

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\  
 Data File : BF081718.D  
 Acq On : 21 Sep 2015 17:15  
 Operator : UM/IZ  
 Sample : G3717-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LIP-16-9-16-15

Quant Time: Sep 22 02:08:00 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 14:03:59 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 41659    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8          | 11.05 | 136  | 165106   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10        | 15.19 | 164  | 77437    | 20.00  | ng    | -0.07    |
| 63) Phenanthrene-d10        | 18.70 | 188  | 158241   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12            | 23.35 | 240  | 131917   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 24.79 | 264  | 91075    | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 132382   | 49.30  | ng    | -0.03    |
| 7) Phenol-d6                | 7.59  | 99   | 108286   | 30.47  | ng    | -0.06    |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 345085   | 100.84 | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol    | 17.10 | 330  | 106006   | 153.74 | ng    | -0.07    |
| 44) 2-Fluorobiphenyl        | 13.71 | 172  | 616395   | 102.01 | ng    | -0.07    |
| 78) Terphenyl-d14           | 22.07 | 244  | 573464   | 101.19 | ng    | -0.04    |

Target Compounds Qvalue

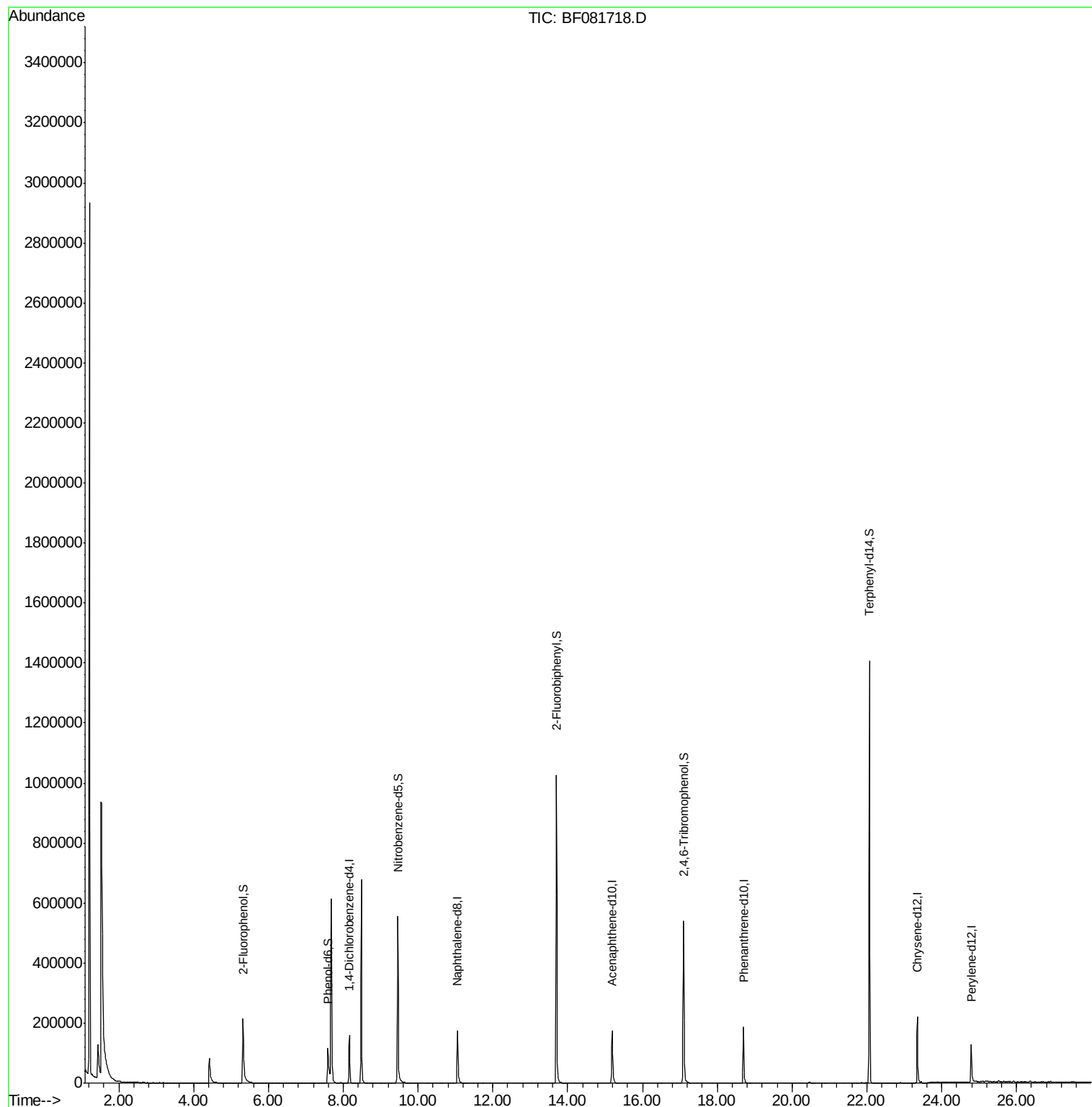
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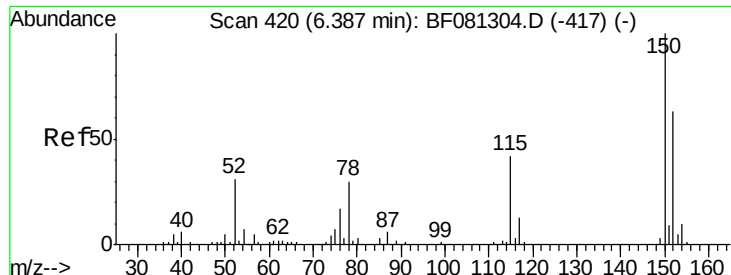
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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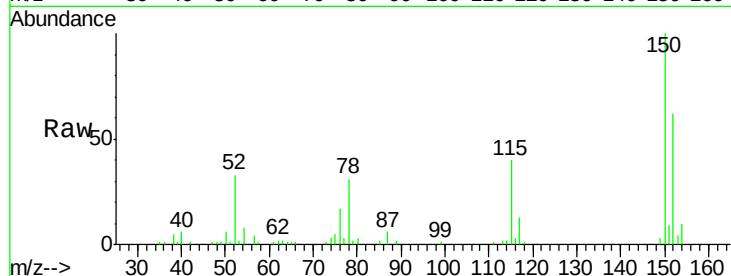


#1

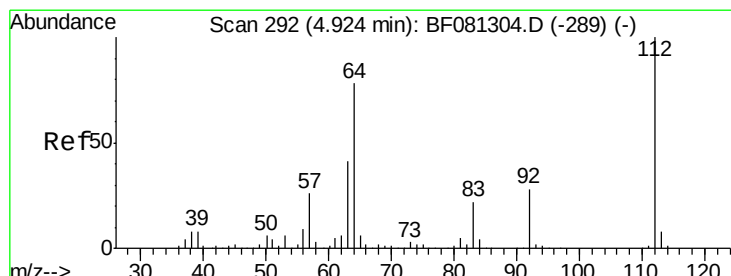
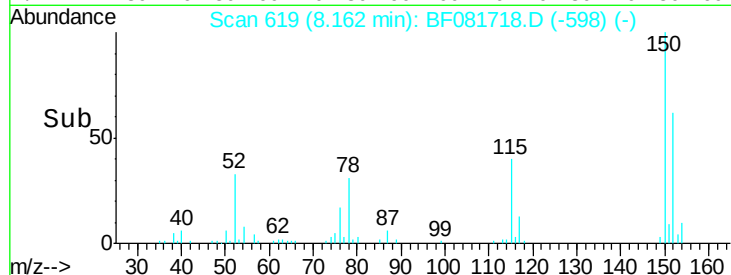
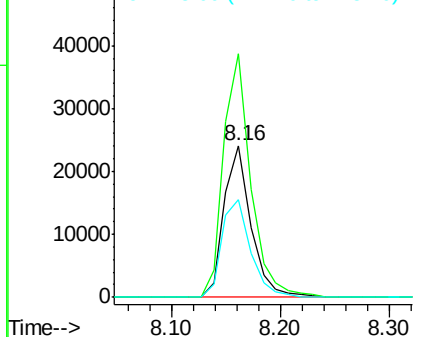
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.16 min Scan# 619  
Delta R.T. -0.06 min  
Lab File: BF081718.D  
Acq: 21 Sep 2015 17:15

Instrument :  
BNA\_F  
ClientSampleId :  
LIP-16-9-16-15

Tot Ion:152 Resp: 41659  
Ion Ratio Lower Upper  
152 100  
150 160.3 124.7 187.1  
115 64.6 39.0 58.4#



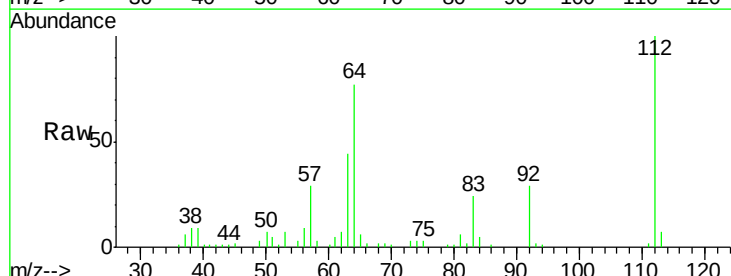
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



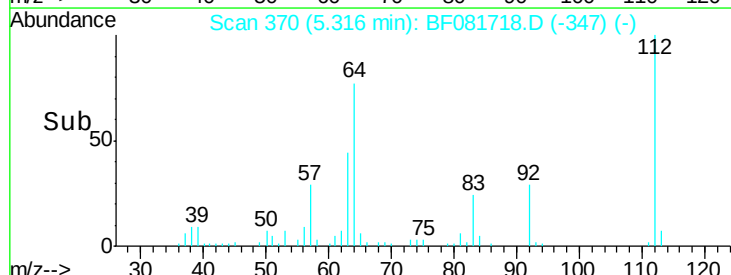
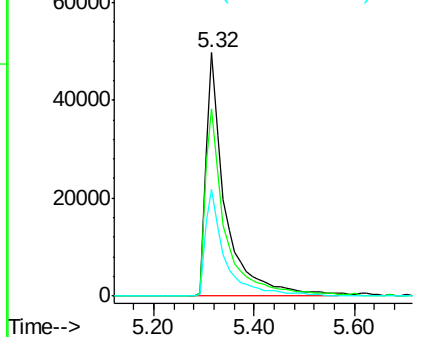
#5

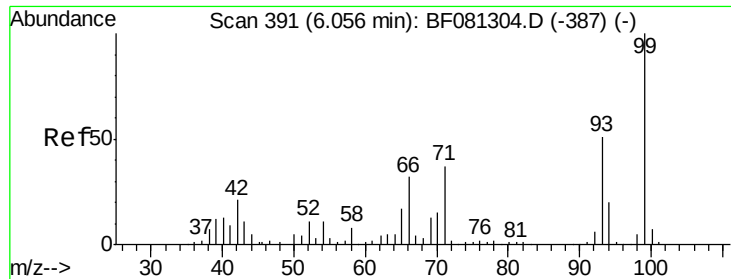
2-Fluorophenol  
Concen: 49.30 ng  
RT: 5.32 min Scan# 370  
Delta R.T. -0.03 min  
Lab File: BF081718.D  
Acq: 21 Sep 2015 17:15

Tgt Ion:112 Resp: 132382  
Ion Ratio Lower Upper  
112 100  
64 76.7 39.7 59.5#  
63 43.9 17.4 26.0#



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: 30.47 ng

RT: 7.59 min Scan# 569

Delta R.T. -0.06 min

Lab File: BF081718.D

Acq: 21 Sep 2015 17:15

Instrument :

BNA\_F

ClientSampleId :

LIP-16-9-16-15

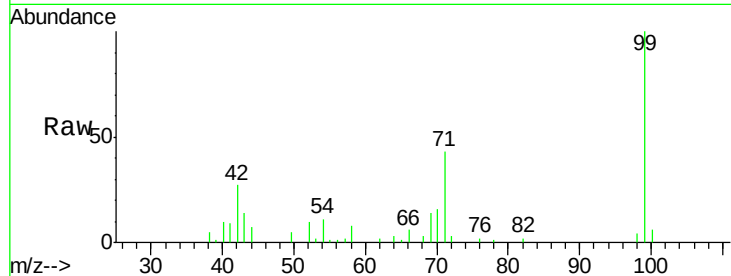
Tot Ion: 99 Resp: 108286

Ion Ratio Lower Upper

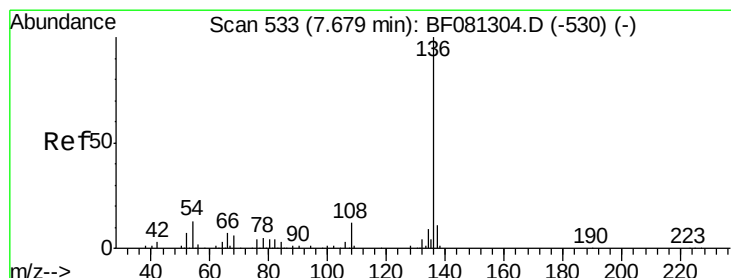
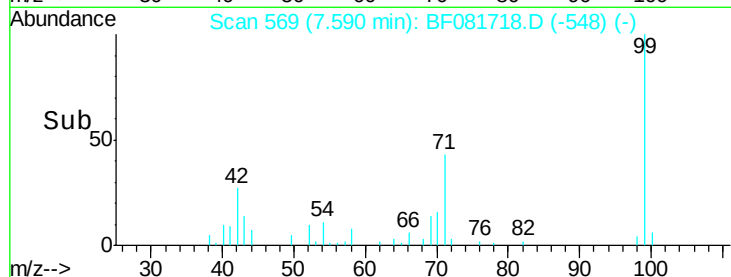
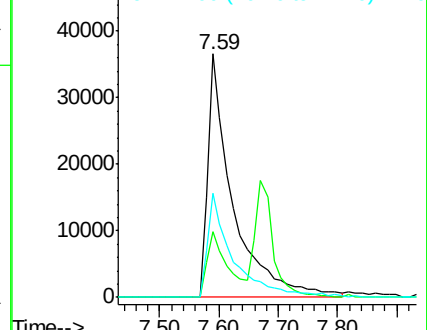
99 100

42 26.8 13.7 20.5#

71 42.5 14.2 21.2#



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: 11.05 min Scan# 872

Delta R.T. -0.07 min

Lab File: BF081718.D

Acq: 21 Sep 2015 17:15

Tgt Ion: 136 Resp: 165106

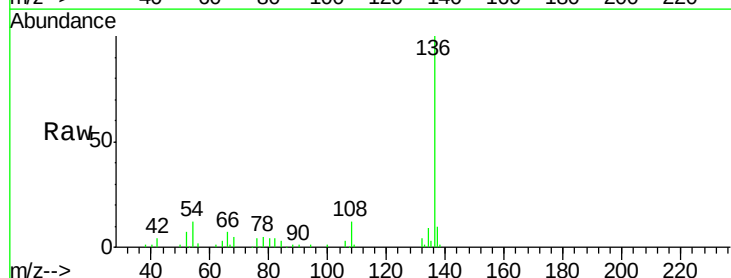
Ion Ratio Lower Upper

136 100

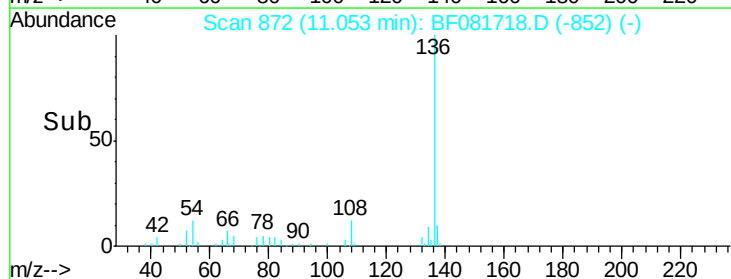
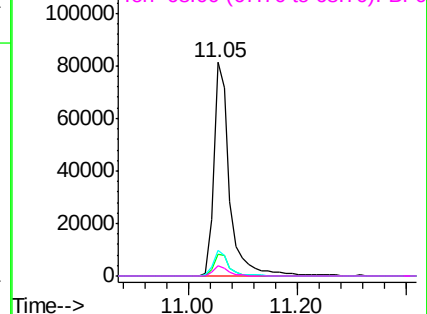
137 10.2 9.0 13.6

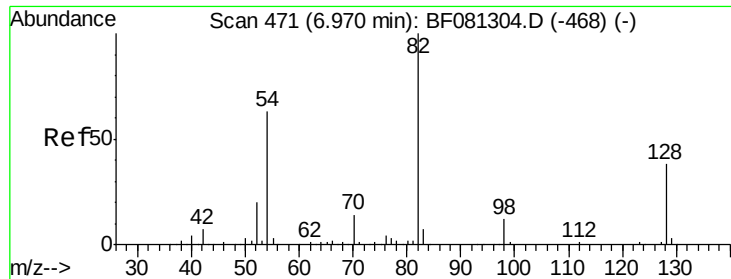
54 11.7 8.2 12.2

68 4.7 5.8 8.6#



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

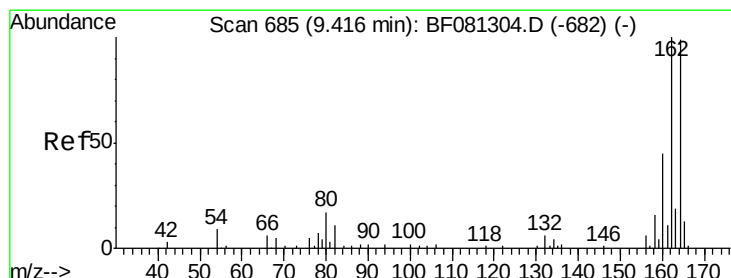
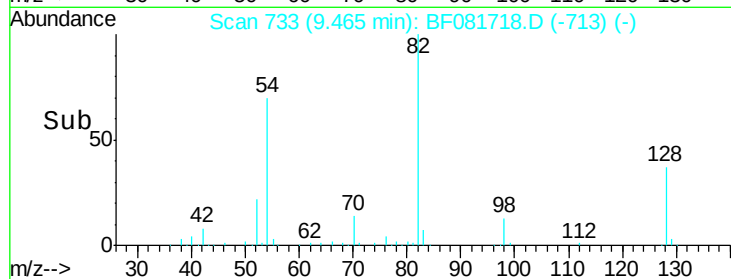
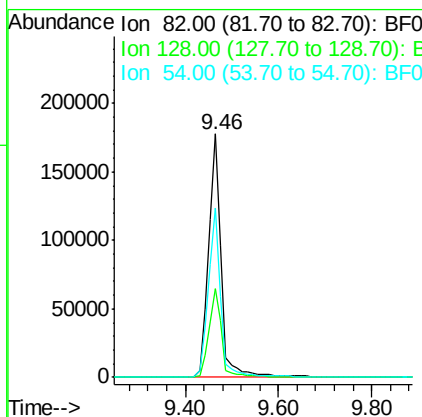
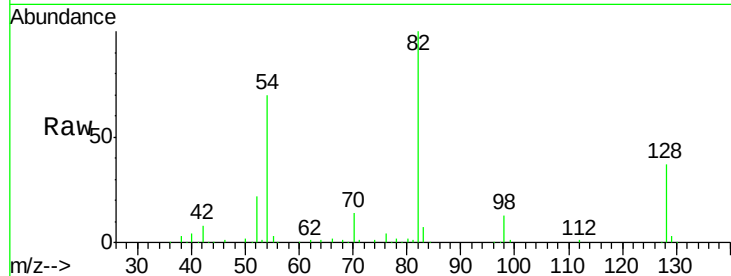




#23  
 Nitrobenzene-d5  
 Concen: 100.84 ng  
 RT: 9.46 min Scan# 733  
 Delta R.T. -0.07 min  
 Lab File: BF081718.D  
 Acq: 21 Sep 2015 17:15

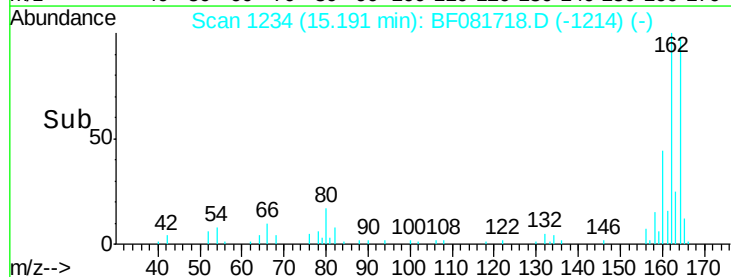
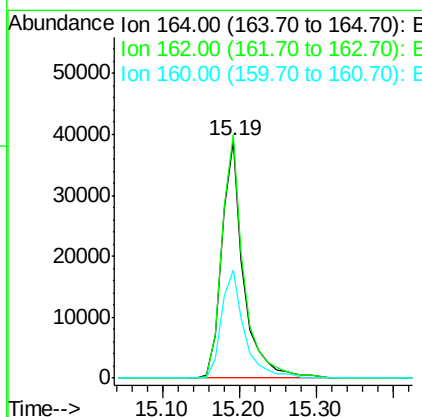
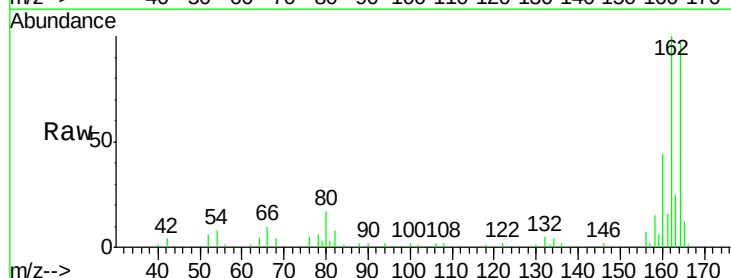
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LIP-16-9-16-15

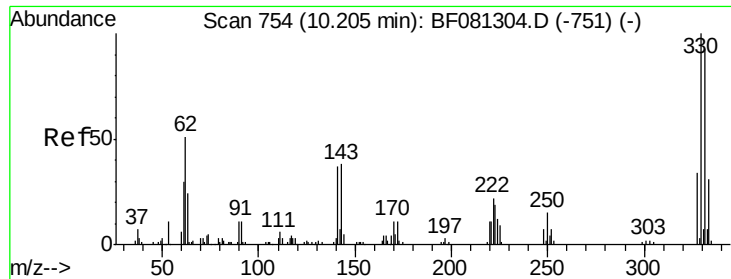
Tot Ion: 82 Resp: 345085  
 Ion Ratio Lower Upper  
 82 100  
 128 36.6 51.0 76.6#  
 54 69.6 47.5 71.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.19 min Scan# 1234  
 Delta R.T. -0.07 min  
 Lab File: BF081718.D  
 Acq: 21 Sep 2015 17:15

Tgt Ion:164 Resp: 77437  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 75.2 112.8  
 160 45.6 31.5 47.3

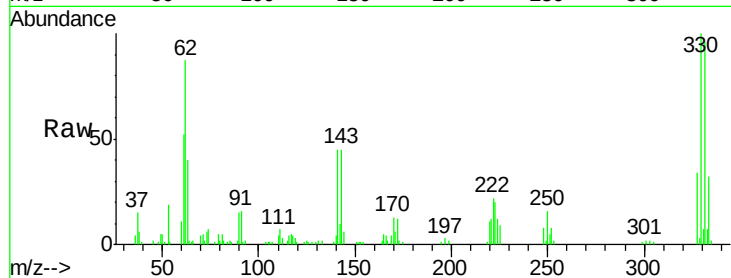




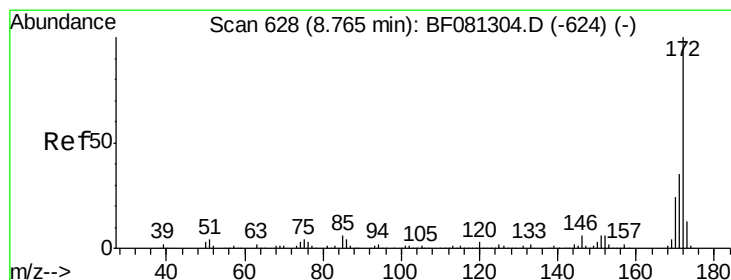
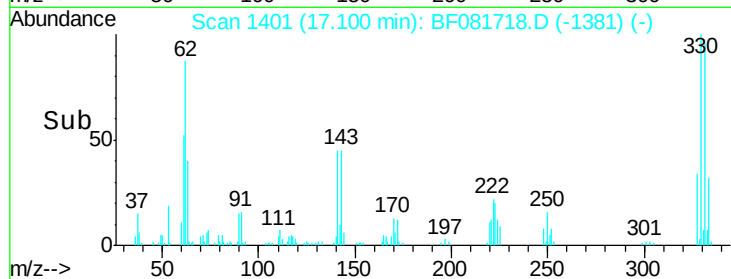
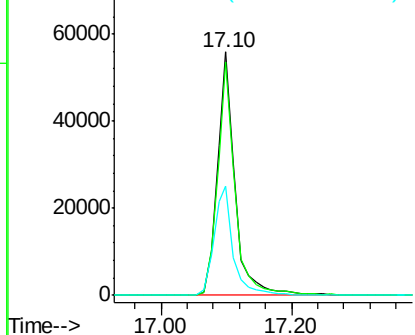
#41  
 2,4,6-Tribromophenol  
 Concen: 153.74 ng  
 RT: 17.10 min Scan# 1401  
 Delta R.T. -0.07 min  
 Lab File: BF081718.D  
 Acq: 21 Sep 2015 17:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LIP-16-9-16-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 76.6  | 114.8 |
| 141     | 48.4  | 29.7  | 44.5# |

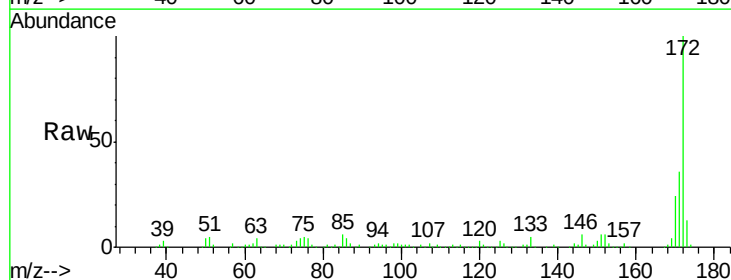


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

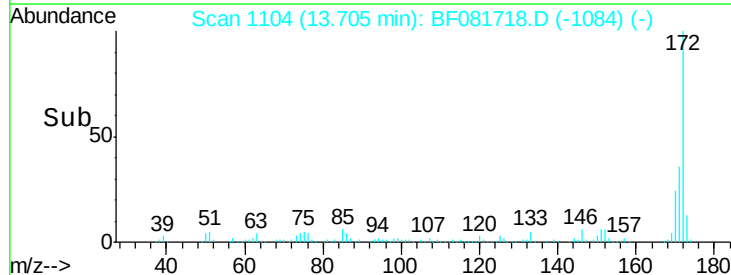
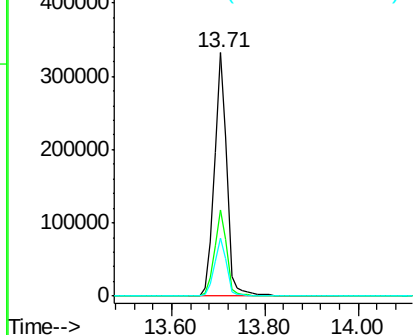


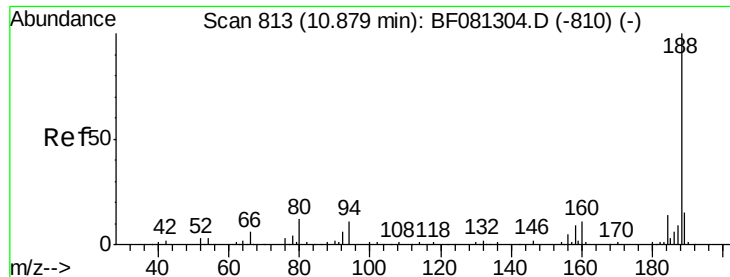
#44  
 2-Fluorobiphenyl  
 Concen: 102.01 ng  
 RT: 13.71 min Scan# 1104  
 Delta R.T. -0.07 min  
 Lab File: BF081718.D  
 Acq: 21 Sep 2015 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 26.1  | 39.1  |
| 170     | 23.8  | 17.4  | 26.2  |



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

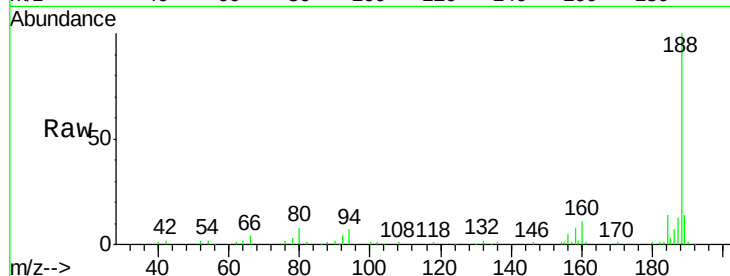




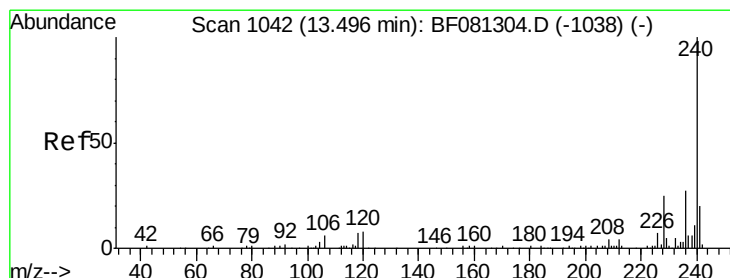
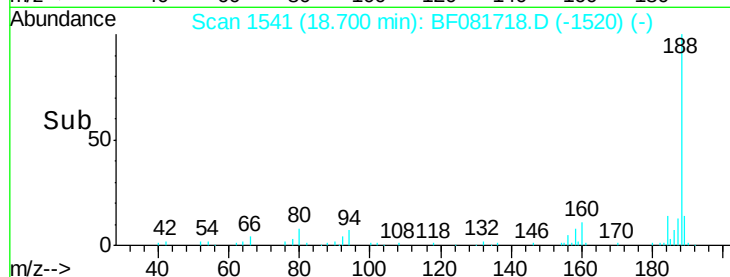
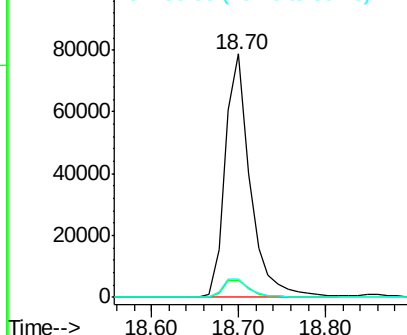
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 18.70 min Scan# 1541  
Delta R.T. -0.06 min  
Lab File: BF081718.D  
Acq: 21 Sep 2015 17:15

Instrument :  
BNA\_F  
ClientSampleId :  
LIP-16-9-16-15

Tot Ion:188 Resp: 158241  
Ion Ratio Lower Upper  
188 100  
94 7.2 11.1 16.7#  
80 7.7 11.0 16.4#

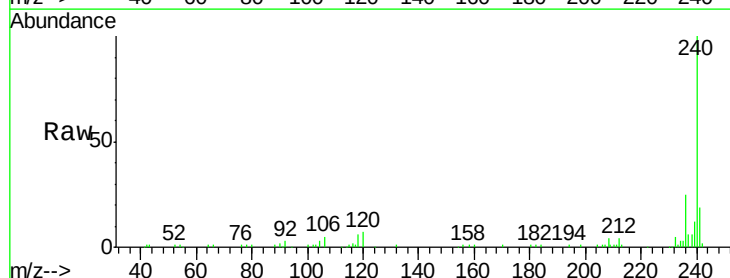


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

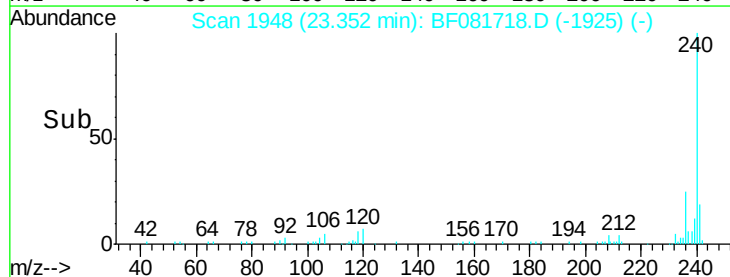
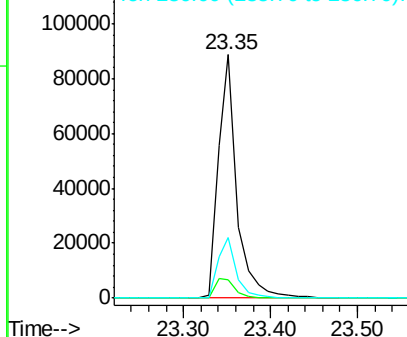


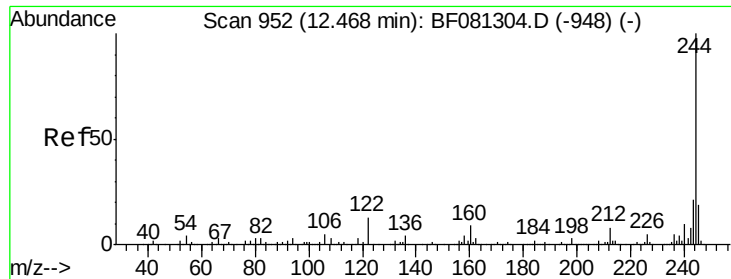
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 23.35 min Scan# 1948  
Delta R.T. -0.03 min  
Lab File: BF081718.D  
Acq: 21 Sep 2015 17:15

Tgt Ion:240 Resp: 131917  
Ion Ratio Lower Upper  
240 100  
120 7.4 16.2 24.2#  
236 24.8 18.4 27.6



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: 101.19 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081718.D

Acq: 21 Sep 2015 17:15

Instrument :

BNA\_F

ClientSampleId :

LIP-16-9-16-15

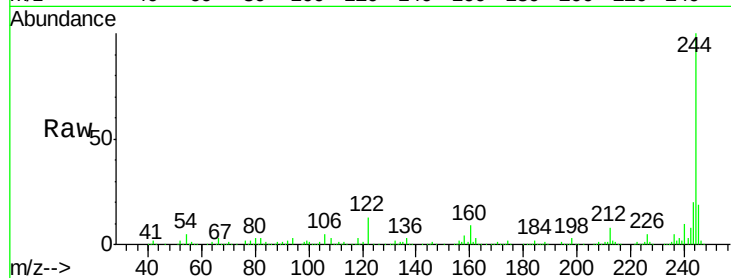
Tot Ion:244 Resp: 573464

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

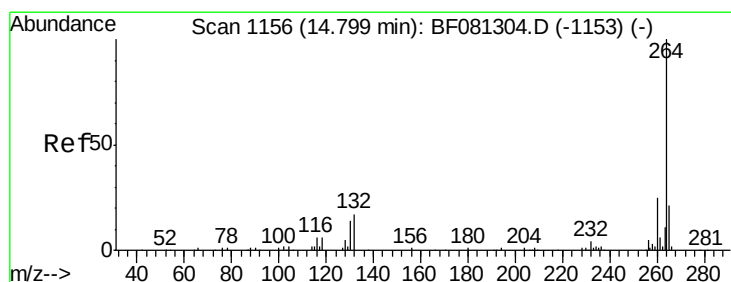
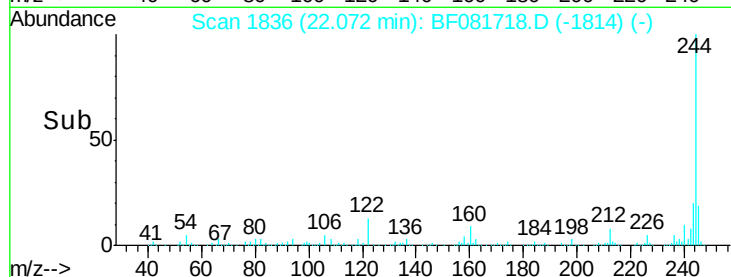
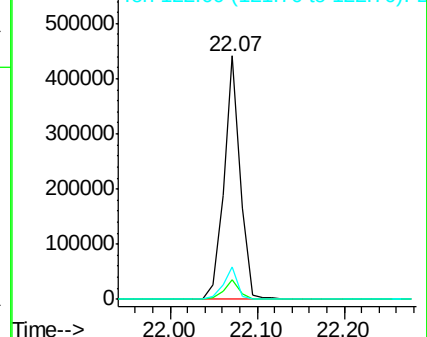
122 13.3 17.4 26.2#



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: 24.79 min Scan# 2074

Delta R.T. -0.02 min

Lab File: BF081718.D

Acq: 21 Sep 2015 17:15

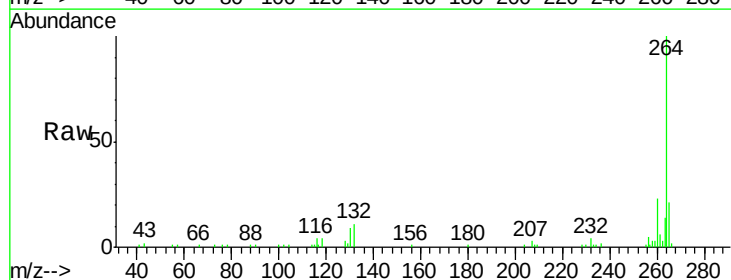
Tgt Ion:264 Resp: 91075

Ion Ratio Lower Upper

264 100

260 23.3 16.7 25.1

265 21.4 17.2 25.8



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

