

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050216\  
 Data File : BF086625.D  
 Acq On : 2 May 2016 18:53  
 Operator : UM/SJ  
 Sample : H2716-12  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-4-CS-1(0-8FTBGS)

Quant Time: May 03 01:45:08 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 174309   | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8          | 8.04  | 136  | 755440   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10        | 9.79  | 164  | 374700   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10        | 11.26 | 188  | 727521   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12            | 13.89 | 240  | 618221   | 20.00  | ng    | -0.07    |
| 86) Perylene-d12            | 15.29 | 264  | 452456   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 948165   | 93.83  | ng    | -0.03    |
| 7) Phenol-d6                | 6.40  | 99   | 1293994  | 91.75  | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 972906   | 69.42  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 396695   | 100.39 | ng    | -0.06    |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1495096  | 66.33  | ng    | -0.06    |
| 78) Terphenyl-d14           | 12.85 | 244  | 1755571  | 62.56  | ng    | -0.06    |

Target Compounds Qvalue

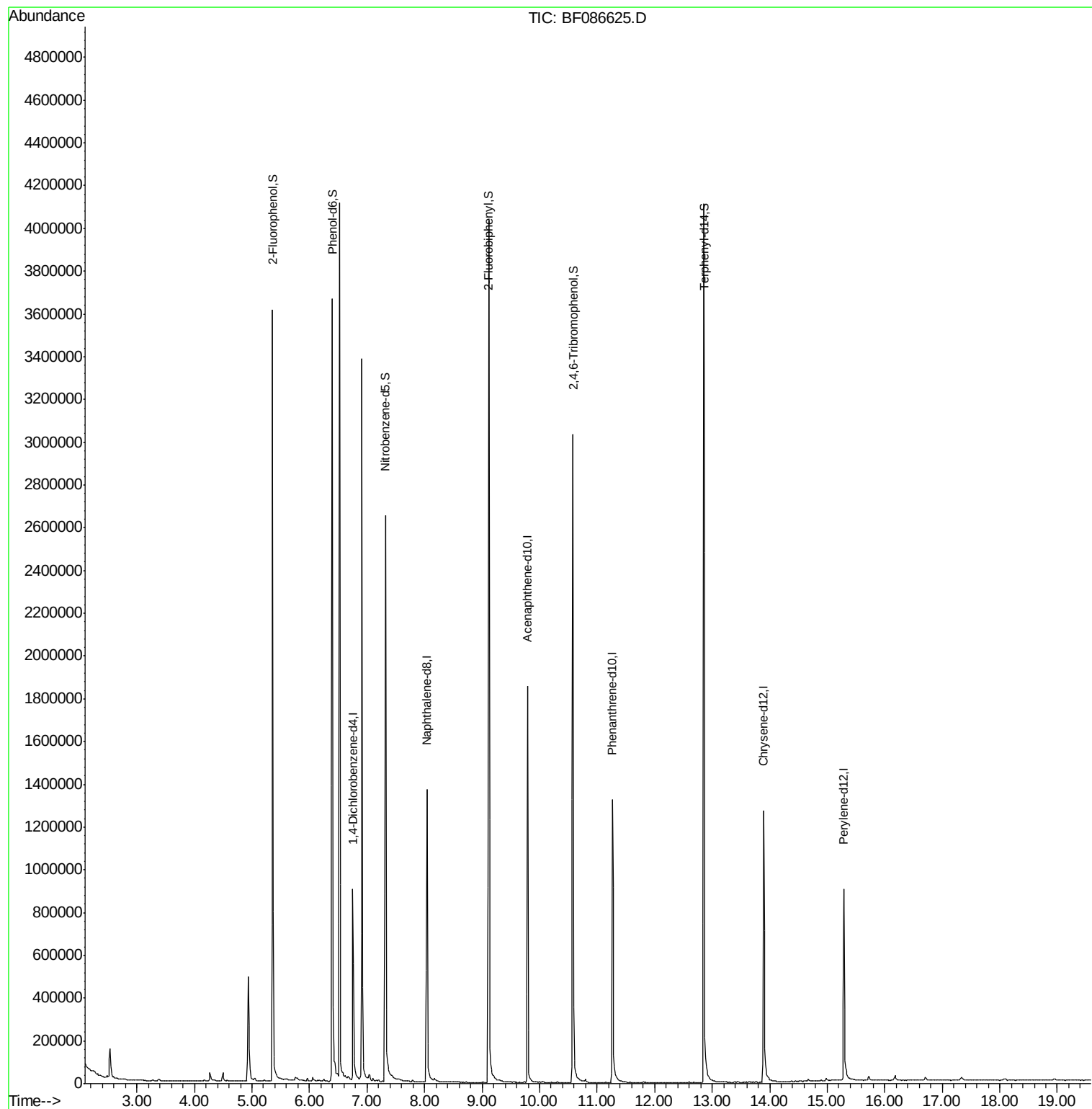
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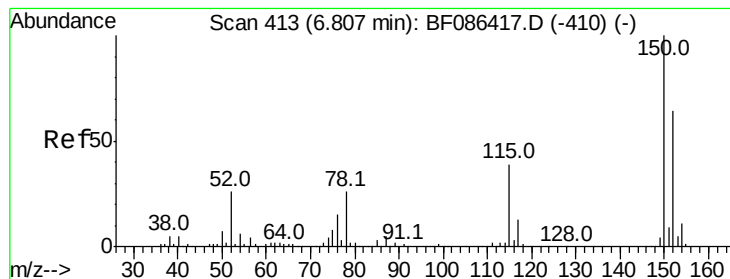
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-4-CS-1(0-8FTBGS)

Quant Time: May 03 01:45:08 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 27 14:20:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA\_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

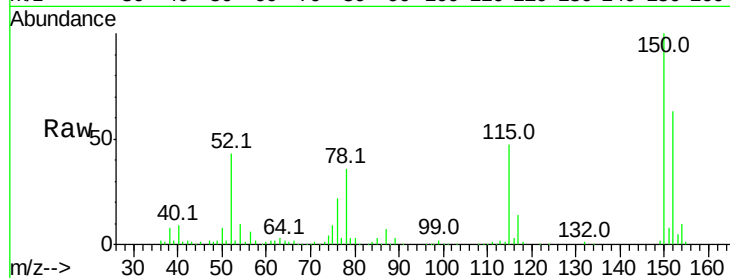
Tot Ion:152 Resp: 174309

Ion Ratio Lower Upper

152 100

150 160.0 125.8 188.6

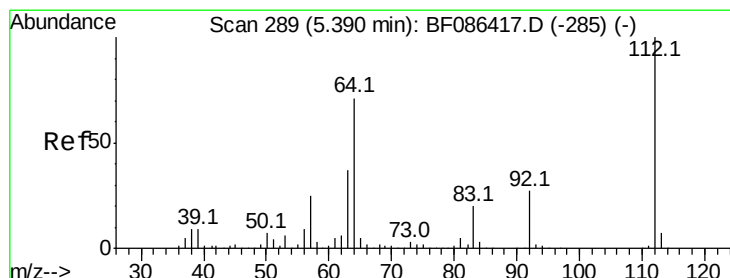
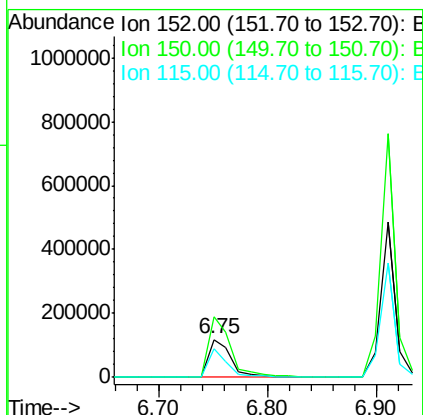
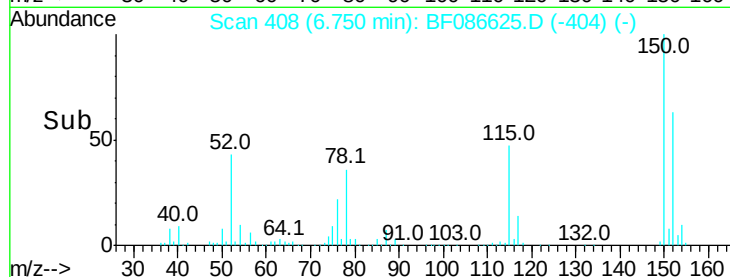
115 74.8 51.5 77.3



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: 93.83 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.03 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

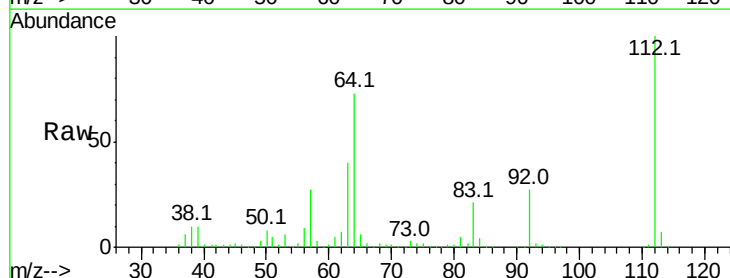
Tgt Ion:112 Resp: 948165

Ion Ratio Lower Upper

112 100

64 73.5 52.1 78.1

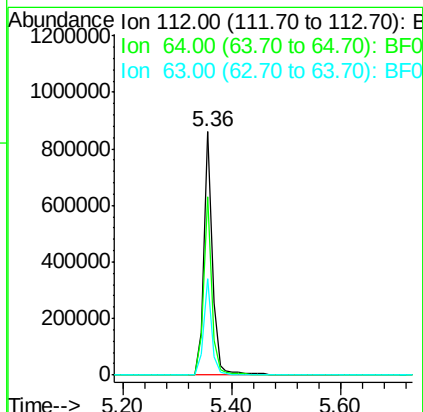
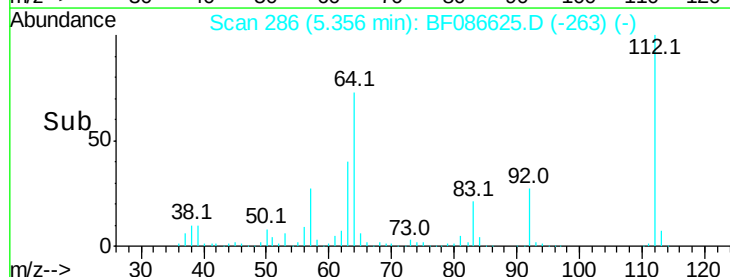
63 39.8 25.7 38.5#

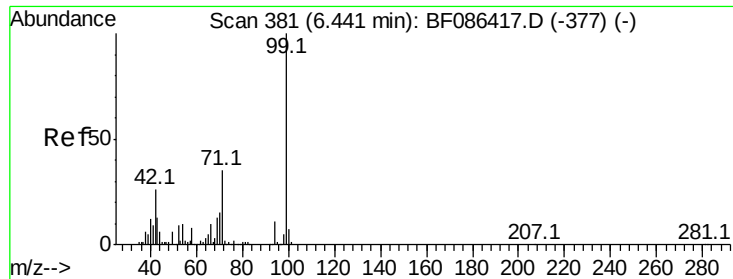


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.75 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA\_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

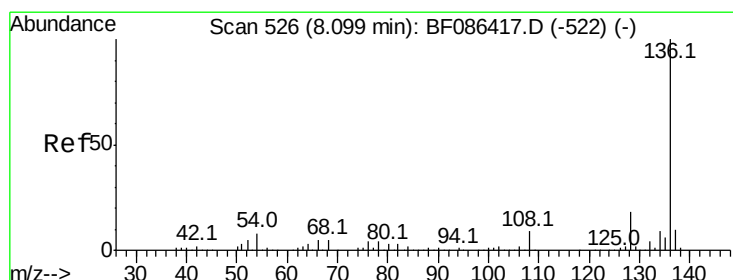
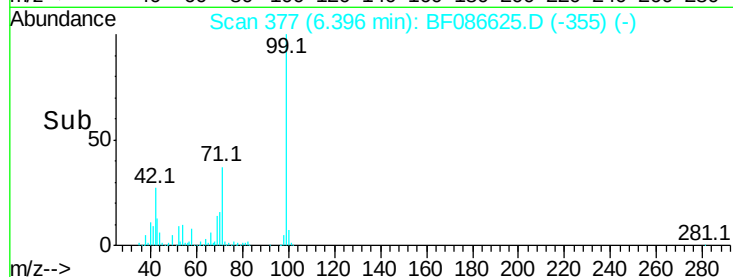
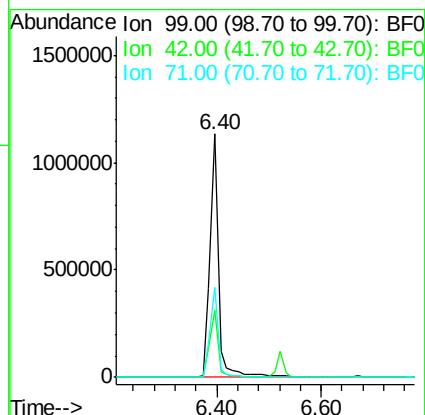
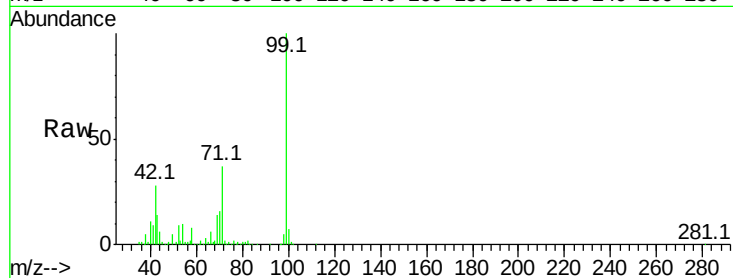
Tot Ion: 99 Resp: 1293994

Ion Ratio Lower Upper

99 100

42 27.6 13.6 20.4#

71 37.2 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Tgt Ion: 136 Resp: 755440

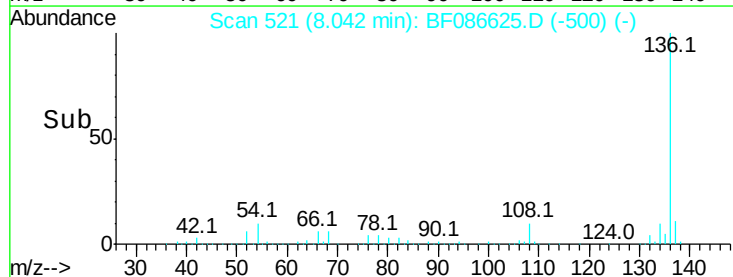
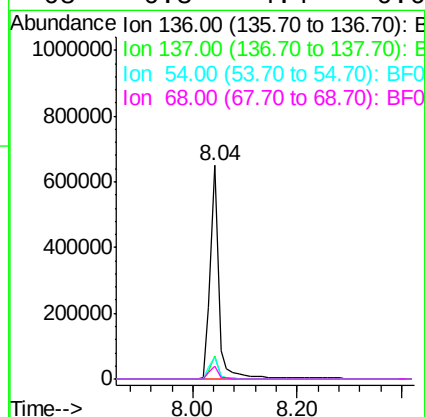
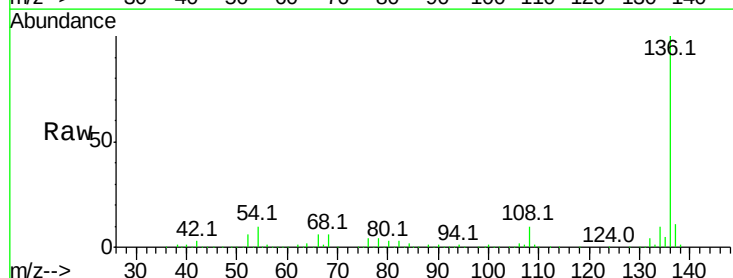
Ion Ratio Lower Upper

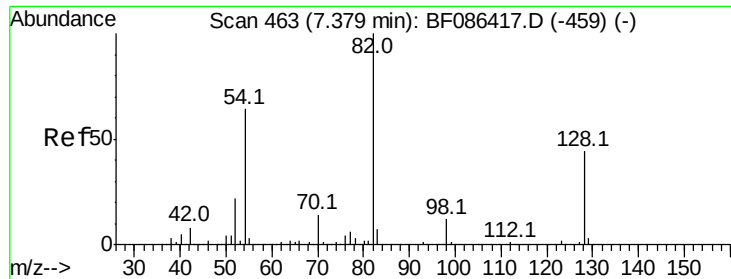
136 100

137 10.8 8.8 13.2

54 10.5 5.0 7.4#

68 6.3 4.4 6.6

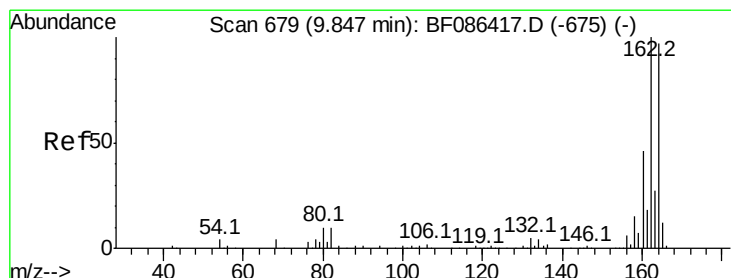
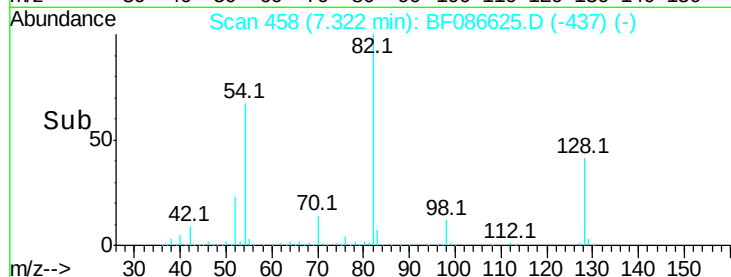
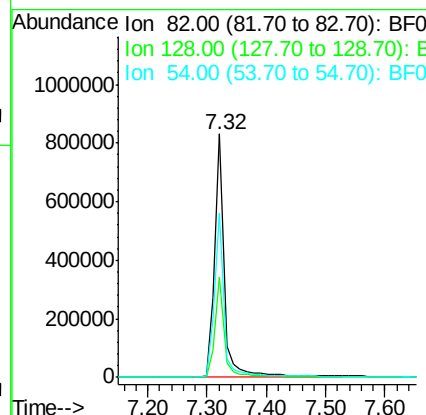
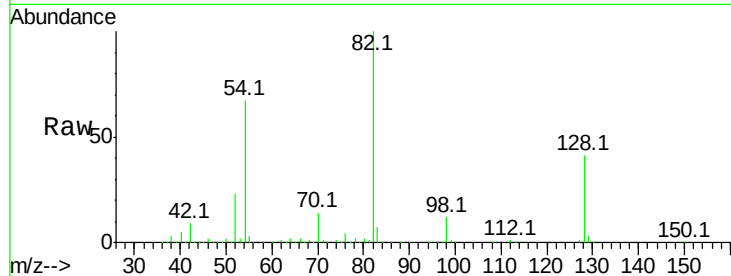




#23  
 Nitrobenzene-d5  
 Concen: 69.42 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.06 min  
 Lab File: BF086625.D  
 Acq: 2 May 2016 18:53

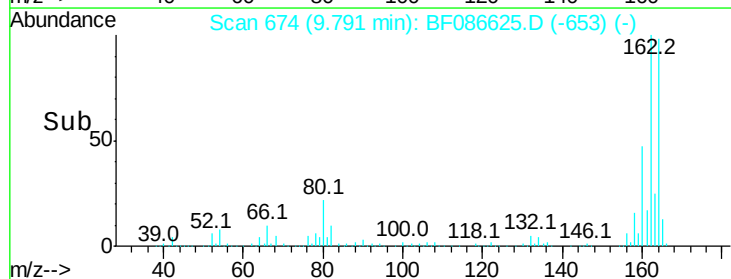
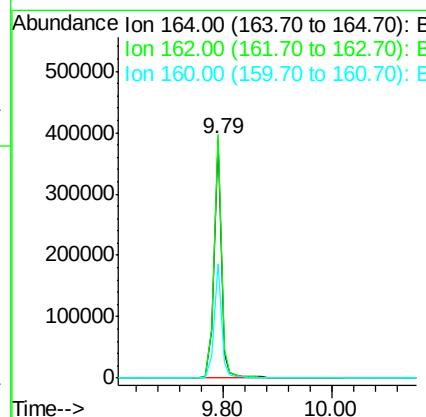
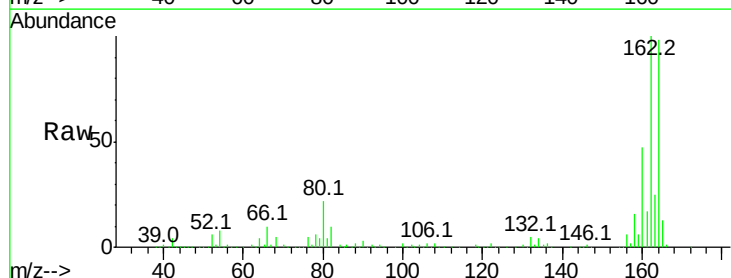
Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-4-CS-1(0-8FTBGS)

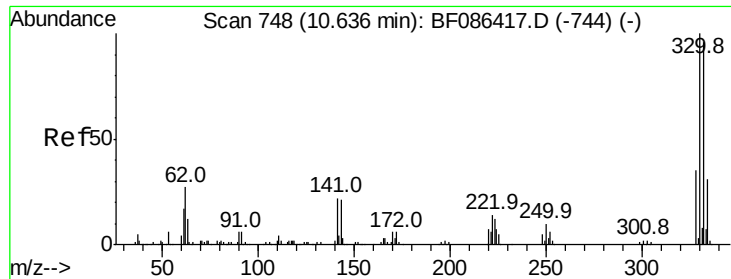
Tot Ion: 82 Resp: 972906  
 Ion Ratio Lower Upper  
 82 100  
 128 41.2 40.6 61.0  
 54 67.4 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.79 min Scan# 674  
 Delta R.T. -0.06 min  
 Lab File: BF086625.D  
 Acq: 2 May 2016 18:53

Tgt Ion: 164 Resp: 374700  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 82.8 124.2  
 160 48.0 36.9 55.3

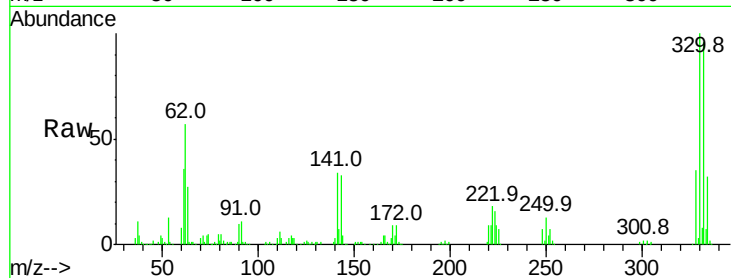




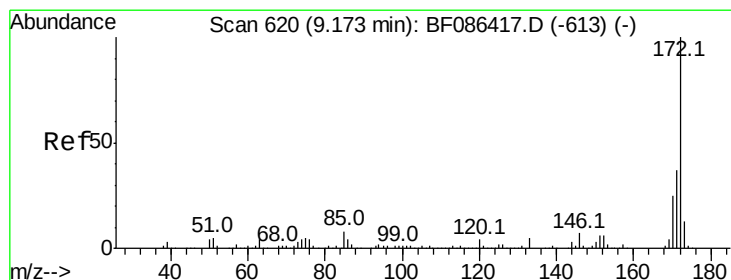
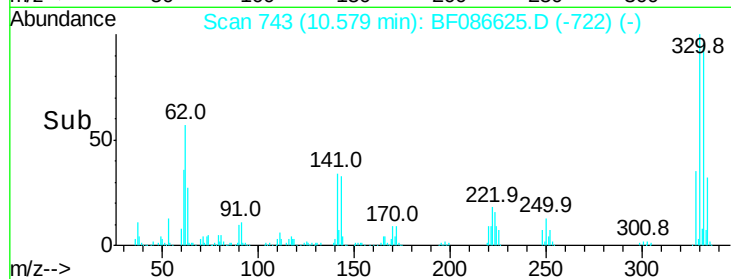
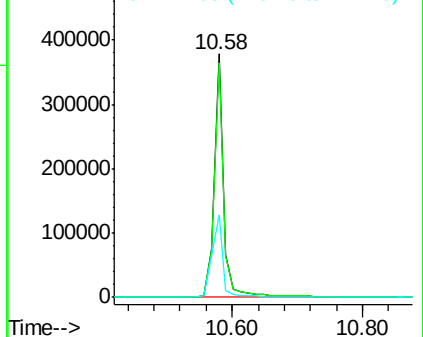
#41  
 2,4,6-Tribromophenol  
 Concen: 100.39 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.06 min  
 Lab File: BF086625.D  
 Acq: 2 May 2016 18:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-4-CS-1(0-8FTBGS)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 79.0  | 118.4 |
| 141     | 39.4  | 31.2  | 46.8  |

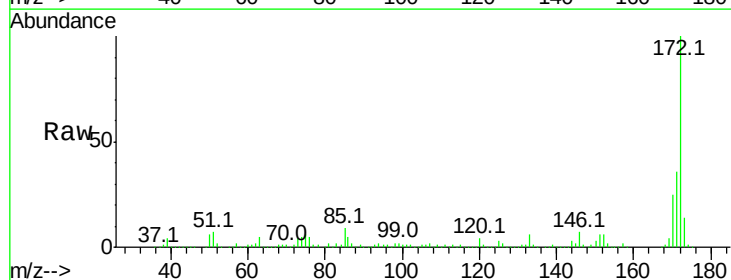


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

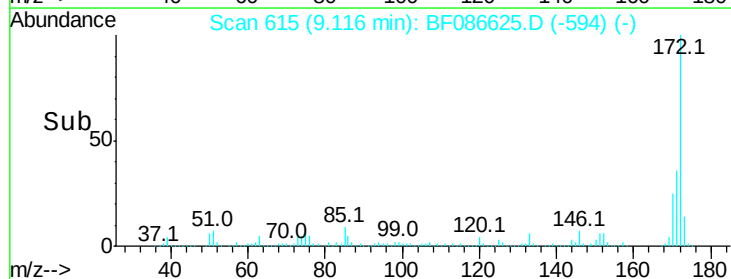
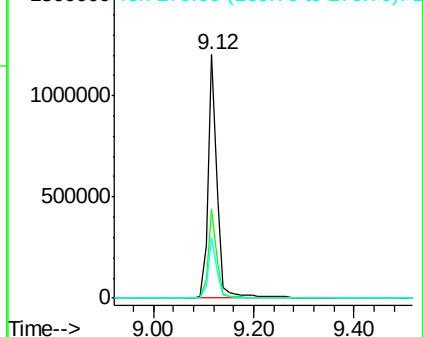


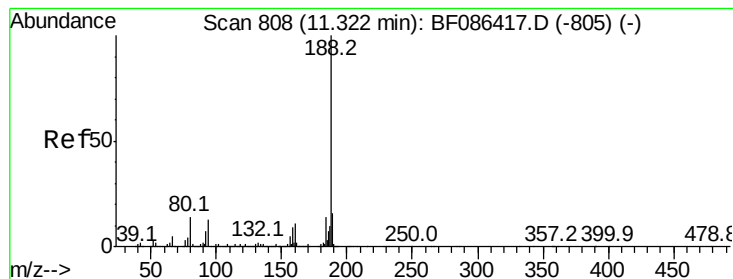
#44  
 2-Fluorobiphenyl  
 Concen: 66.33 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.06 min  
 Lab File: BF086625.D  
 Acq: 2 May 2016 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.0  | 43.6  |
| 170     | 24.9  | 19.8  | 29.8  |



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA\_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

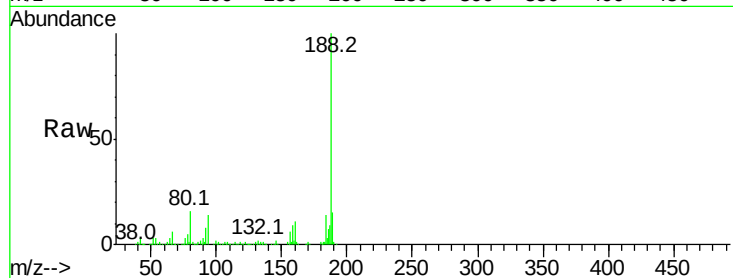
Tot Ion:188 Resp: 727521

Ion Ratio Lower Upper

188 100

94 14.4 6.8 10.2#

80 16.2 7.1 10.7#

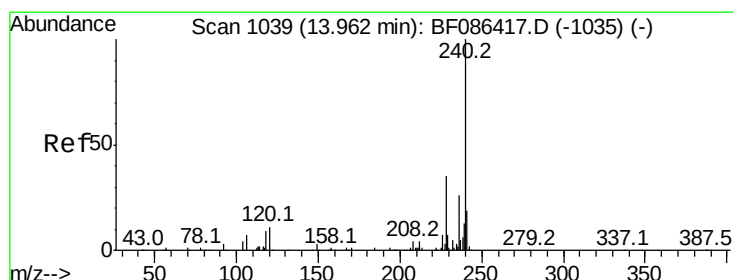
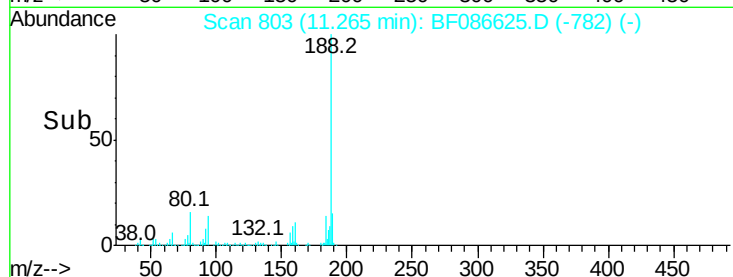
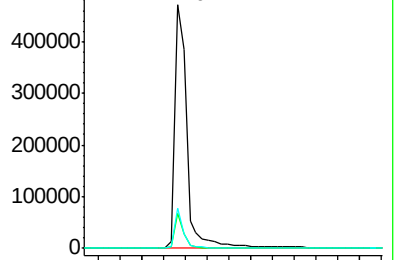


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.26



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

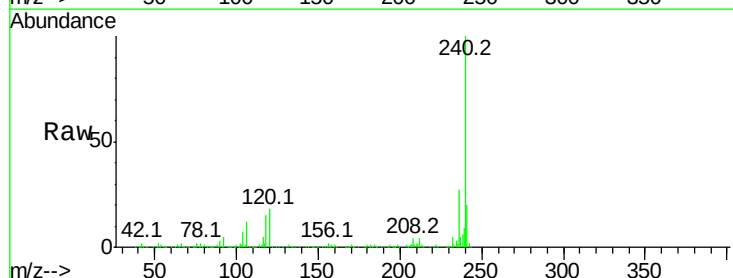
Tgt Ion:240 Resp: 618221

Ion Ratio Lower Upper

240 100

120 17.5 11.2 16.8#

236 26.7 21.2 31.8

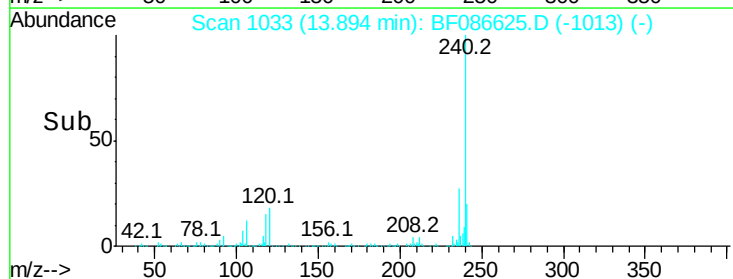
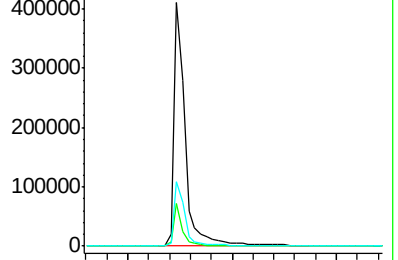


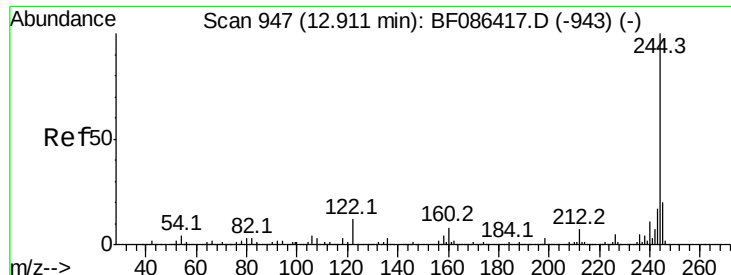
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.89

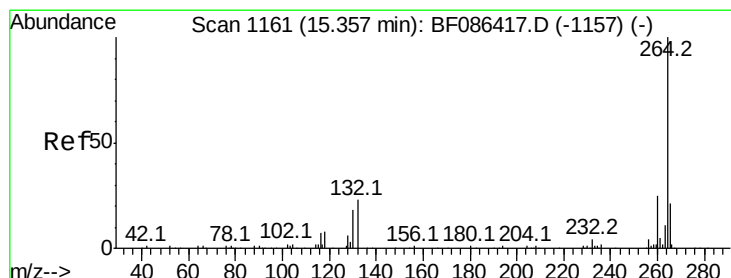
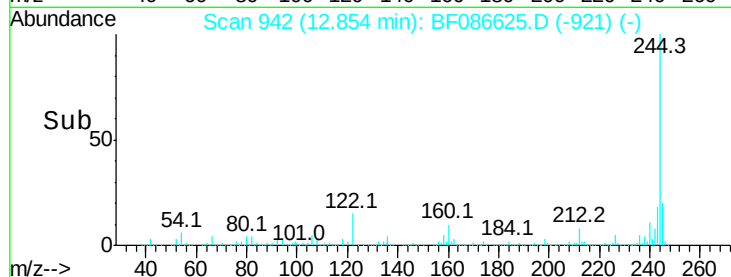
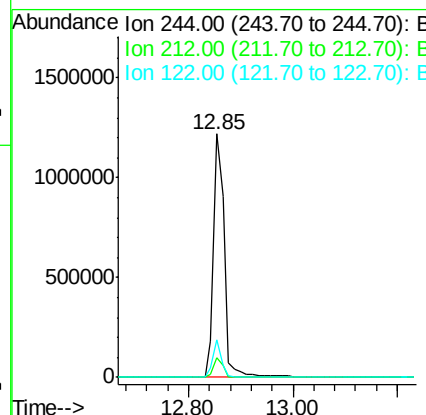
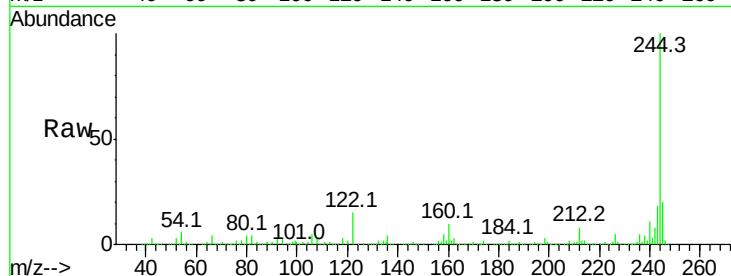




#78  
 Terphenyl-d14  
 Concen: 62.56 ng  
 RT: 12.85 min Scan# 942  
 Delta R.T. -0.06 min  
 Lab File: BF086625.D  
 Acq: 2 May 2016 18:53

Instrument :  
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Tot Ion:244 Resp: 1755571  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.2 9.2  
 122 15.5 12.0 18.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.29 min Scan# 1155  
 Delta R.T. -0.07 min  
 Lab File: BF086625.D  
 Acq: 2 May 2016 18:53

Tgt Ion:264 Resp: 452456  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.5 29.3  
 265 21.1 17.3 25.9

