

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\  
 Data File : BF090513.D  
 Acq On : 11 Oct 2016 20:24  
 Operator : UM/SJ  
 Sample : H5146-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-0617

Quant Time: Oct 12 00:58:29 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 11 16:14:43 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 202858   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.23  | 136  | 831774   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.99  | 164  | 461466   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.48 | 188  | 770369   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.12 | 240  | 690520   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.60 | 264  | 556803   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 718480   | 55.10  | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 599828   | 36.45  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 1317606  | 85.92  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 451239   | 98.64  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 2443913  | 89.00  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 2946981  | 104.30 | ng    | 0.00     |

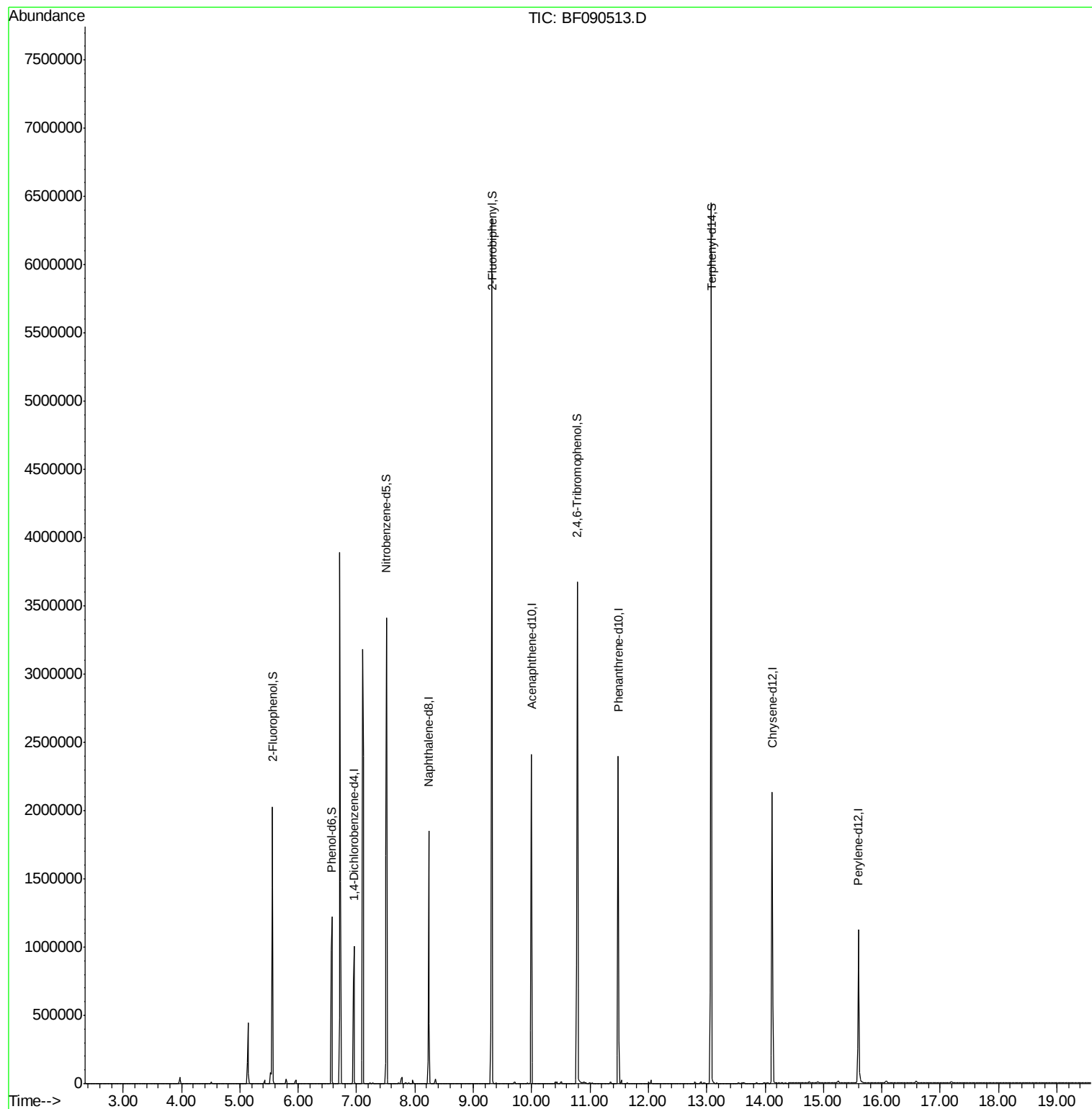
Target Compounds Qvalue

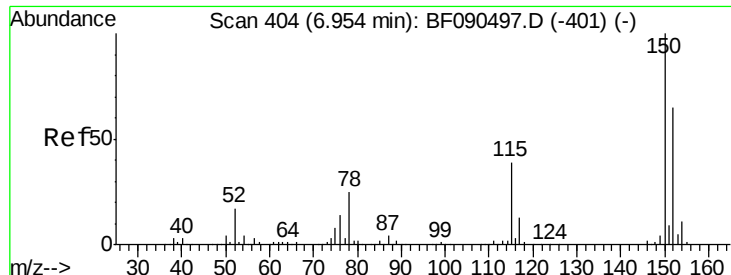
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF090513.D

Acq: 11 Oct 2016 20:24

Instrument :

BNA\_F

ClientSampleId :

S8-0617

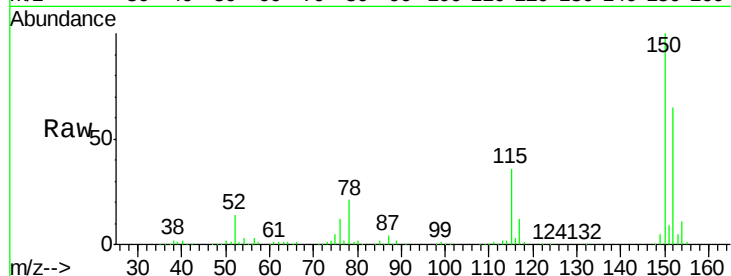
Tot Ion:152 Resp: 202858

Ion Ratio Lower Upper

152 100

150 154.2 124.6 186.8

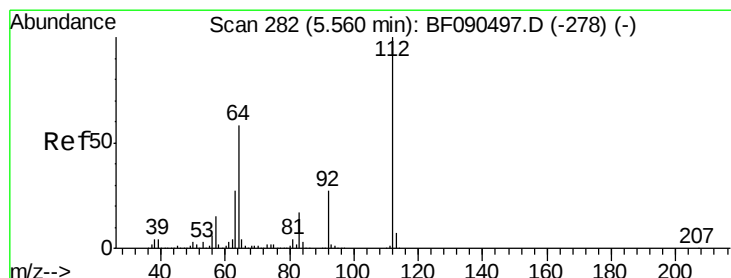
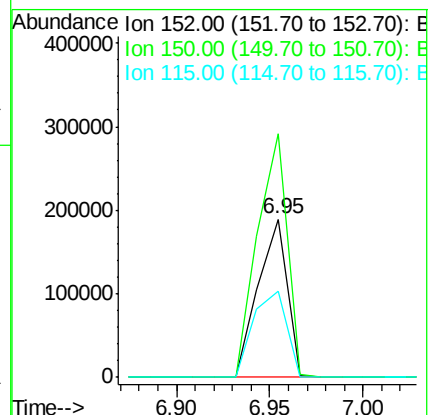
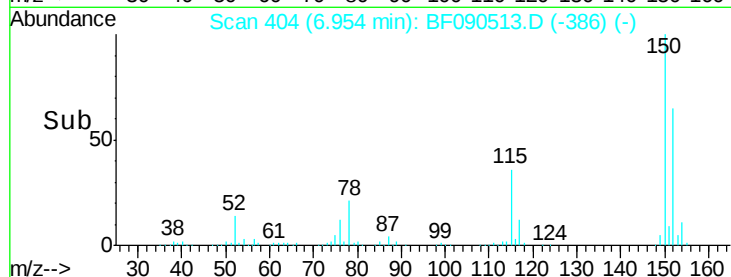
115 54.8 46.2 69.4



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: 55.10 ng

RT: 5.56 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF090513.D

Acq: 11 Oct 2016 20:24

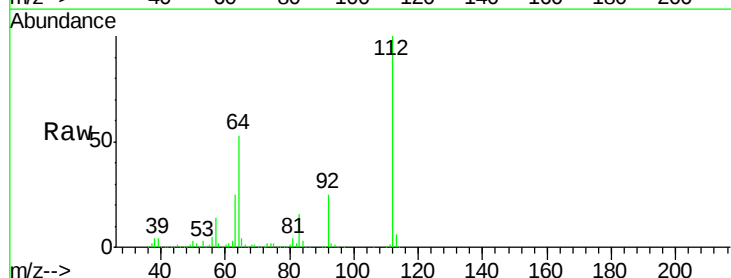
Tgt Ion:112 Resp: 718480

Ion Ratio Lower Upper

112 100

64 53.0 57.9 86.9#

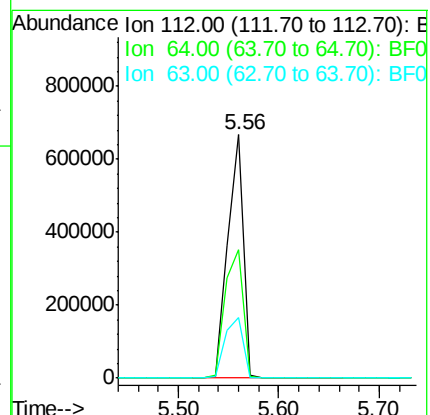
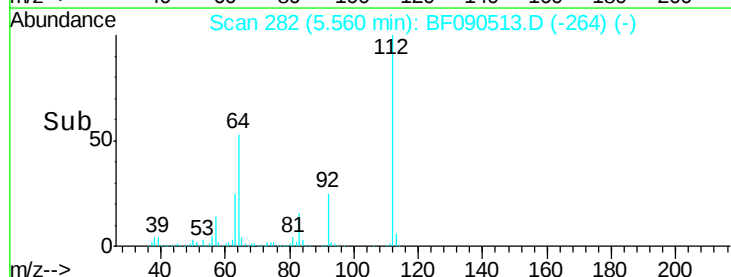
63 25.0 29.6 44.4#

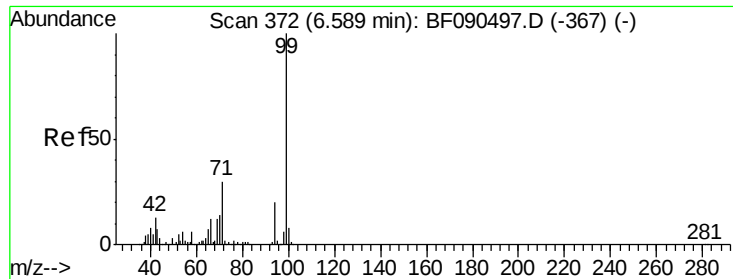


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.45 ng

RT: 6.58 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF090513.D

Acq: 11 Oct 2016 20:24

Instrument :

BNA\_F

ClientSampleId :

S8-0617

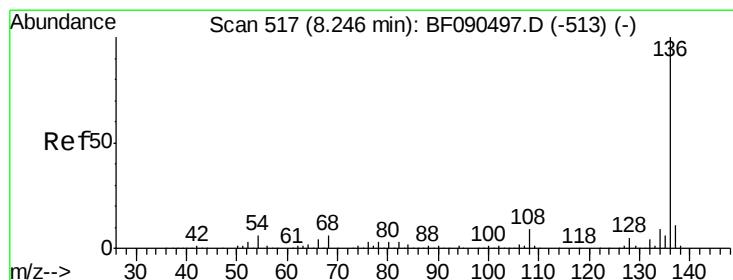
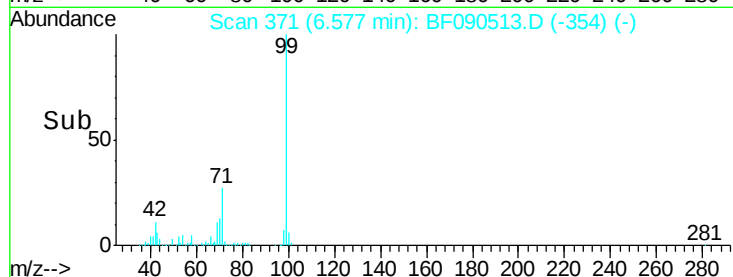
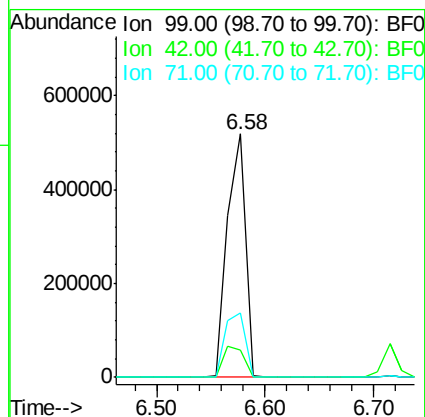
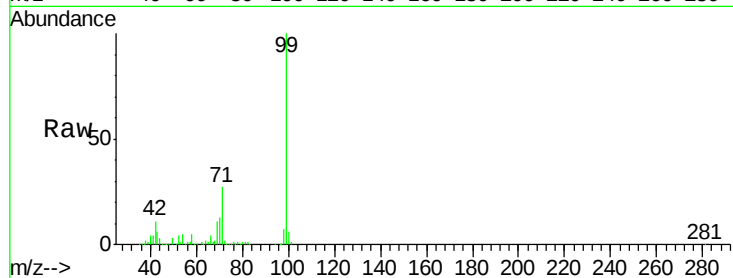
Tot Ion: 99 Resp: 599828

Ion Ratio Lower Upper

99 100

42 11.1 20.0 30.0#

71 26.6 27.9 41.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF090513.D

Acq: 11 Oct 2016 20:24

Tgt Ion: 136 Resp: 831774

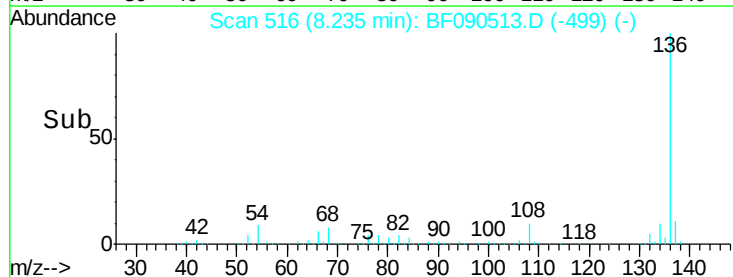
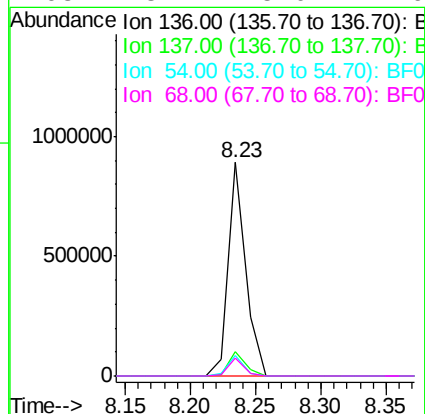
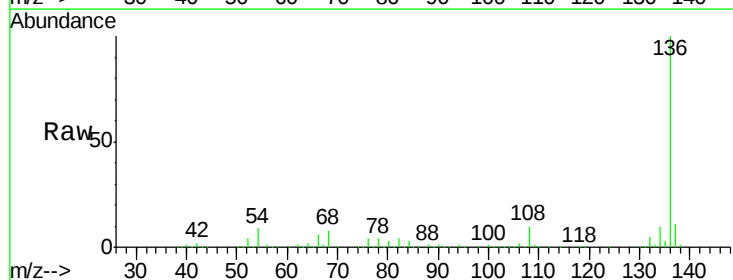
Ion Ratio Lower Upper

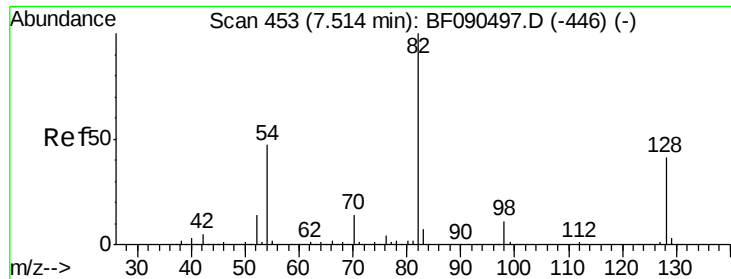
136 100

137 11.3 9.0 13.6

54 9.4 6.6 10.0

68 8.4 5.0 7.6#

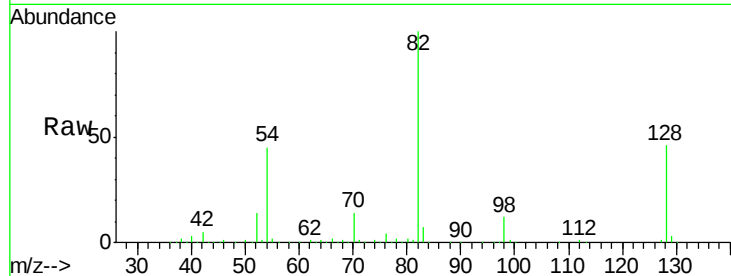




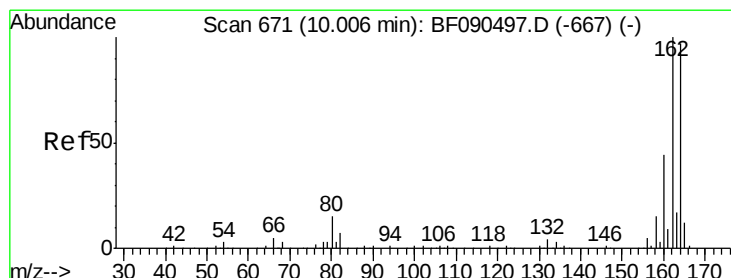
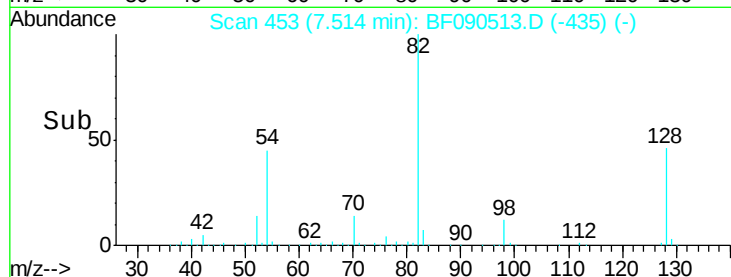
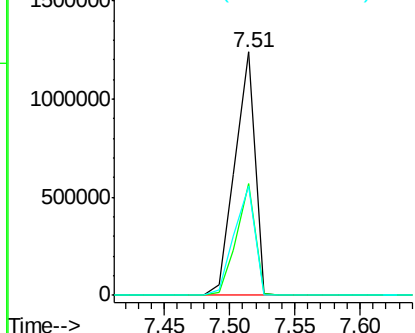
#23  
 Nitrobenzene-d5  
 Concen: 85.92 ng  
 RT: 7.51 min Scan# 453  
 Delta R.T. 0.00 min  
 Lab File: BF090513.D  
 Acq: 11 Oct 2016 20:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-0617

Tot Ion: 82 Resp: 1317606  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 40.0 60.0  
 54 44.7 42.6 64.0

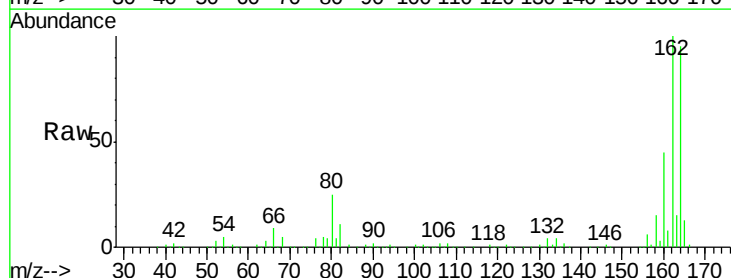


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

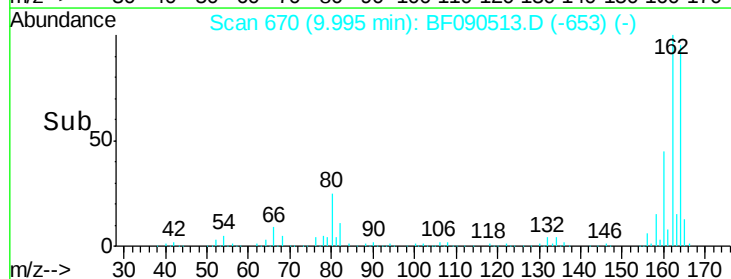
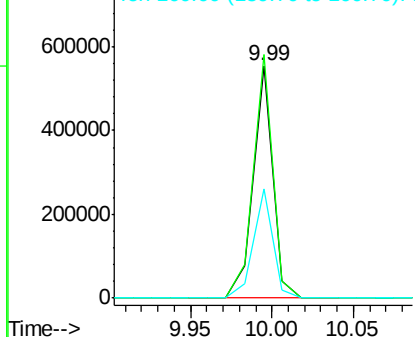


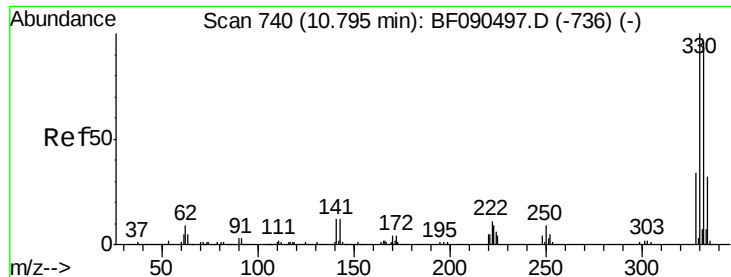
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.99 min Scan# 670  
 Delta R.T. -0.01 min  
 Lab File: BF090513.D  
 Acq: 11 Oct 2016 20:24

Tgt Ion:164 Resp: 461466  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 80.1 120.1  
 160 47.1 36.3 54.5



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

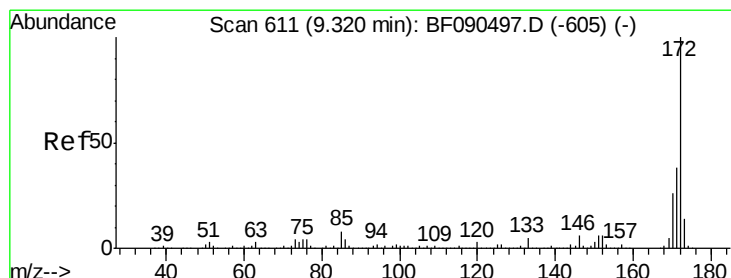
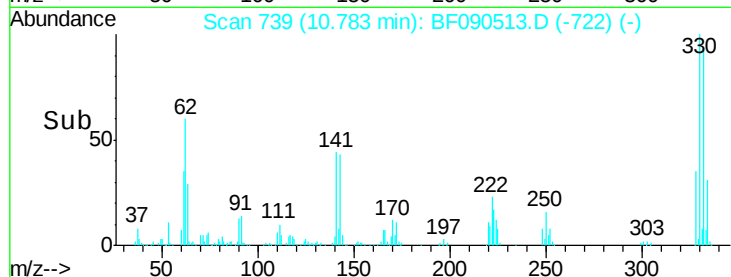
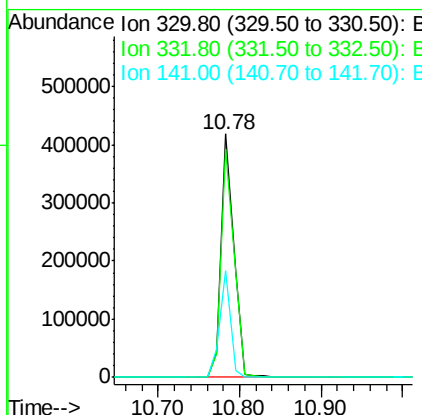
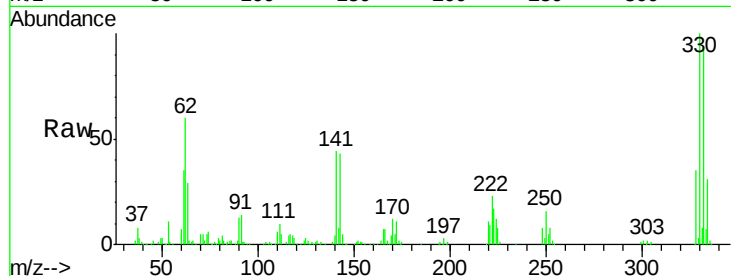




#41  
 2,4,6-Tribromophenol  
 Concen: 98.64 ng  
 RT: 10.78 min Scan# 739  
 Delta R.T. -0.01 min  
 Lab File: BF090513.D  
 Acq: 11 Oct 2016 20:24

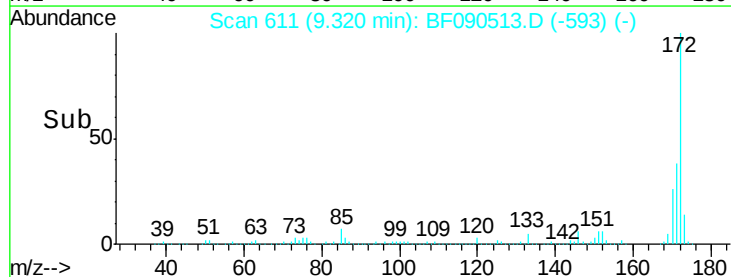
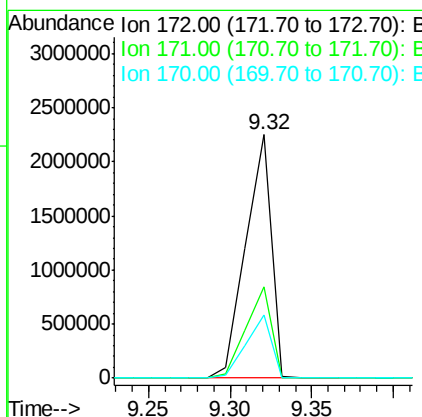
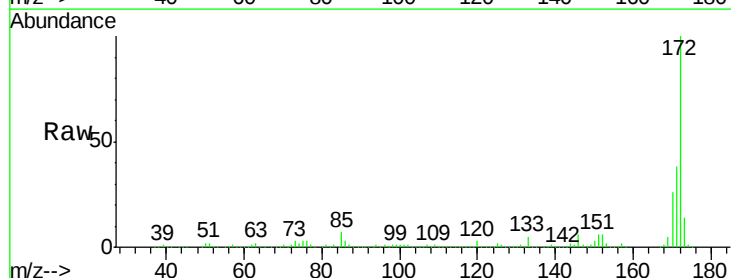
Instrument :  
 BNA\_F  
 ClientSampled :  
 S8-0617

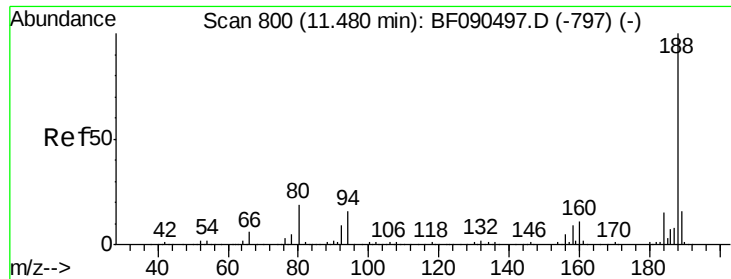
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 75.4  | 113.0 |
| 141     | 38.3  | 26.9  | 40.3  |



#44  
 2-Fluorobiphenyl  
 Concen: 89.00 ng  
 RT: 9.32 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: BF090513.D  
 Acq: 11 Oct 2016 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 31.8  | 47.8  |
| 170     | 25.7  | 21.7  | 32.5  |

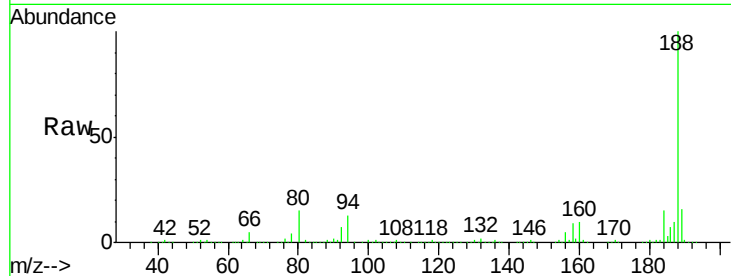




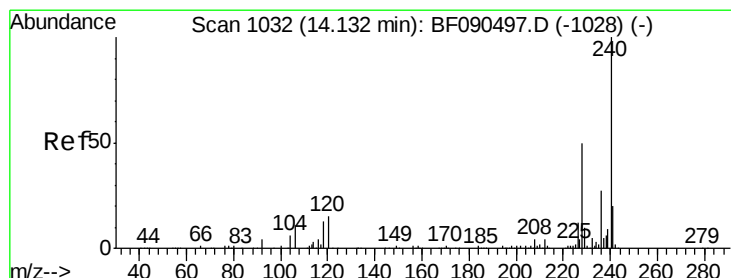
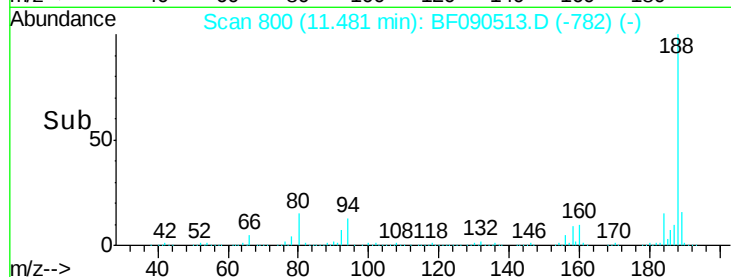
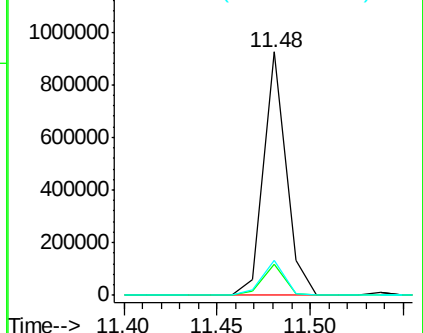
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.48 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BF090513.D  
Acq: 11 Oct 2016 20:24

Instrument :  
BNA\_F  
ClientSampleId :  
S8-0617

Tot Ion:188 Resp: 770369  
Ion Ratio Lower Upper  
188 100  
94 12.9 8.2 12.2#  
80 14.5 8.8 13.2#

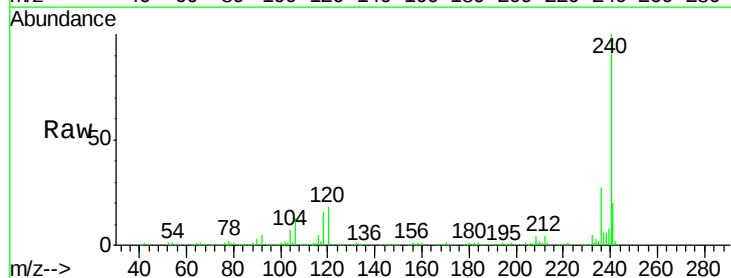


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

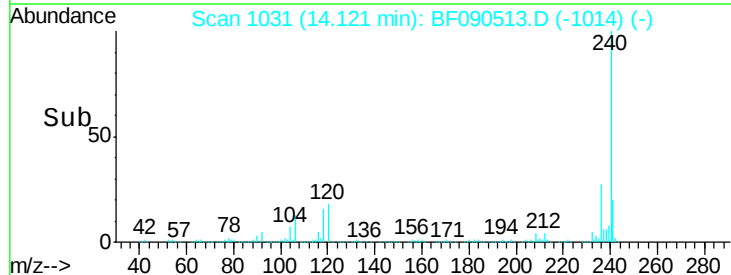
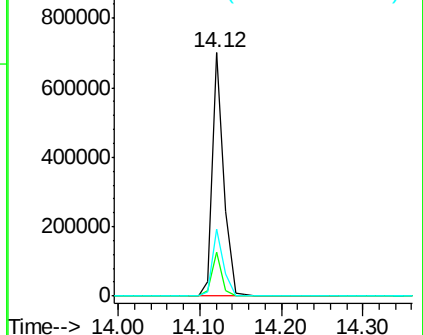


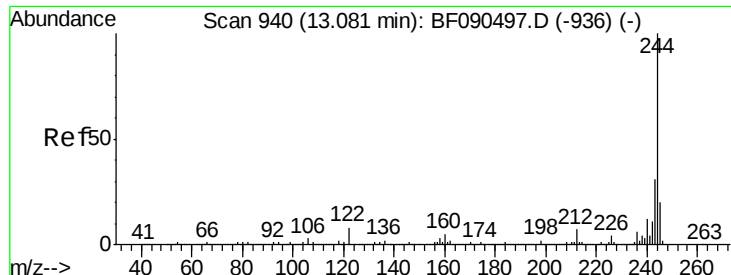
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.12 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF090513.D  
Acq: 11 Oct 2016 20:24

Tgt Ion:240 Resp: 690520  
Ion Ratio Lower Upper  
240 100  
120 18.0 8.6 13.0#  
236 27.4 21.6 32.4



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

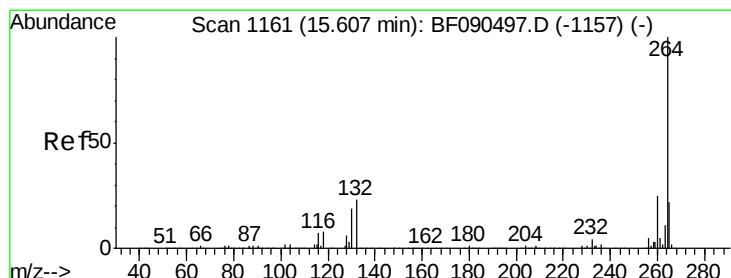
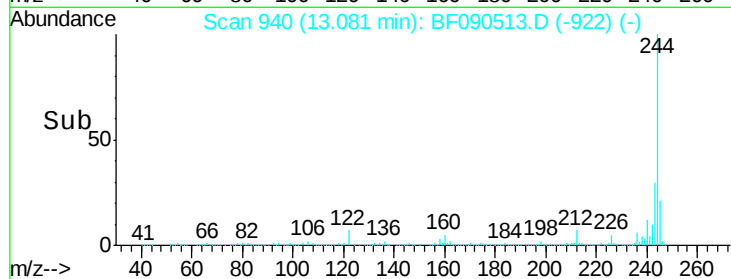
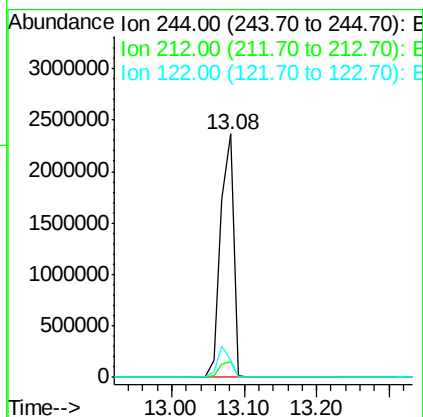
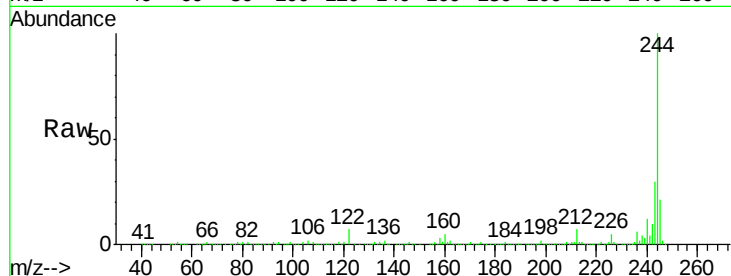




#78  
 Terphenyl-d14  
 Concen: 104.30 ng  
 RT: 13.08 min Scan# 940  
 Delta R.T. 0.00 min  
 Lab File: BF090513.D  
 Acq: 11 Oct 2016 20:24

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Tot Ion:244 Resp: 2946981  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.8 10.2#  
 122 7.1 13.3 19.9#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.60 min Scan# 1160  
 Delta R.T. -0.01 min  
 Lab File: BF090513.D  
 Acq: 11 Oct 2016 20:24

Tgt Ion:264 Resp: 556803  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 19.3 28.9  
 265 21.9 17.4 26.0

