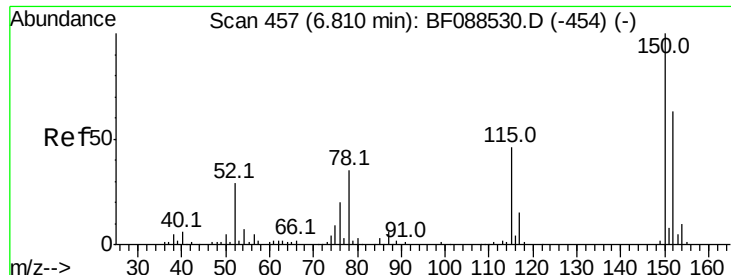
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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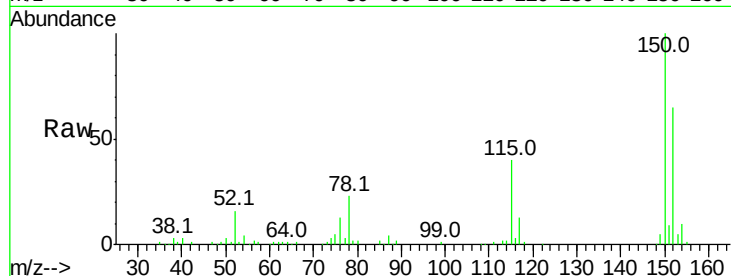


#1

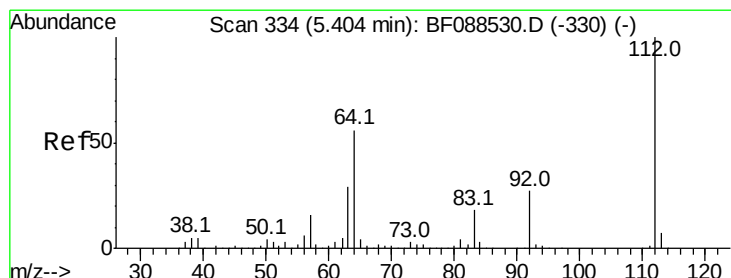
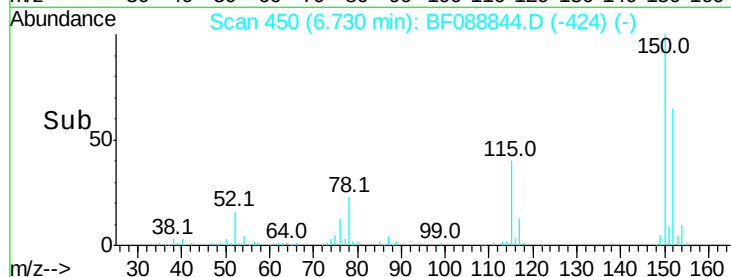
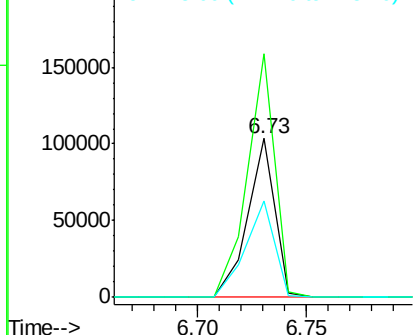
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.73 min Scan# 450  
Delta R.T. -0.00 min  
Lab File: BF088844.D  
Acq: 9 Jul 2016 00:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 89436  
Ion Ratio Lower Upper  
152 100  
150 153.4 123.8 185.6  
115 60.6 39.6 59.4#



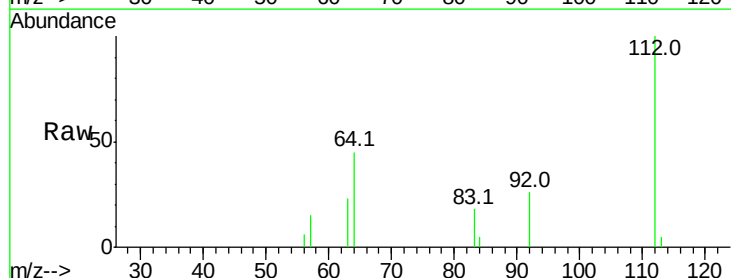
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



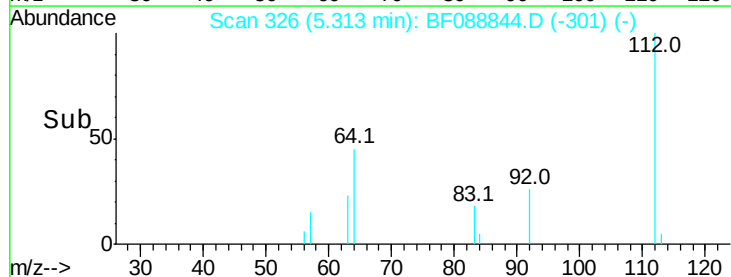
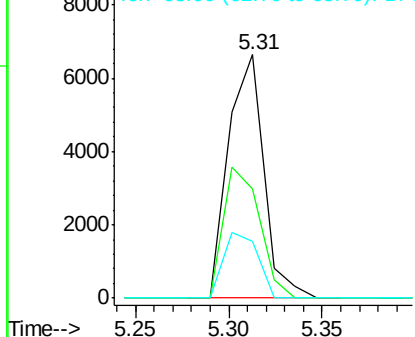
#5

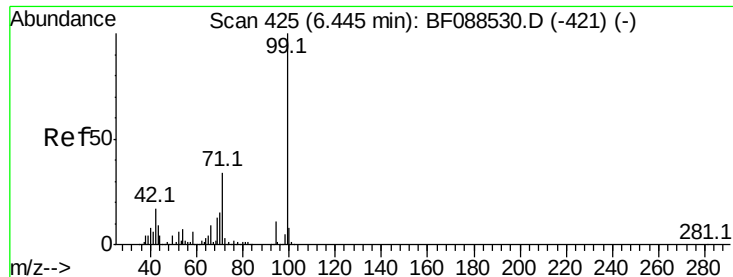
2-Fluorophenol  
Concen: 1.48 ng  
RT: 5.31 min Scan# 326  
Delta R.T. -0.01 min  
Lab File: BF088844.D  
Acq: 9 Jul 2016 00:47

Tgt Ion:112 Resp: 8822  
Ion Ratio Lower Upper  
112 100  
64 45.1 42.2 63.2  
63 23.0 21.8 32.8



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: 1.69 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF088844.D

Acq: 9 Jul 2016 00:47

Instrument :

BNA\_F

ClientSampleId :

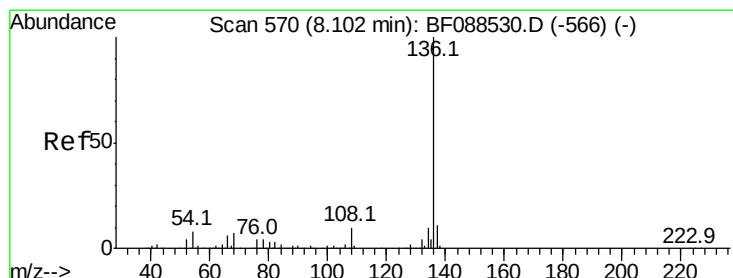
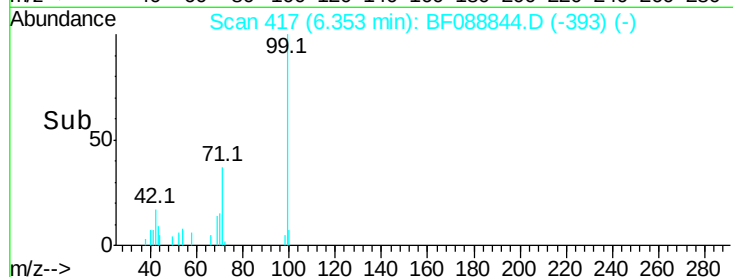
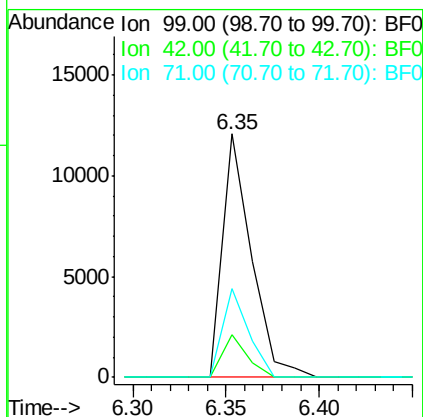
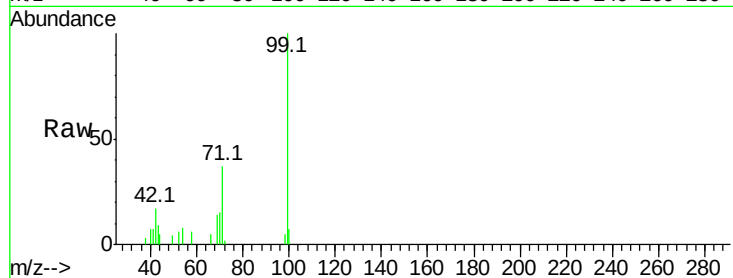
Tot Ion: 99 Resp: 13064

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

71 36.6 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088844.D

Acq: 9 Jul 2016 00:47

Tgt Ion: 136 Resp: 334121

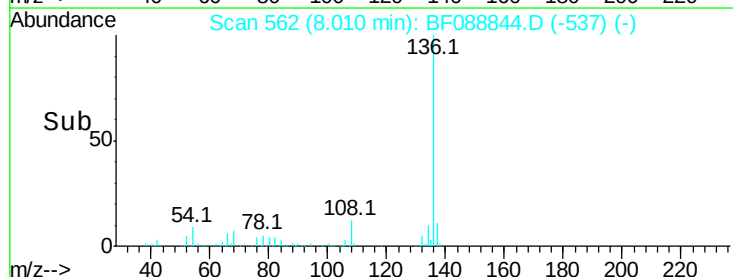
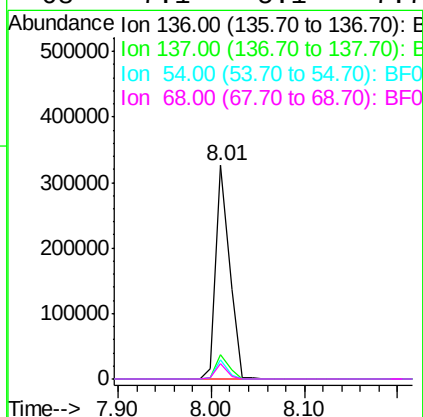
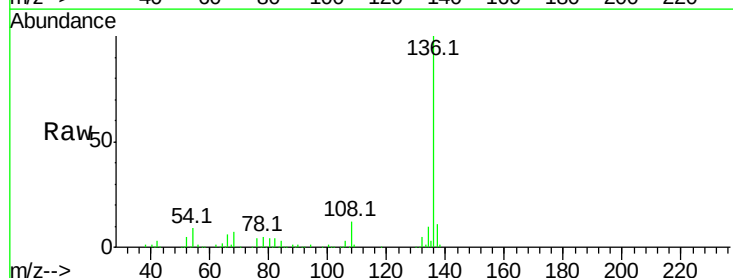
Ion Ratio Lower Upper

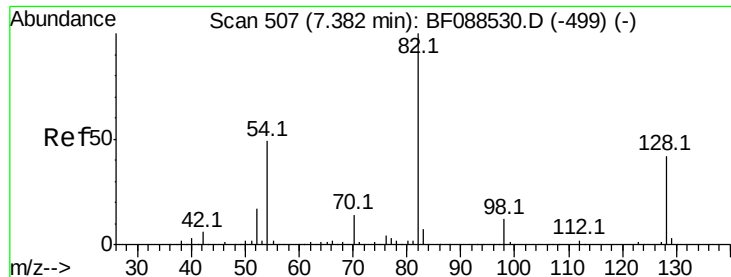
136 100

137 11.2 9.1 13.7

54 9.0 6.6 10.0

68 7.1 5.1 7.7

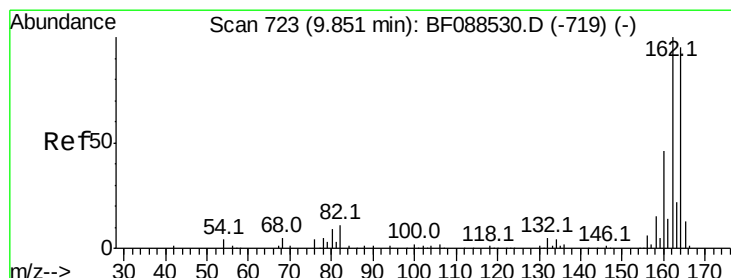
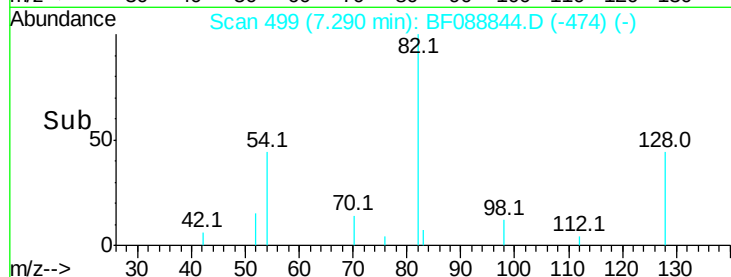
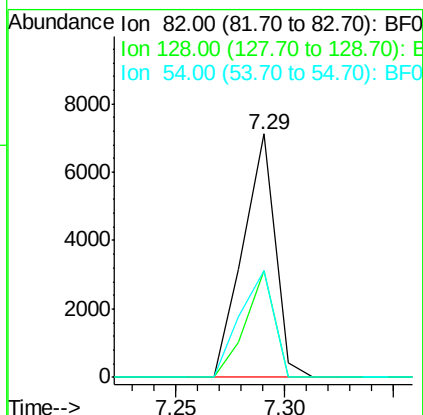
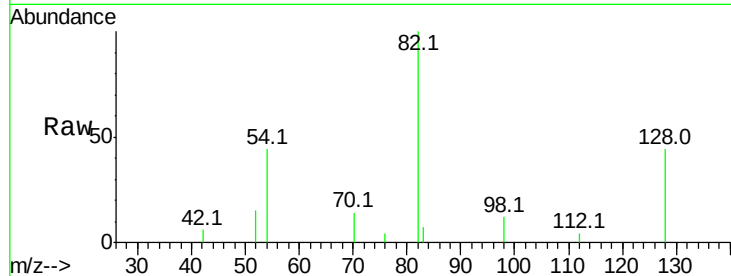




#23  
 Nitrobenzene-d5  
 Concen: 1.15 ng  
 RT: 7.29 min Scan# 499  
 Delta R.T. -0.01 min  
 Lab File: BF088844.D  
 Acq: 9 Jul 2016 00:47

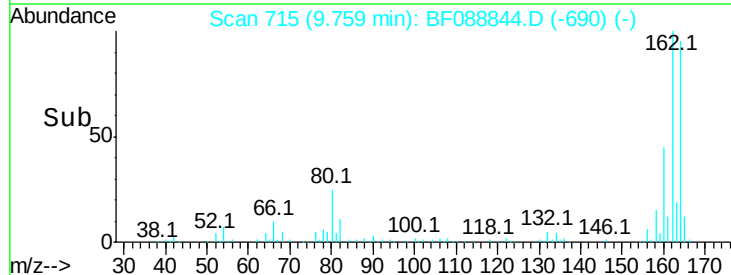
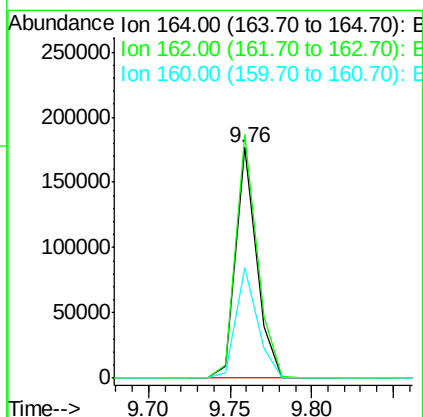
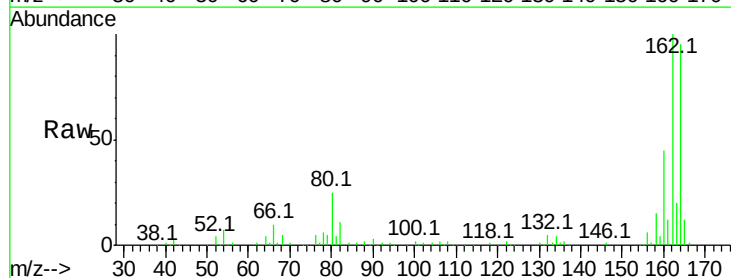
Instrument :  
 BNA\_F  
 ClientSampleId :

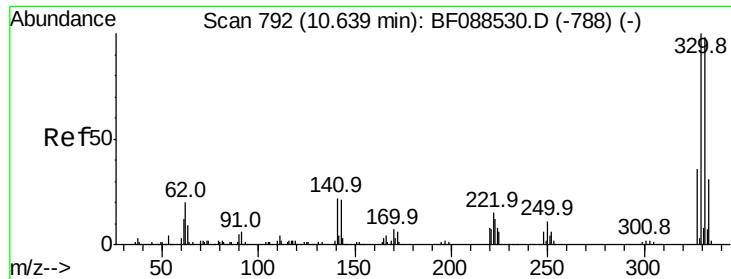
Tot Ion: 82 Resp: 7345  
 Ion Ratio Lower Upper  
 82 100  
 128 43.7 35.9 53.9  
 54 43.8 40.9 61.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.76 min Scan# 715  
 Delta R.T. -0.01 min  
 Lab File: BF088844.D  
 Acq: 9 Jul 2016 00:47

Tgt Ion:164 Resp: 155566  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 85.4 128.2  
 160 47.7 39.5 59.3

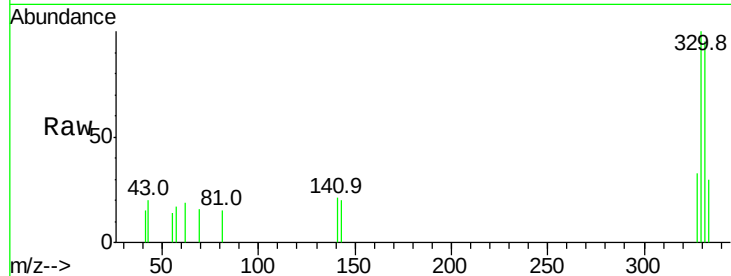




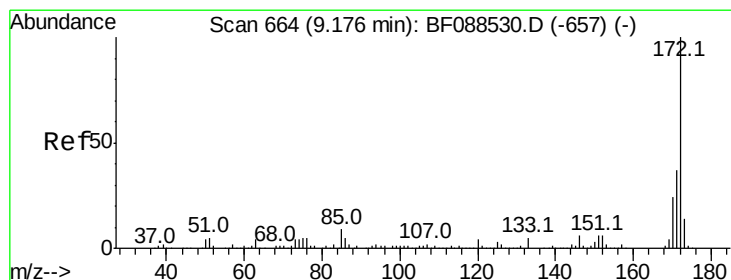
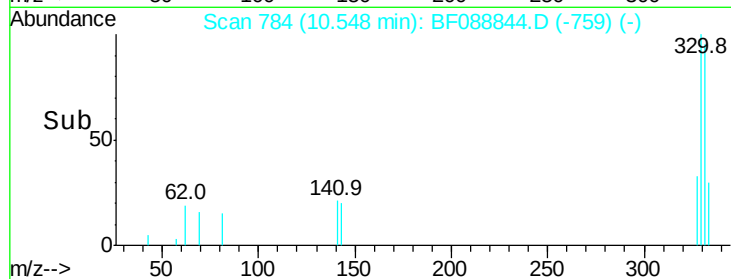
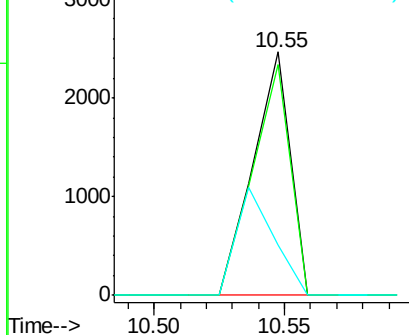
#41  
 2,4,6-Tribromophenol  
 Concen: 1.71 ng  
 RT: 10.55 min Scan# 784  
 Delta R.T. -0.01 min  
 Lab File: BF088844.D  
 Acq: 9 Jul 2016 00:47

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 2465  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 0.0 0.0#  
 141 44.8 0.0 0.0#

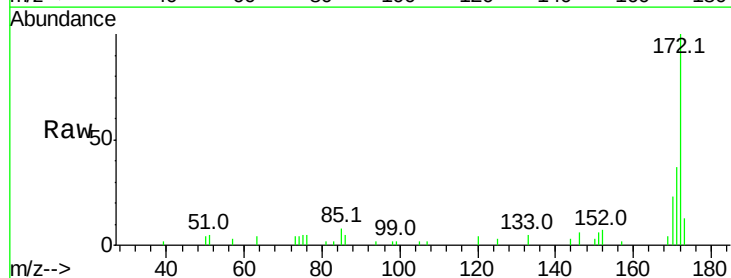


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

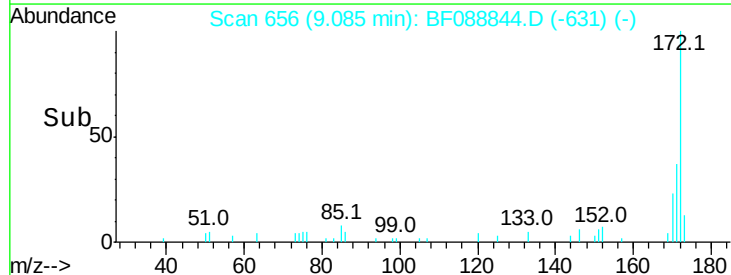
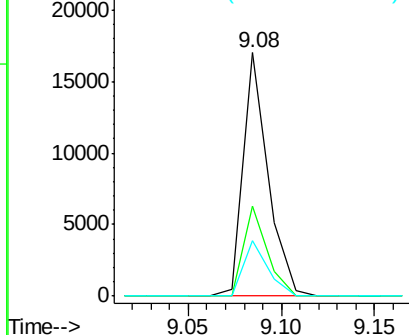


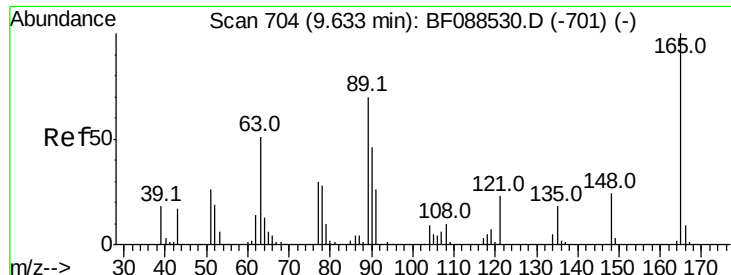
#44  
 2-Fluorobiphenyl  
 Concen: 1.60 ng  
 RT: 9.08 min Scan# 656  
 Delta R.T. -0.01 min  
 Lab File: BF088844.D  
 Acq: 9 Jul 2016 00:47

Tgt Ion:172 Resp: 15748  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 28.6 43.0  
 170 22.8 19.2 28.8



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

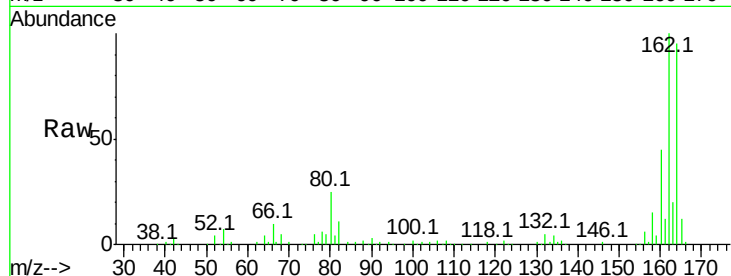




#50  
 2,6-Dinitrotoluene  
 Concen: 8.15 ng  
 RT: 9.76 min Scan# 715  
 Delta R.T. 0.19 min  
 Lab File: BF088844.D  
 Acq: 9 Jul 2016 00:47

Instrument :  
 BNA\_F  
 ClientSampleId :

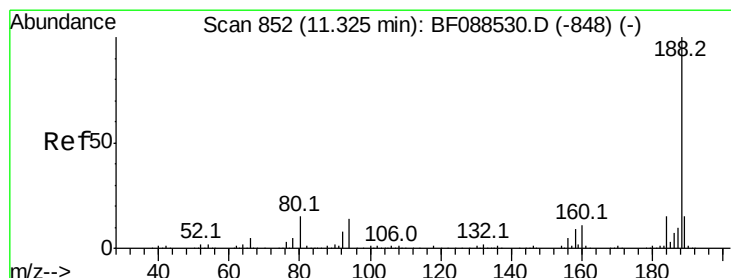
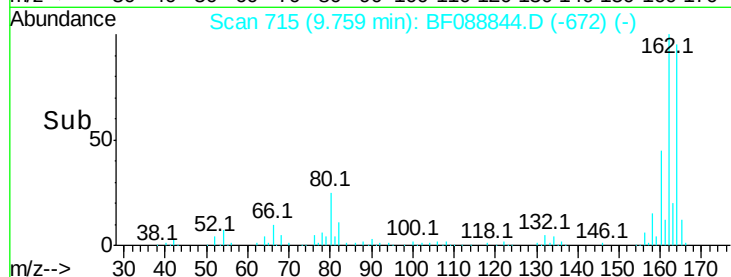
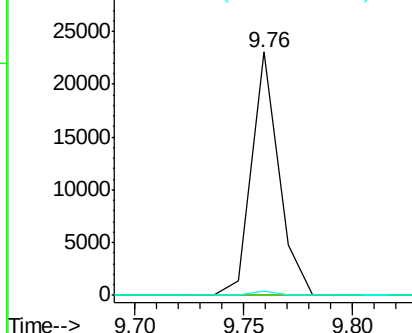
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 28.1  | 42.1# |
| 89      | 1.7   | 32.2  | 48.2# |



Abundance Ion 165.00 (164.70 to 165.70): E

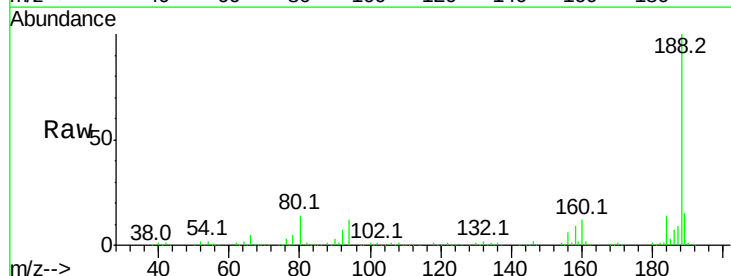
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.23 min Scan# 844  
 Delta R.T. -0.01 min  
 Lab File: BF088844.D  
 Acq: 9 Jul 2016 00:47

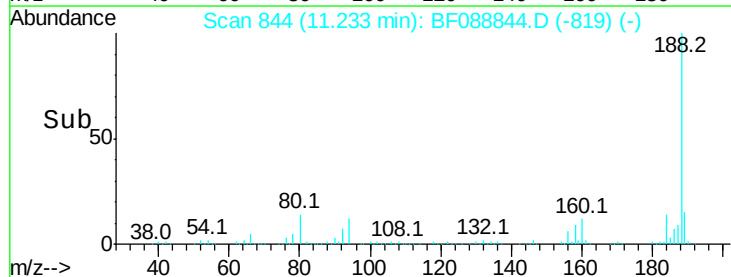
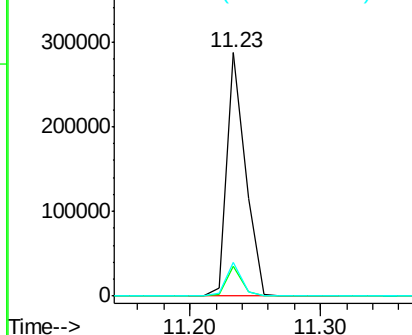
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.3  | 9.0   | 13.6  |
| 80      | 14.0  | 10.0  | 15.0  |

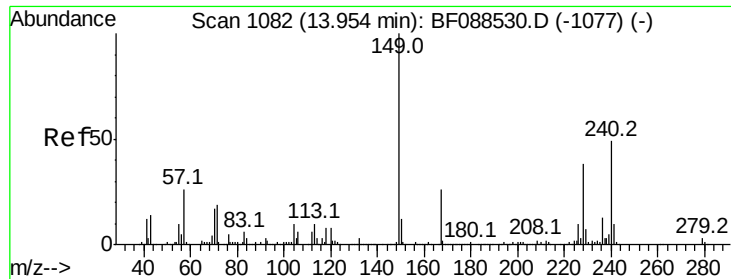


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088844.D

Acq: 9 Jul 2016 00:47

Instrument :

BNA\_F

ClientSampled :

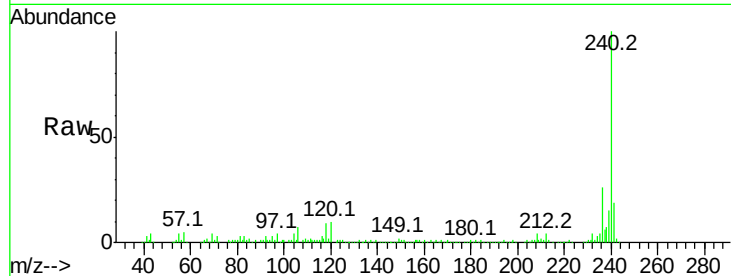
Tot Ion:240 Resp: 177214

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

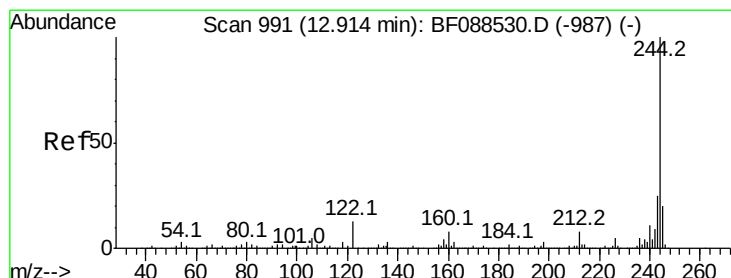
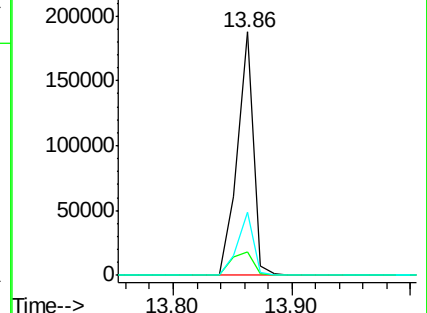
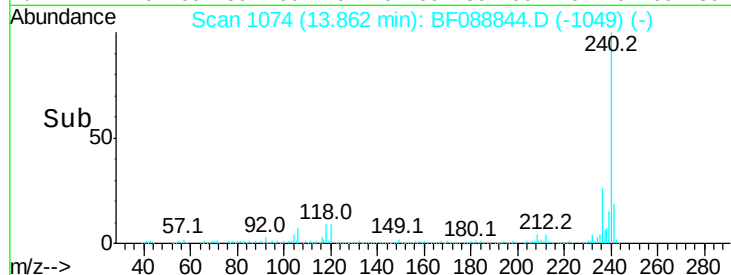
236 26.0 20.2 30.2



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: 1.42 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF088844.D

Acq: 9 Jul 2016 00:47

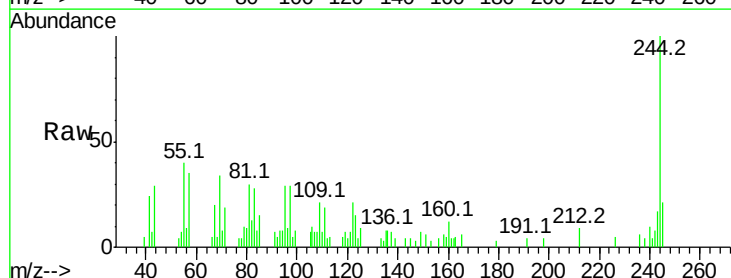
Tgt Ion:244 Resp: 11296

Ion Ratio Lower Upper

244 100

212 9.3 6.0 9.0#

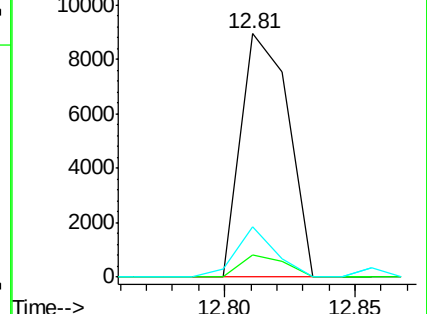
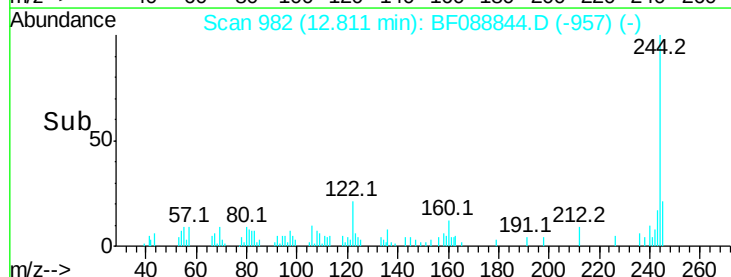
122 20.7 11.2 16.8#



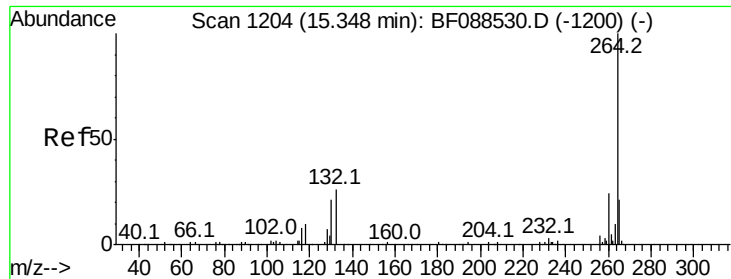
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



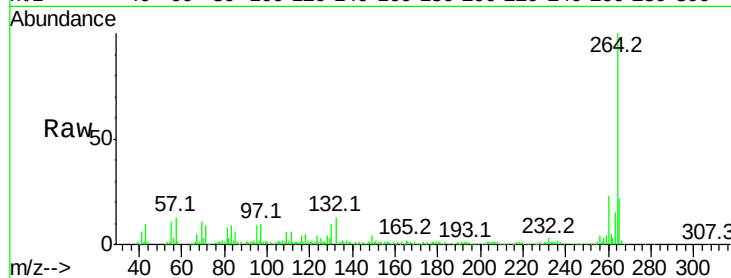




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.25 min Scan# 1195  
Delta R.T. -0.00 min  
Lab File: BF088844.D  
Acq: 9 Jul 2016 00:47

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 21.7  | 16.9  | 25.3  |



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

