

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073016\  
 Data File : BF089425.D  
 Acq On : 29 Jul 2016 23:10  
 Operator : UM/SJ  
 Sample : H4221-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49-7.0-8.0

Quant Time: Jul 30 01:08:36 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 30 01:00:15 2016  
 Response via : Initial Calibration

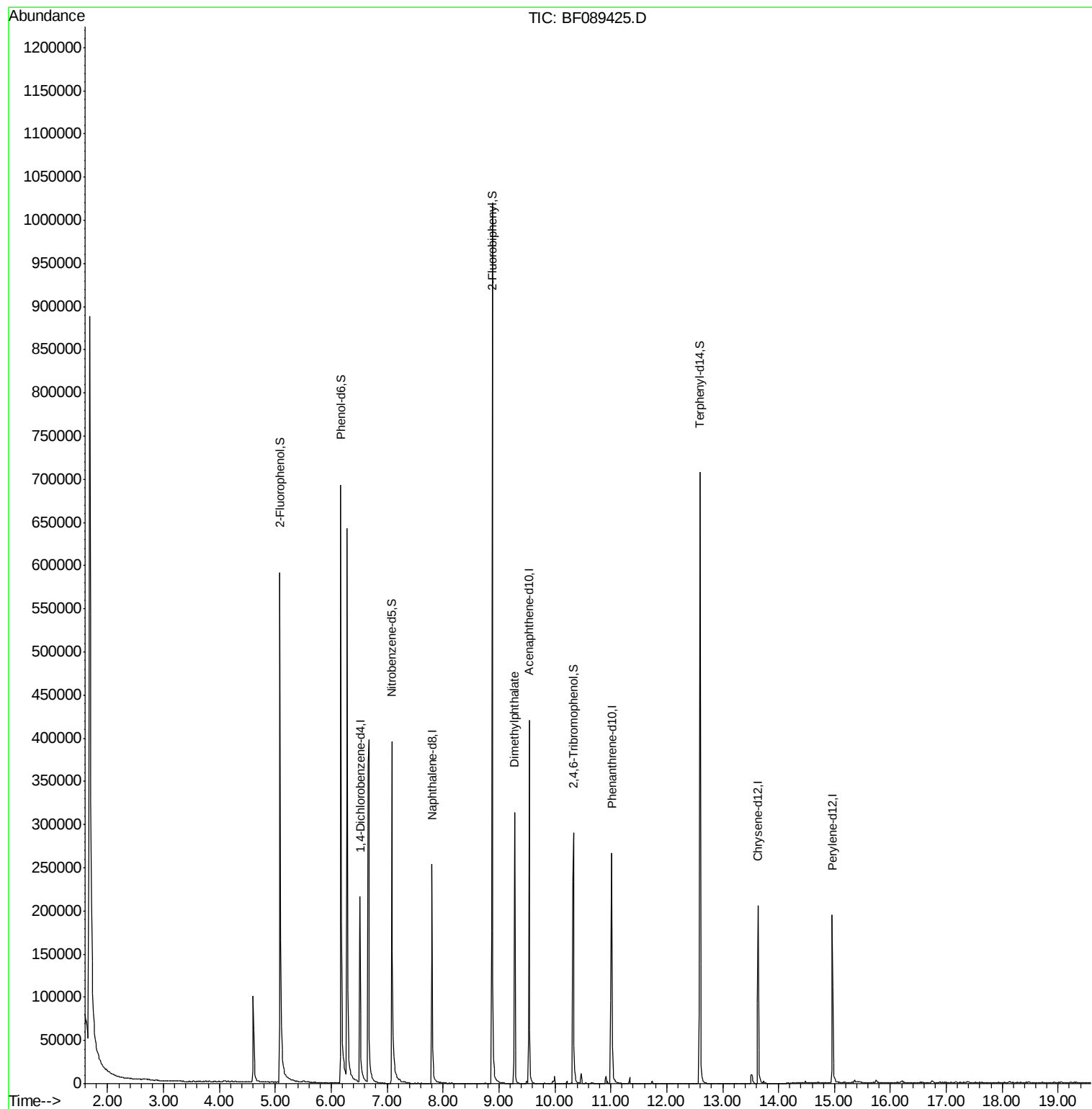
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.51  | 152  | 44906    | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.80  | 136  | 175790   | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.54  | 164  | 82537    | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.02 | 188  | 131030   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 13.63 | 240  | 94689    | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 14.96 | 264  | 94580    | 20.00 | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.08  | 112  | 220505   | 78.40 | ng    | 0.00         |
| 7) Phenol-d6                | 6.17  | 99   | 302083   | 81.28 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.08  | 82   | 188852   | 63.41 | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.33 | 330  | 46682    | 68.29 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 8.88  | 172  | 338064   | 60.11 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.59 | 244  | 224612   | 55.52 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.28  | 163  | 126479   | 20.13 | ng    | Qvalue<br>99 |

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

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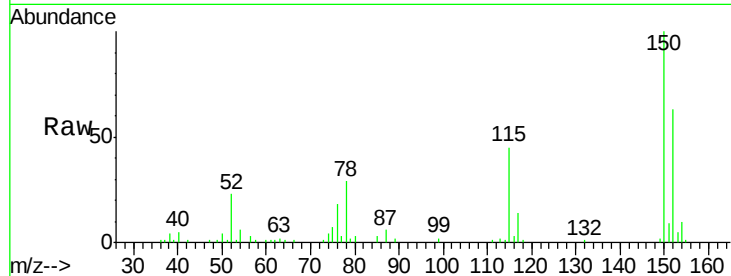




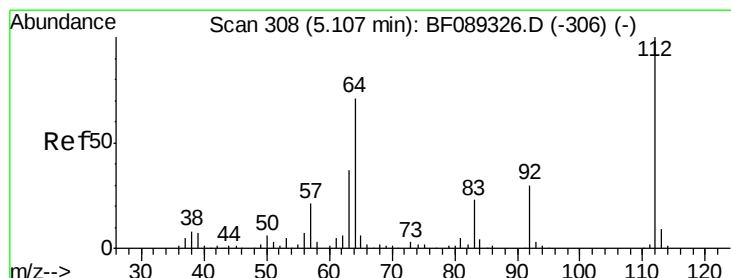
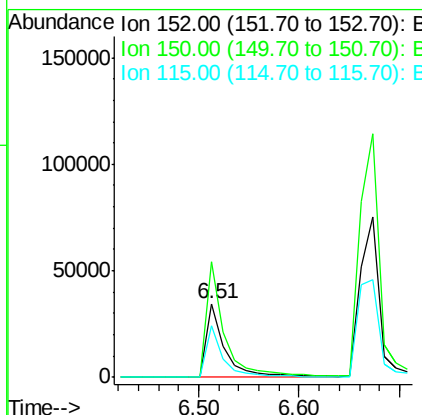
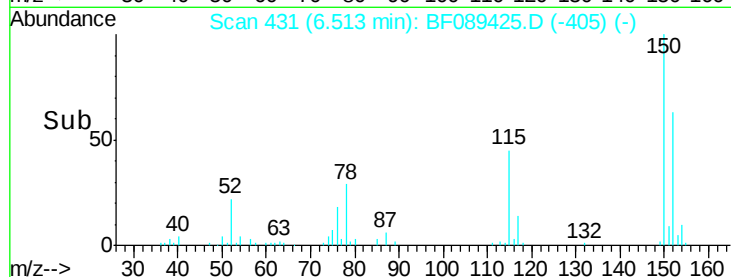
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.51 min Scan# 431  
 Delta R.T. -0.00 min  
 Lab File: BF089425.D  
 Acq: 29 Jul 2016 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49-7.0-8.0

Tgt Ion:152 Resp: 44906  
 Ion Ratio Lower Upper  
 152 100  
 150 158.2 129.5 194.3  
 115 70.7 51.4 77.2

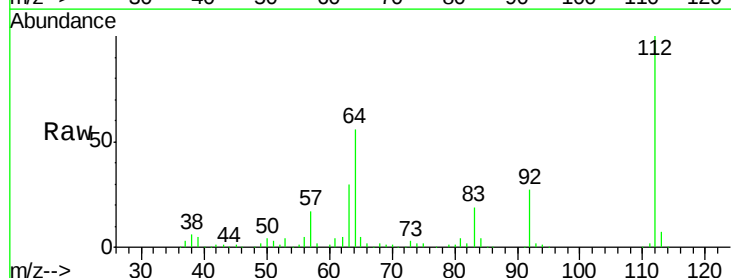


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

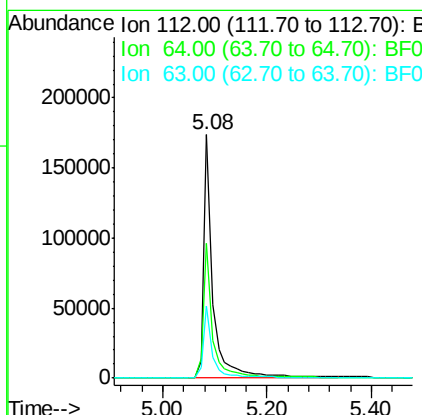
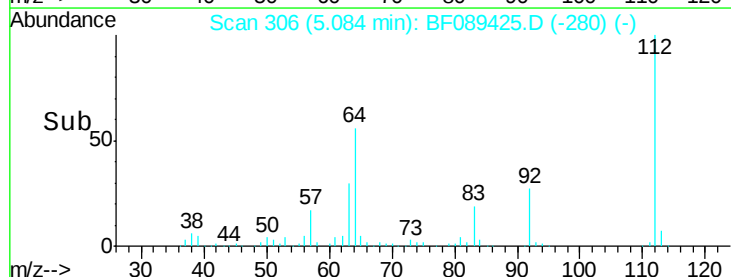


#5  
 2-Fluorophenol  
 Concen: 78.40 ng  
 RT: 5.08 min Scan# 306  
 Delta R.T. -0.00 min  
 Lab File: BF089425.D  
 Acq: 29 Jul 2016 23:10

Tgt Ion:112 Resp: 220505  
 Ion Ratio Lower Upper  
 112 100  
 64 55.6 55.0 82.6  
 63 29.7 29.4 44.2



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: 81.28 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089425.D

Acq: 29 Jul 2016 23:10

Instrument :

BNA\_F

ClientSampleId :

SB-49-7.0-8.0

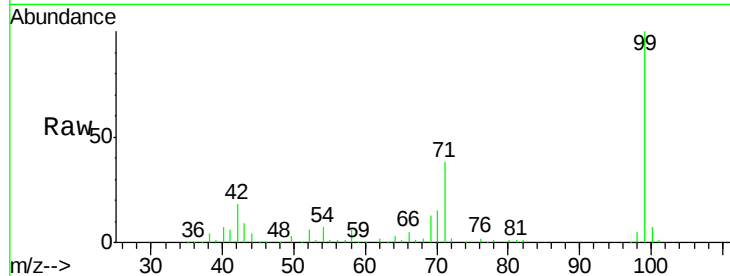
Tgt Ion: 99 Resp: 302083

Ion Ratio Lower Upper

99 100

42 17.9 13.6 20.4

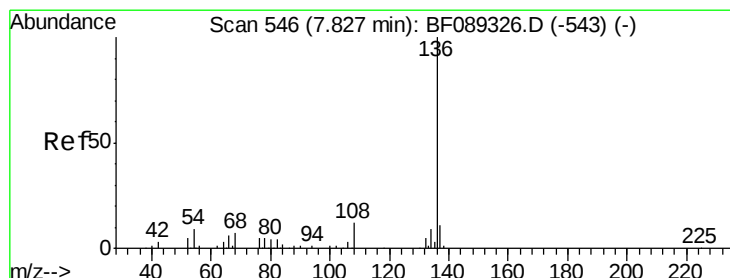
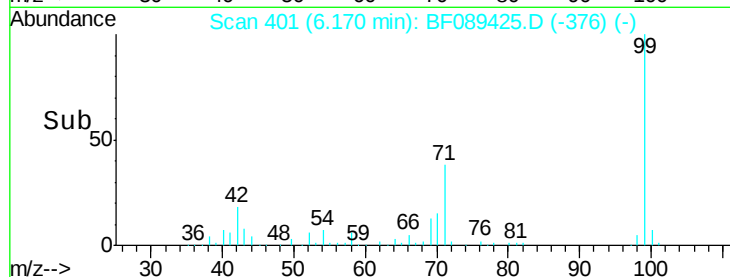
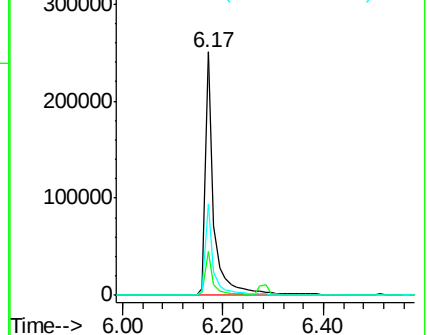
71 37.6 29.4 44.2



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: 7.80 min Scan# 544

Delta R.T. -0.00 min

Lab File: BF089425.D

Acq: 29 Jul 2016 23:10

Tgt Ion: 136 Resp: 175790

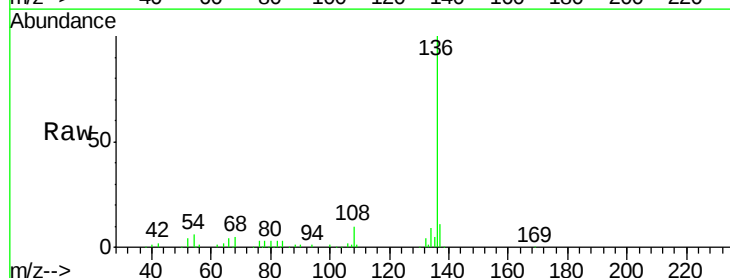
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.0 7.0 10.4#

68 4.7 4.9 7.3#

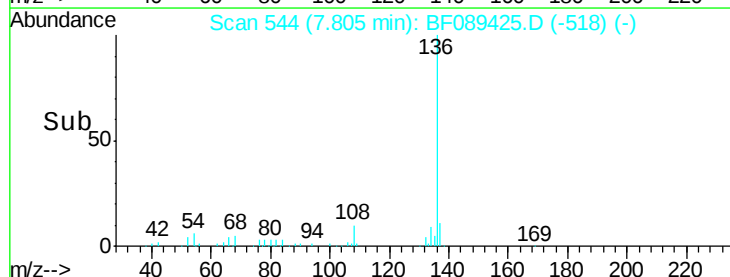
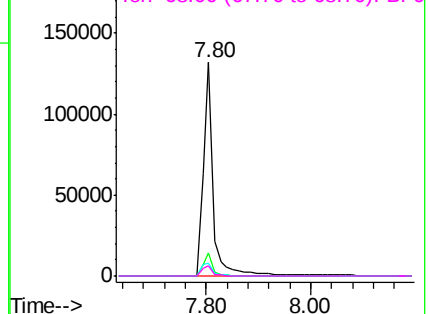


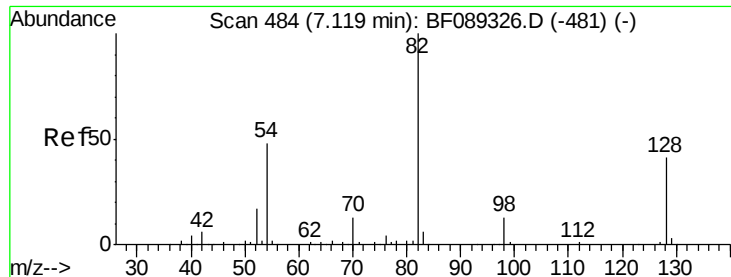
Abundance Ion 136.00 (135.70 to 136.70): E

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

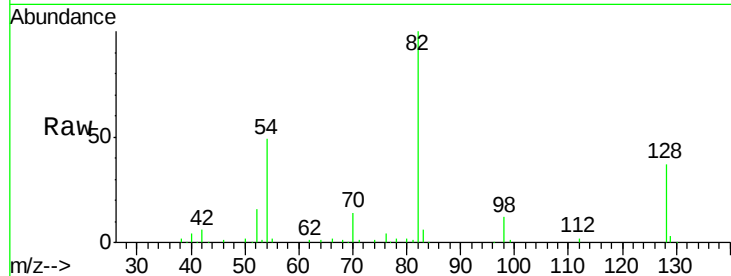




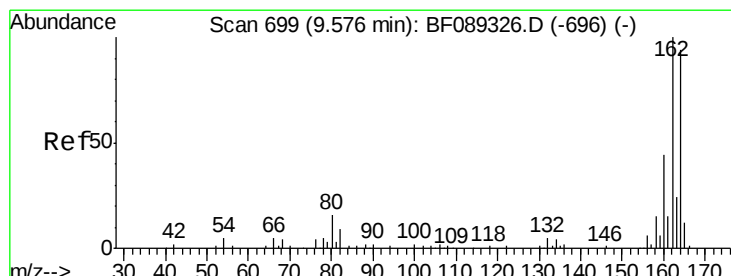
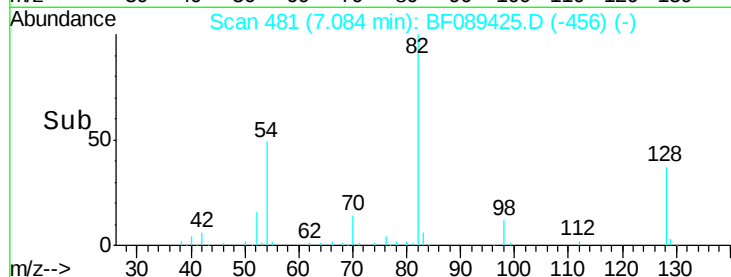
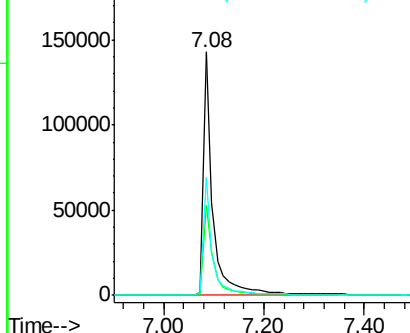
#23  
 Nitrobenzene-d5  
 Concen: 63.41 ng  
 RT: 7.08 min Scan# 481  
 Delta R.T. -0.01 min  
 Lab File: BF089425.D  
 Acq: 29 Jul 2016 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49-7.0-8.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.0  | 32.5  | 48.7  |
| 54      | 48.6  | 38.8  | 58.2  |

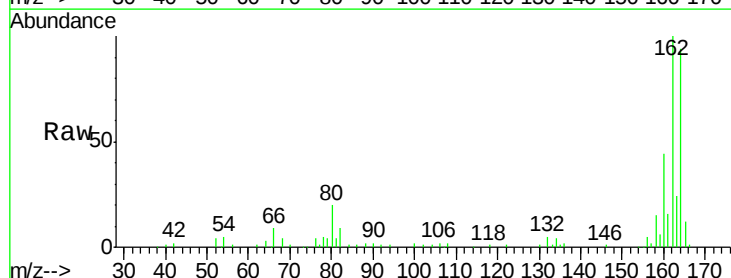


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

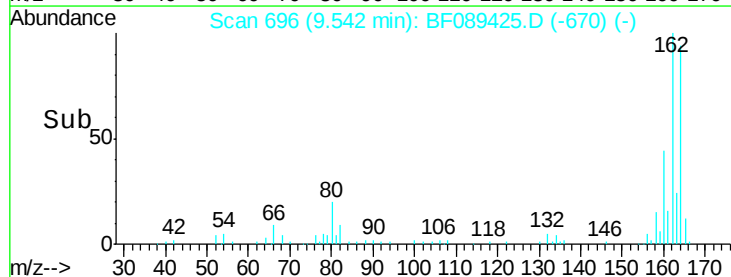
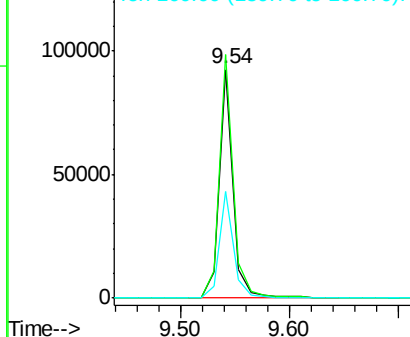


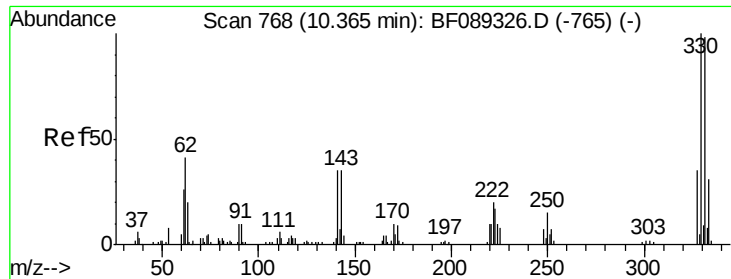
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.54 min Scan# 696  
 Delta R.T. -0.00 min  
 Lab File: BF089425.D  
 Acq: 29 Jul 2016 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.6 | 83.7  | 125.5 |
| 160     | 46.8  | 37.8  | 56.6  |



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

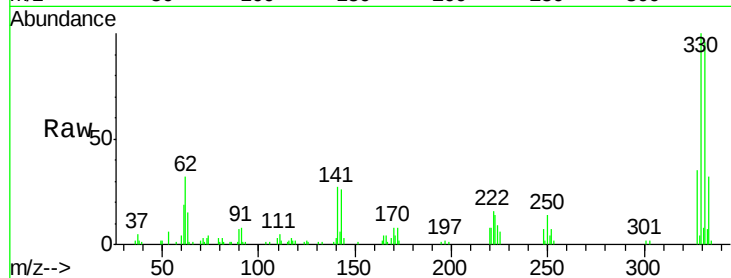




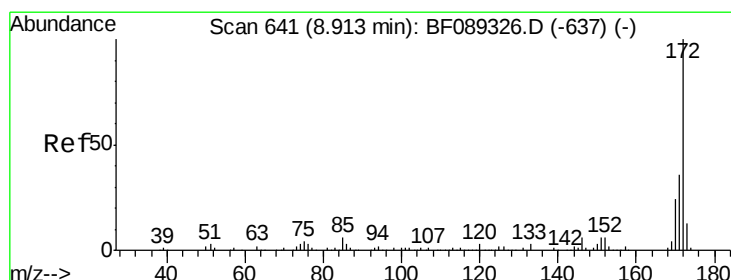
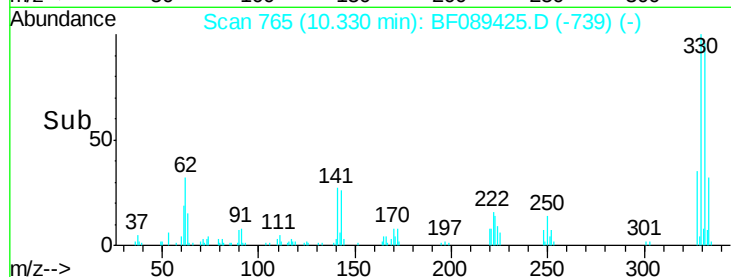
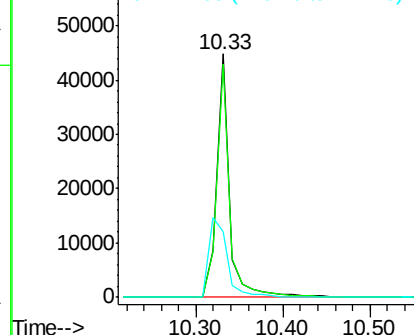
#41  
 2,4,6-Tribromophenol  
 Concen: 68.29 ng  
 RT: 10.33 min Scan# 765  
 Delta R.T. -0.00 min  
 Lab File: BF089425.D  
 Acq: 29 Jul 2016 23:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49-7.0-8.0

Tgt Ion:330 Resp: 46682  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.8 115.2  
 141 46.1 37.3 55.9

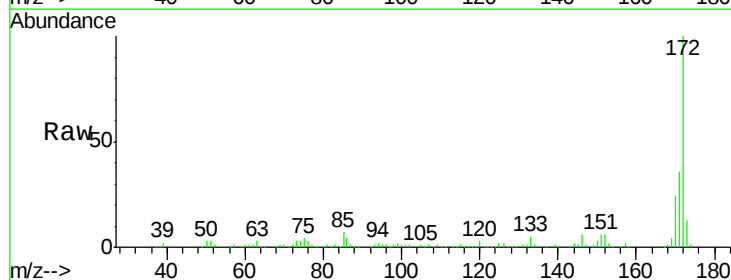


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

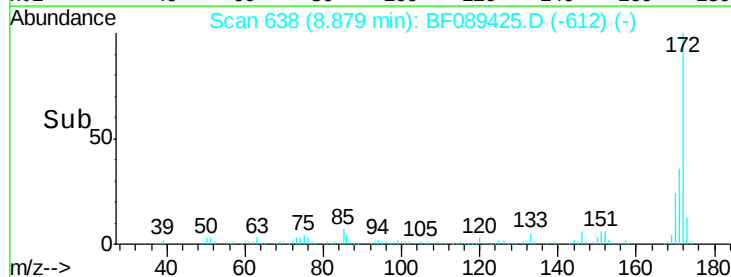
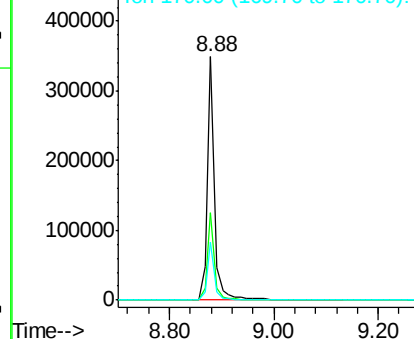


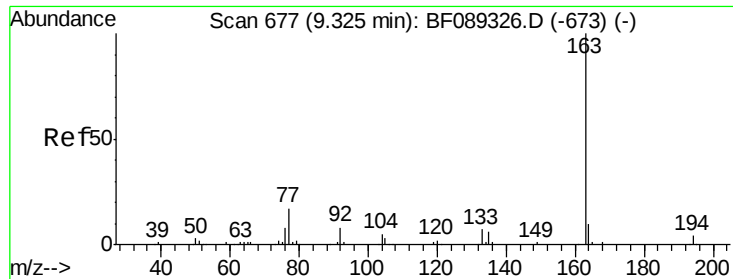
#44  
 2-Fluorobiphenyl  
 Concen: 60.11 ng  
 RT: 8.88 min Scan# 638  
 Delta R.T. -0.00 min  
 Lab File: BF089425.D  
 Acq: 29 Jul 2016 23:10

Tgt Ion:172 Resp: 338064  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.2 43.8  
 170 23.7 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

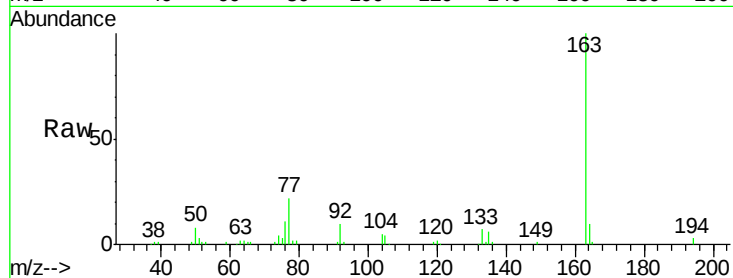




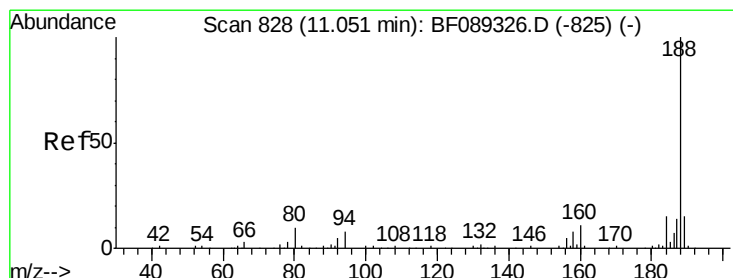
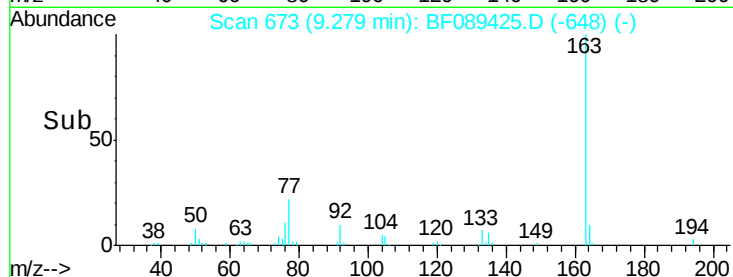
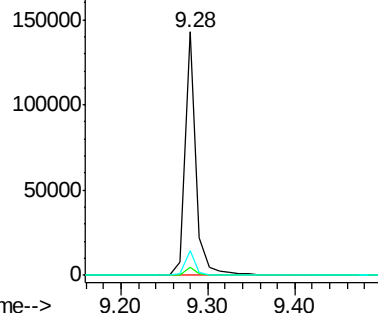
#49  
Dimethylphthalate  
Concen: 20.13 ng  
RT: 9.28 min Scan# 673  
Delta R.T. -0.01 min  
Lab File: BF089425.D  
Acq: 29 Jul 2016 23:10

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49-7.0-8.0

Tgt Ion:163 Resp: 126479  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.8 4.2  
164 10.0 7.8 11.8

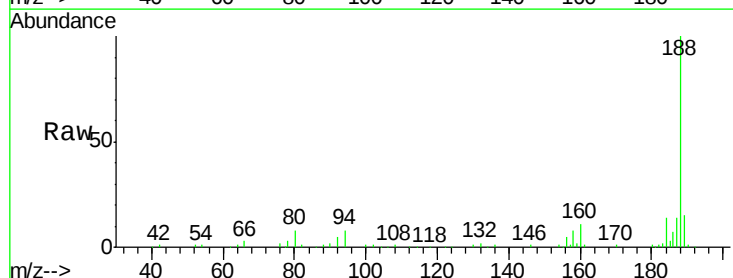


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

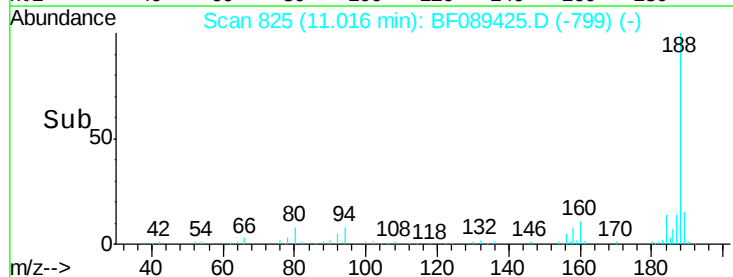
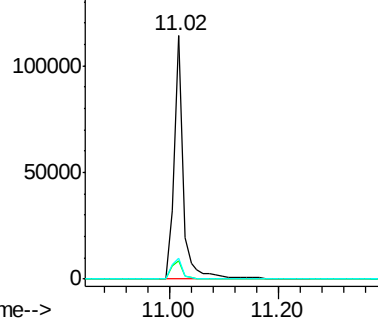


#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.02 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BF089425.D  
Acq: 29 Jul 2016 23:10

Tgt Ion:188 Resp: 131030  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.5 9.7  
80 8.5 7.2 10.8



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: 13.63 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BF089425.D

Acq: 29 Jul 2016 23:10

Instrument :

BNA\_F

ClientSampleId :

SB-49-7.0-8.0

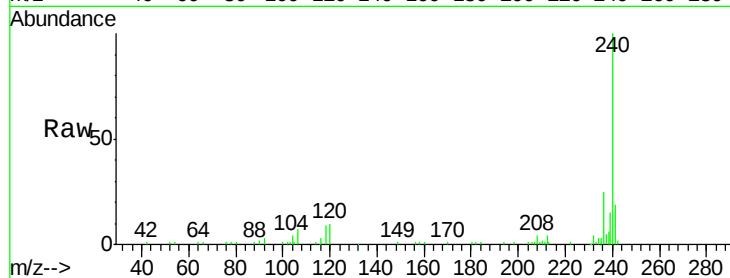
Tgt Ion:240 Resp: 94689

Ion Ratio Lower Upper

240 100

120 9.8 9.1 13.7

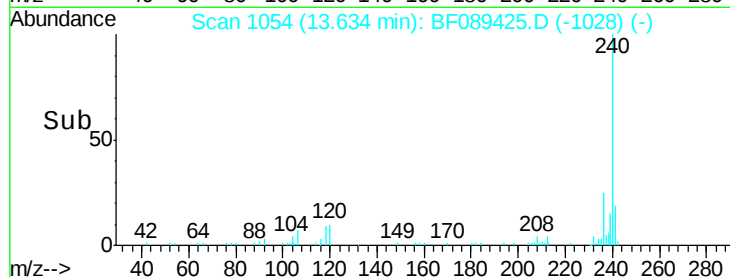
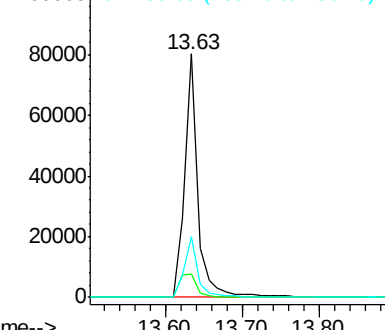
236 24.8 20.6 30.8



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: 55.52 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF089425.D

Acq: 29 Jul 2016 23:10

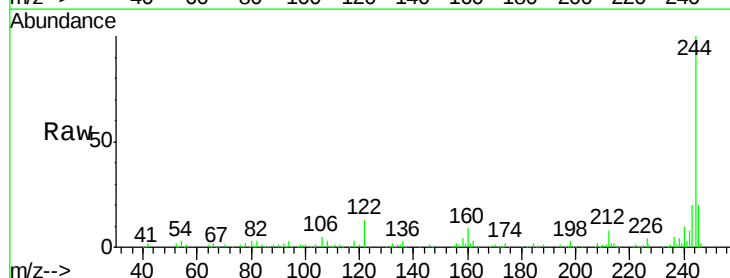
Tgt Ion:244 Resp: 224612

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

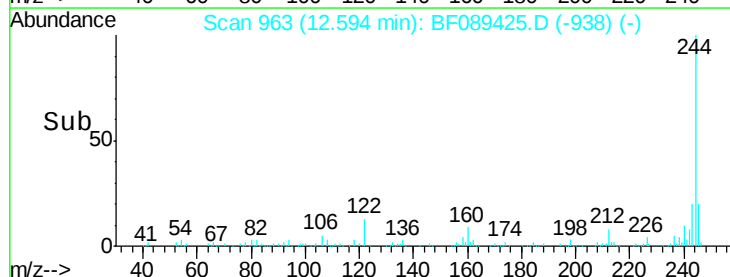
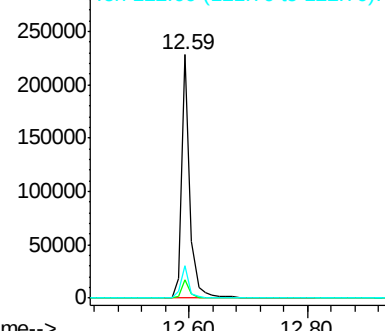
122 13.3 11.4 17.0

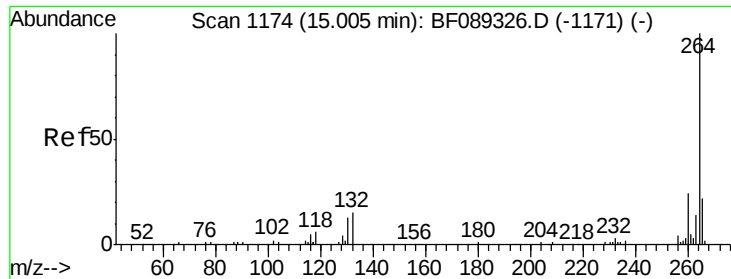


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

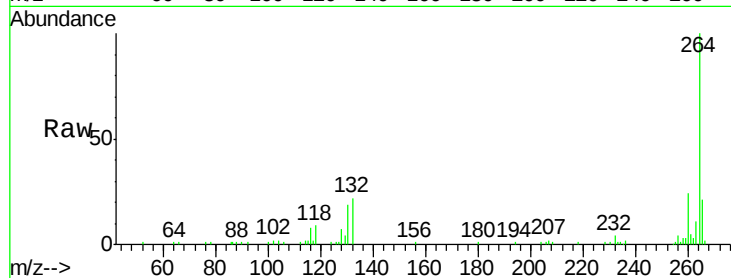




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.96 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: BF089425.D  
Acq: 29 Jul 2016 23:10

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49-7.0-8.0

Tgt Ion: 264 Resp: 94580  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.0 28.4  
265 21.0 17.5 26.3



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

