

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\  
 Data File : BF080687.D  
 Acq On : 27 Jul 2015 23:35  
 Operator : TP/UM  
 Sample : G3088-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DIN46-EFFLUENT-072315

Quant Time: Jul 28 07:51:45 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 28 07:40:31 2015  
 Response via : Initial Calibration

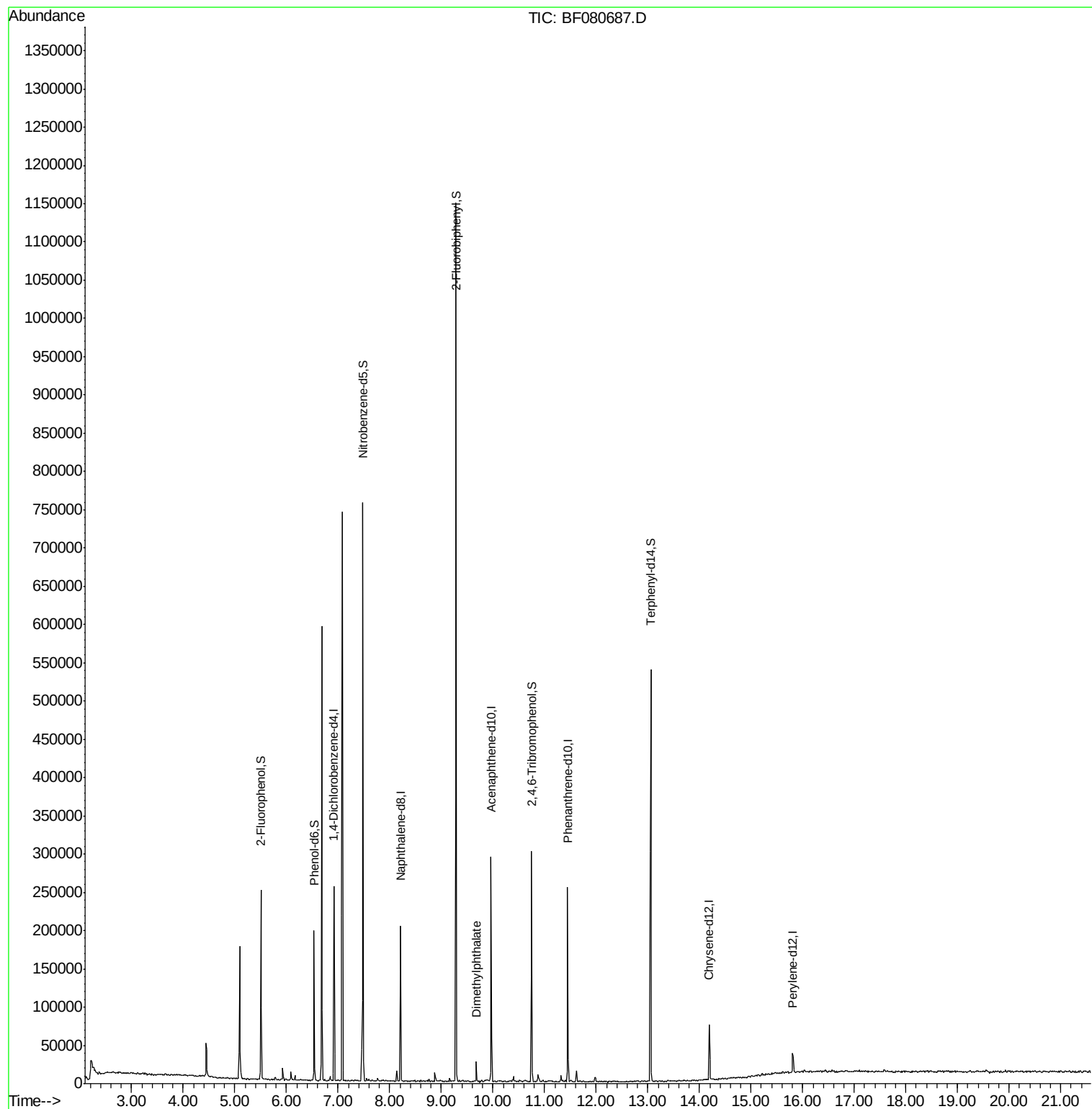
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 31997    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.21  | 136  | 113855   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.96  | 164  | 52946    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.45 | 188  | 85930    | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 14.19 | 240  | 29641    | 20.00  | ng    | -0.06          |
| 86) Perylene-d12            | 15.80 | 264  | 14901    | 20.00  | ng    | -0.11          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.50  | 112  | 64851    | 31.70  | ng    | 0.00           |
| 7) Phenol-d6                | 6.53  | 99   | 51435    | 23.74  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 199480   | 89.70  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 36590    | 78.15  | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 365143   | 86.31  | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.06 | 244  | 201462   | 115.74 | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.68  | 163  | 10680    | 3.05   | ng    | Qvalue<br># 97 |

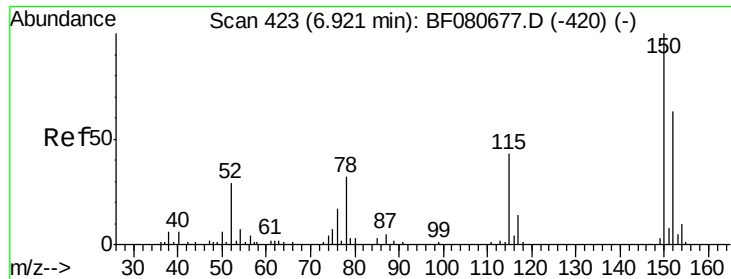
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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Response via : Initial Calibration



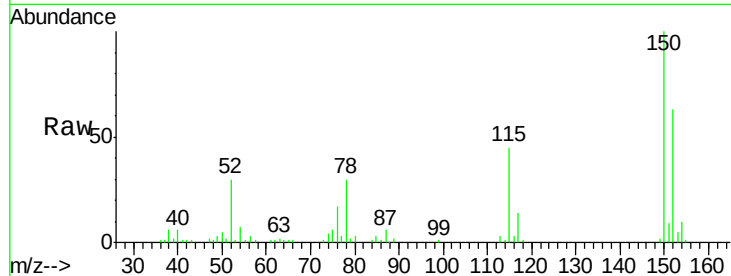


#1

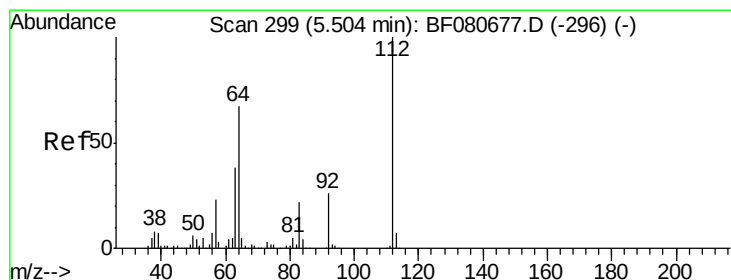
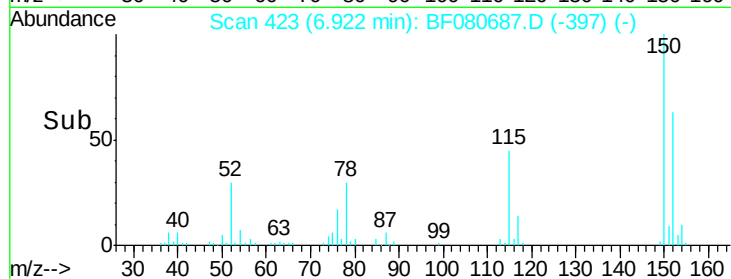
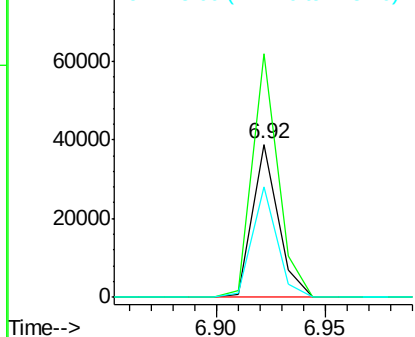
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.92 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: BF080687.D  
Acq: 27 Jul 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
DIN46-EFFLUENT-072315

Tot Ion:152 Resp: 31997  
Ion Ratio Lower Upper  
152 100  
150 159.1 127.7 191.5  
115 72.1 54.2 81.4



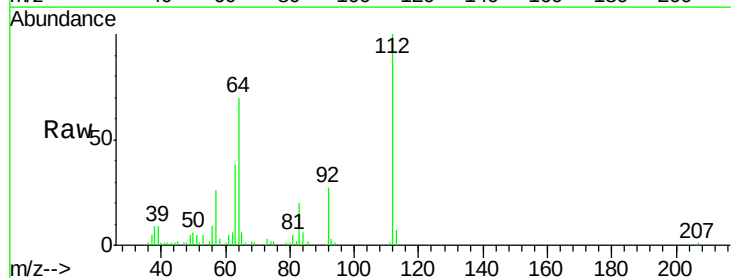
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



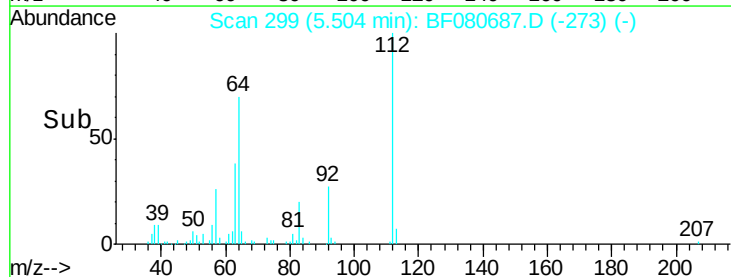
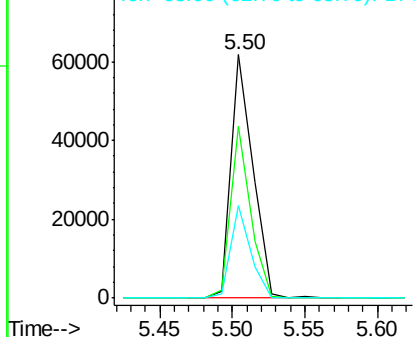
#5

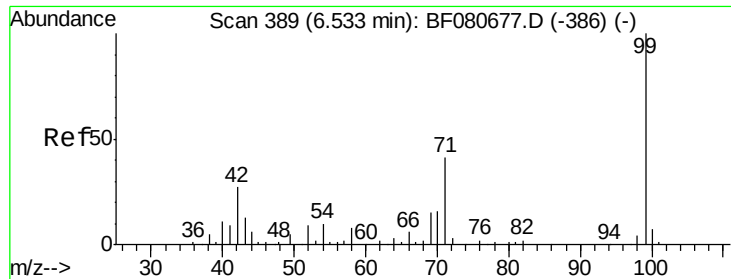
2-Fluorophenol  
Concen: 31.70 ng  
RT: 5.50 min Scan# 299  
Delta R.T. 0.00 min  
Lab File: BF080687.D  
Acq: 27 Jul 2015 23:35

Tgt Ion:112 Resp: 64851  
Ion Ratio Lower Upper  
112 100  
64 70.5 53.2 79.8  
63 37.9 30.4 45.6



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: 23.74 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Instrument :

BNA\_F

ClientSampleId :

DIN46-EFFLUENT-072315

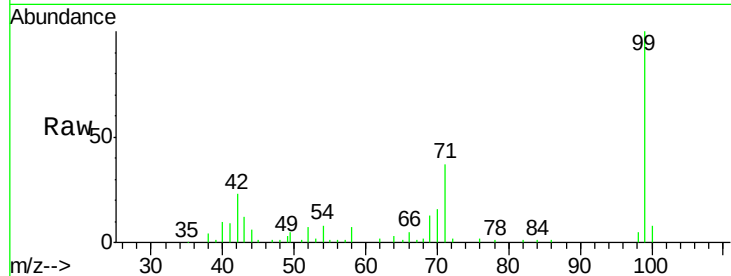
Tot Ion: 99 Resp: 51435

Ion Ratio Lower Upper

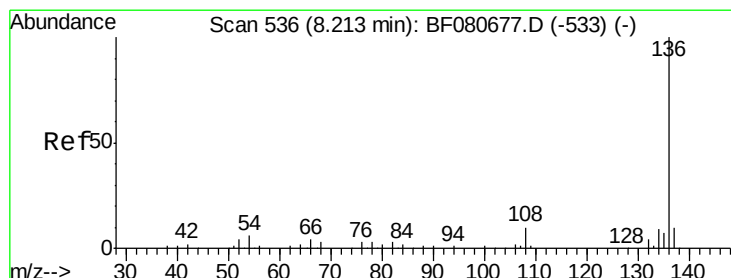
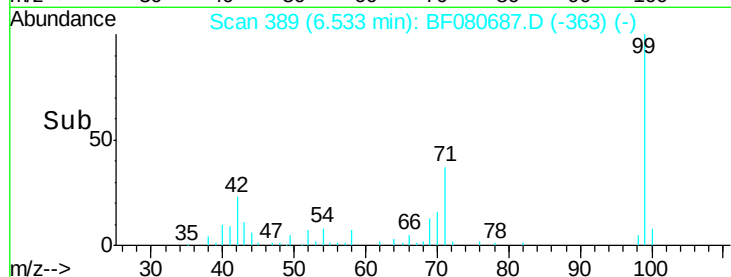
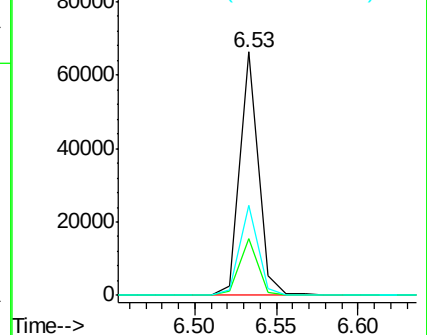
99 100

42 23.2 21.8 32.8

71 37.1 32.9 49.3



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: 8.21 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Tgt Ion: 136 Resp: 113855

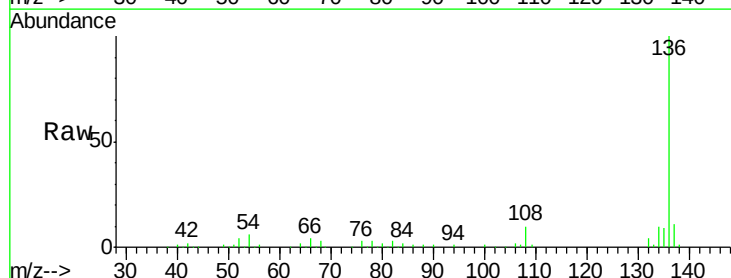
Ion Ratio Lower Upper

136 100

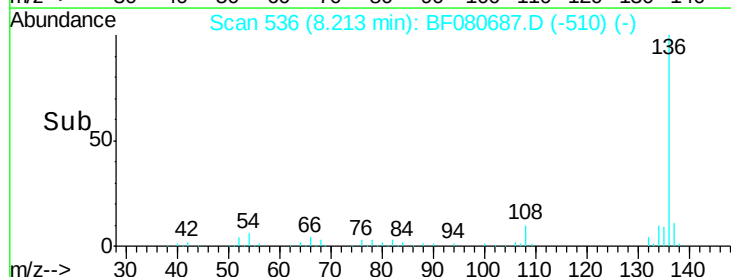
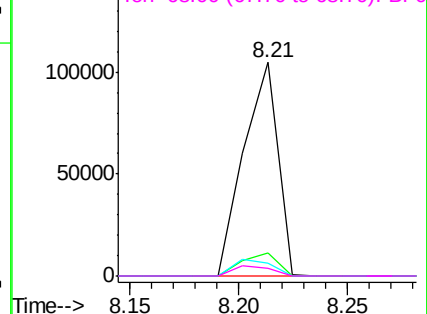
137 11.0 8.2 12.2

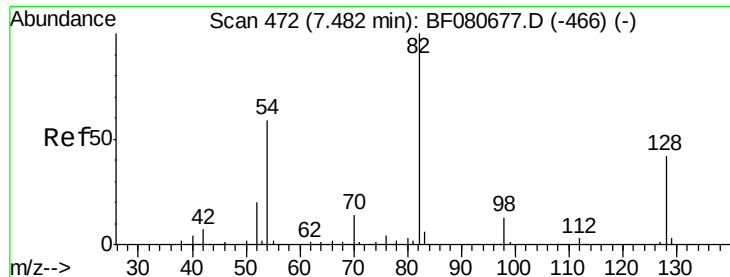
54 6.2 5.0 7.4

68 3.4 2.7 4.1



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

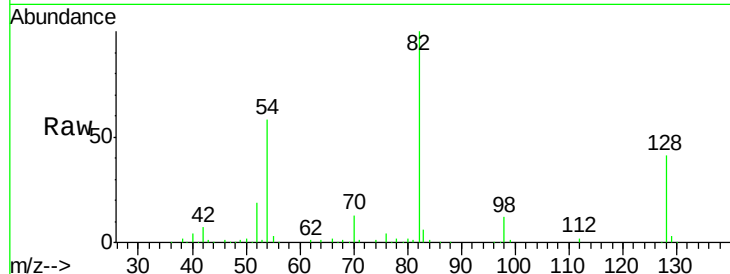




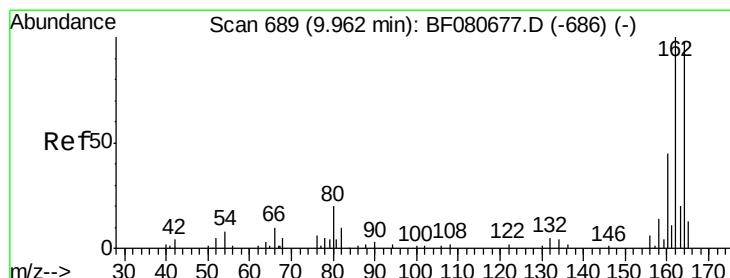
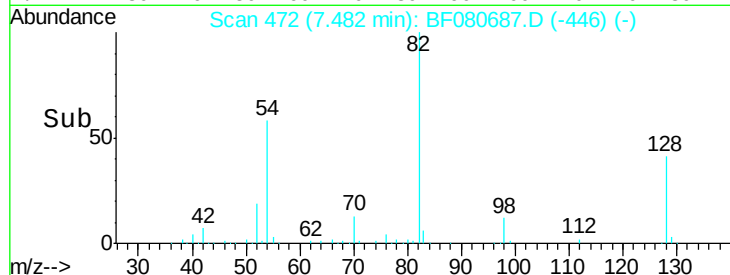
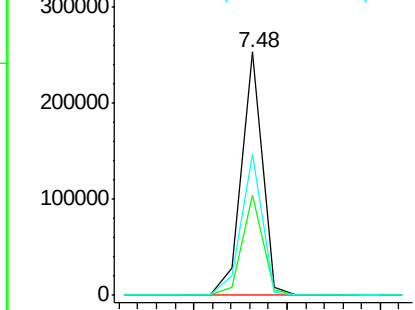
#23  
 Nitrobenzene-d5  
 Concen: 89.70 ng  
 RT: 7.48 min Scan# 472  
 Delta R.T. 0.00 min  
 Lab File: BF080687.D  
 Acq: 27 Jul 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DIN46-EFFLUENT-072315

Tot Ion: 82 Resp: 199480  
 Ion Ratio Lower Upper  
 82 100  
 128 41.3 33.7 50.5  
 54 57.9 47.3 70.9

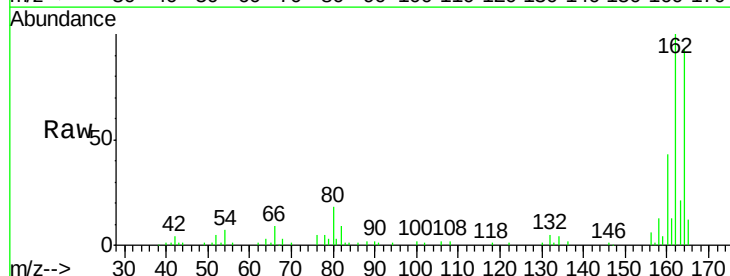


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

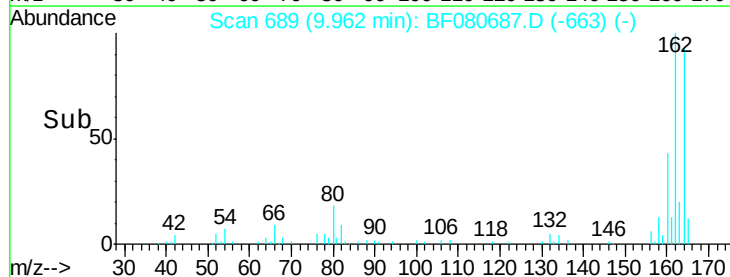
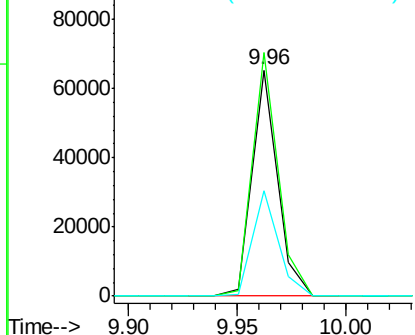


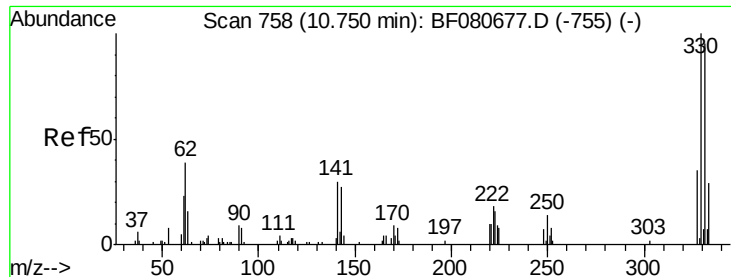
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: BF080687.D  
 Acq: 27 Jul 2015 23:35

Tgt Ion:164 Resp: 52946  
 Ion Ratio Lower Upper  
 164 100  
 162 107.7 82.0 123.0  
 160 46.3 36.7 55.1



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

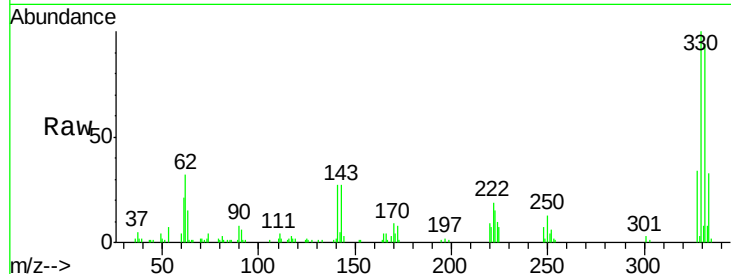




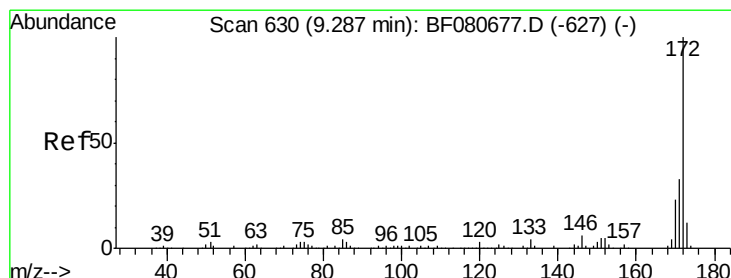
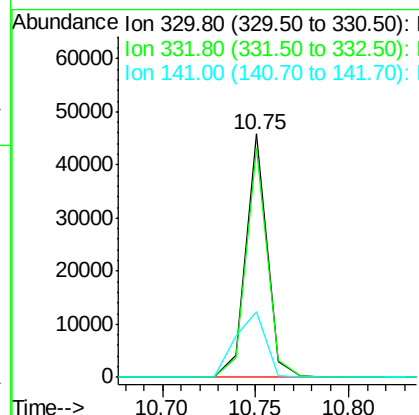
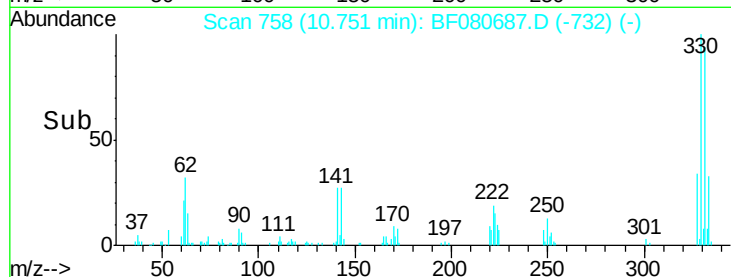
#41  
 2,4,6-Tribromophenol  
 Concen: 78.15 ng  
 RT: 10.75 min Scan# 758  
 Delta R.T. 0.00 min  
 Lab File: BF080687.D  
 Acq: 27 Jul 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DIN46-EFFLUENT-072315

| Tot Ion   | 330  | Resp  | 36590 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 330       | 100  |       |       |
| 332       | 95.0 | 76.9  | 115.3 |
| 141       | 38.4 | 30.6  | 45.8  |

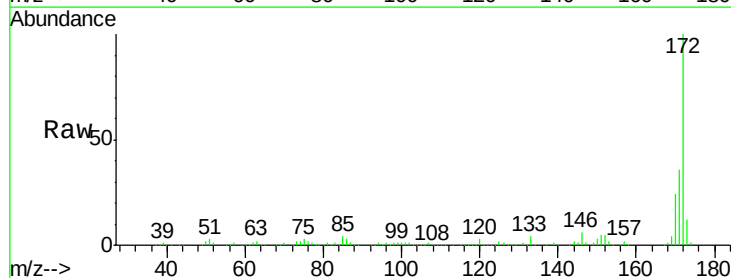


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

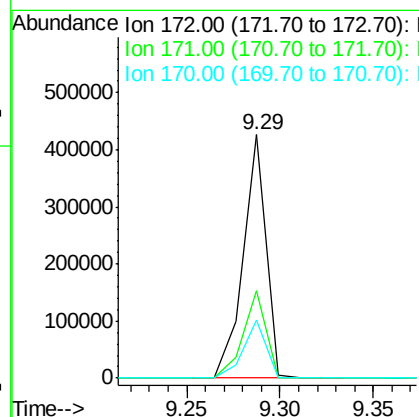
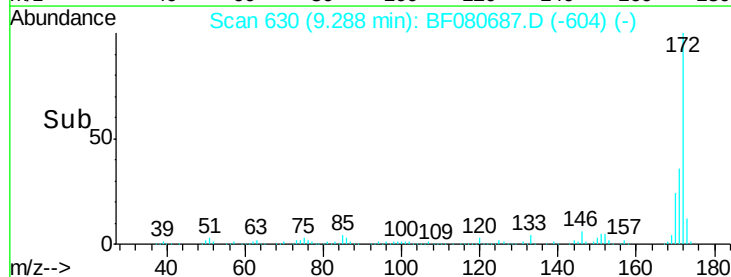


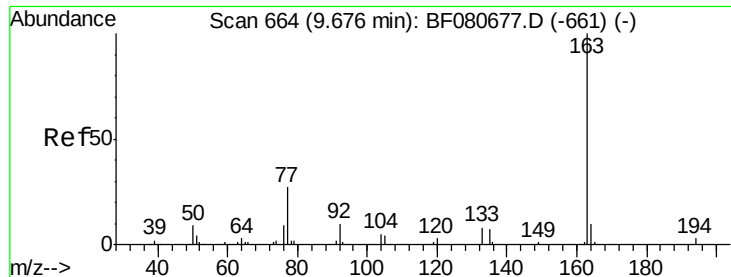
#44  
 2-Fluorobiphenyl  
 Concen: 86.31 ng  
 RT: 9.29 min Scan# 630  
 Delta R.T. 0.00 min  
 Lab File: BF080687.D  
 Acq: 27 Jul 2015 23:35

| Tgt Ion   | 172  | Resp  | 365143 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 172       | 100  |       |        |
| 171       | 35.8 | 26.6  | 39.8   |
| 170       | 23.6 | 18.6  | 28.0   |



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

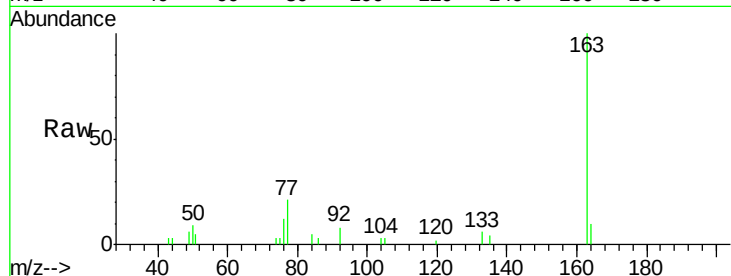




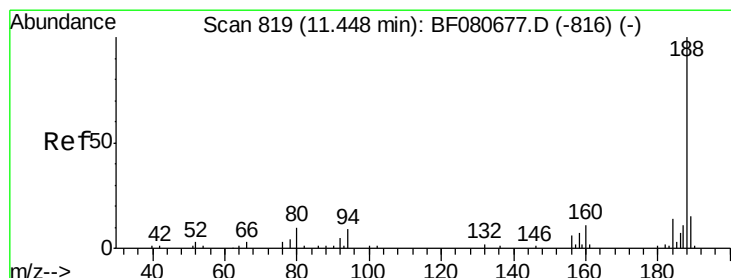
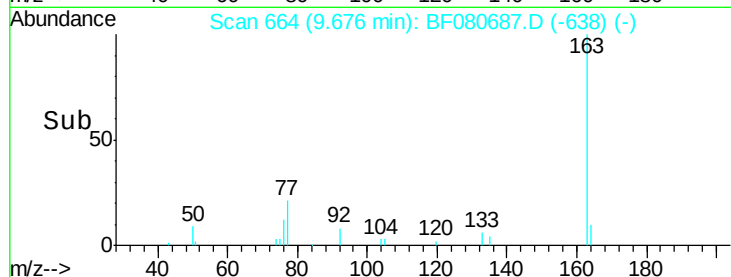
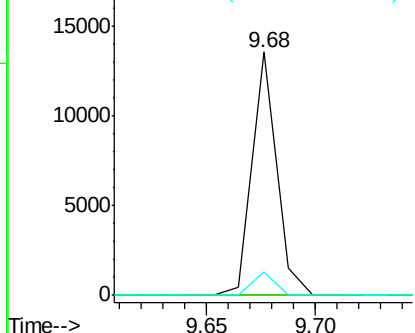
#49  
Dimethylphthalate  
Concen: 3.05 ng  
RT: 9.68 min Scan# 664  
Delta R.T. 0.00 min  
Lab File: BF080687.D  
Acq: 27 Jul 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
DIN46-EFFLUENT-072315

Tot Ion:163 Resp: 10680  
Ion Ratio Lower Upper  
163 100  
194 0.0 2.4 3.6#  
164 9.5 8.1 12.1

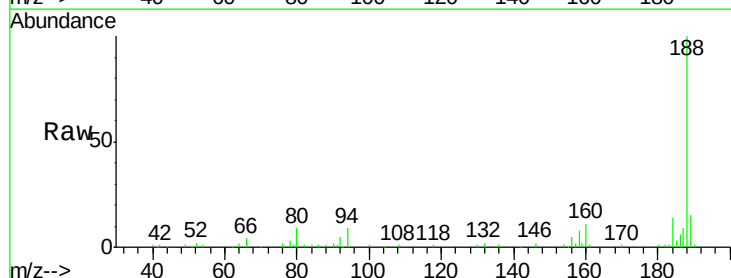


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

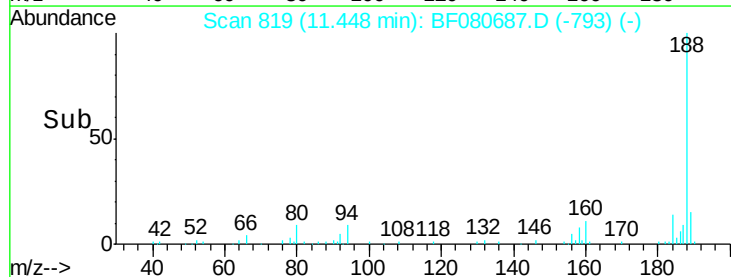
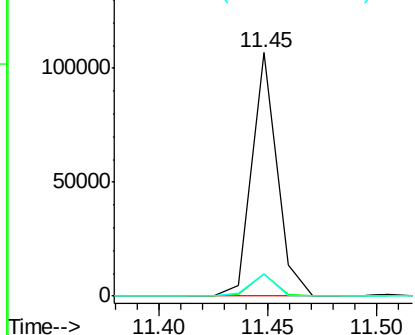


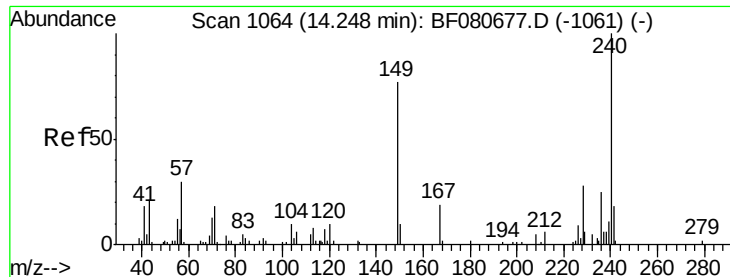
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.45 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: BF080687.D  
Acq: 27 Jul 2015 23:35

Tgt Ion:188 Resp: 85930  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.2 10.8  
80 9.2 8.2 12.2



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: 14.19 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Instrument :

BNA\_F

ClientSampleId :

DIN46-EFFLUENT-072315

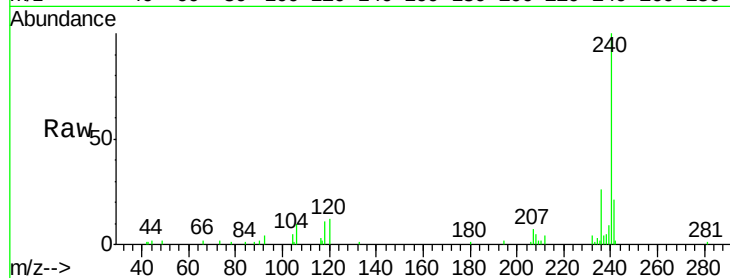
Tot Ion:240 Resp: 29641

Ion Ratio Lower Upper

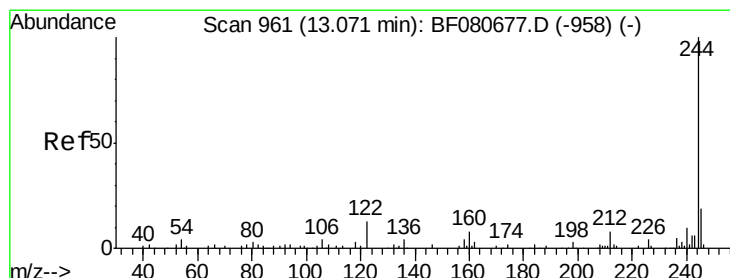
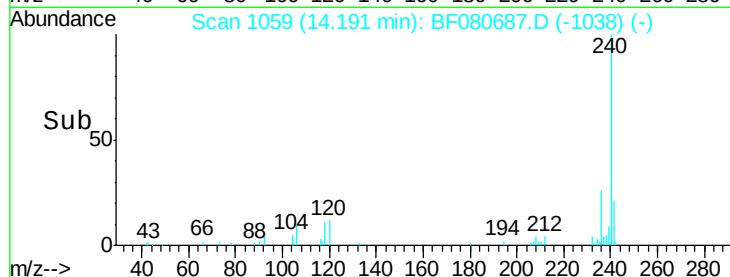
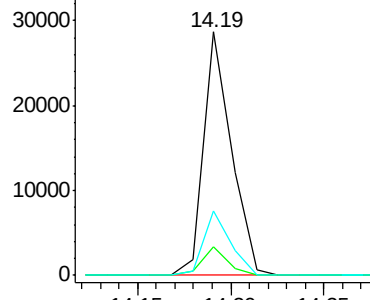
240 100

120 12.0 8.0 12.0

236 26.4 20.0 30.0



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: 115.74 ng

RT: 13.06 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

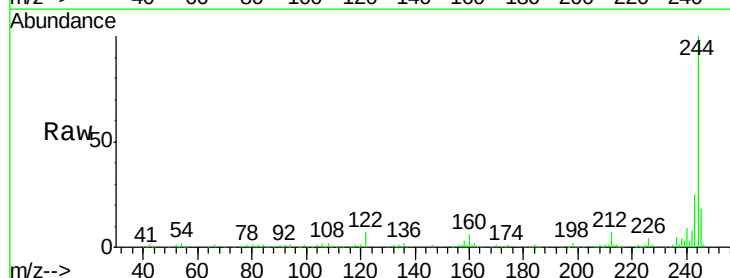
Tgt Ion:244 Resp: 201462

Ion Ratio Lower Upper

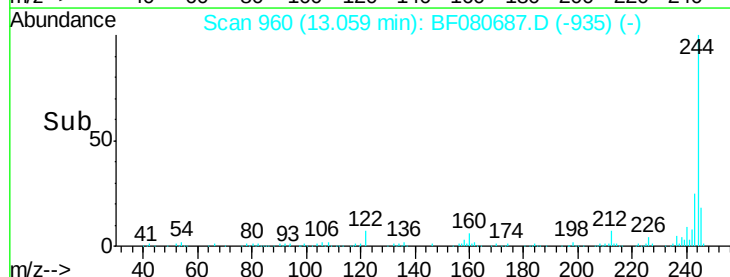
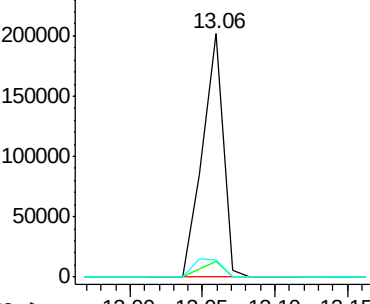
244 100

212 6.6 6.1 9.1

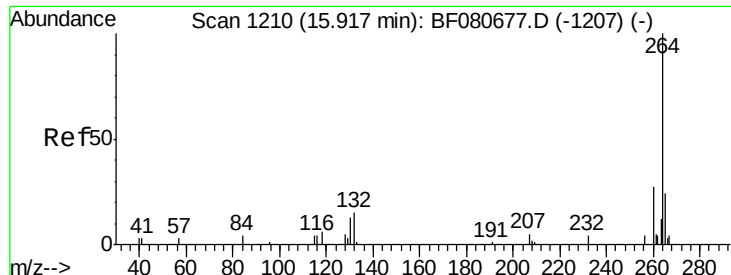
122 7.0 10.2 15.2#



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



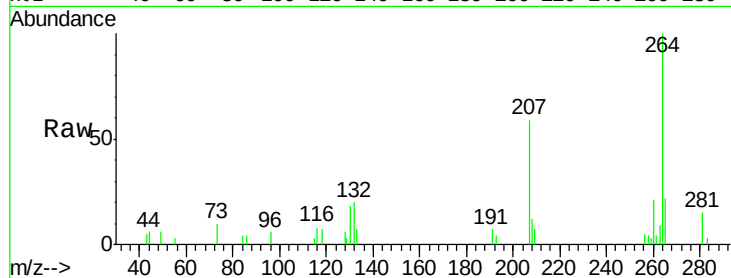




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.80 min Scan# 1200  
Delta R.T. -0.11 min  
Lab File: BF080687.D  
Acq: 27 Jul 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
DIN46-EFFLUENT-072315

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 20.8  | 21.6  | 32.4  |
| 265     | 22.0  | 19.3  | 28.9  |



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

