

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050216\  
 Data File : BF086617.D  
 Acq On : 2 May 2016 15:03  
 Operator : UM/SJ  
 Sample : H2716-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-3(0-12FTBGS)

Quant Time: May 03 01:33:53 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

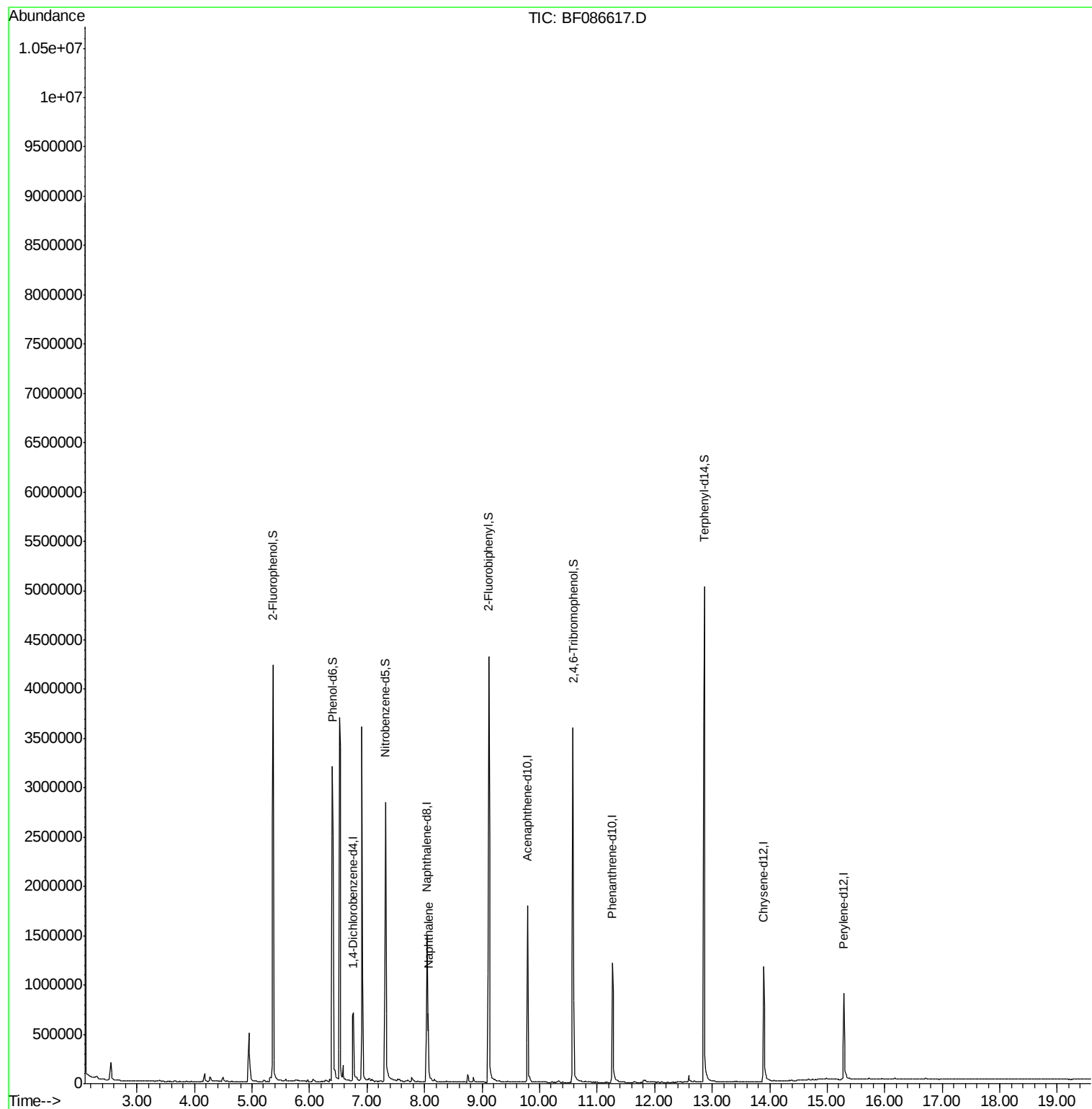
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 166402   | 20.00  | ng    | -0.05        |
| 21) Naphthalene-d8          | 8.04  | 136  | 721679   | 20.00  | ng    | -0.06        |
| 38) Acenaphthene-d10        | 9.79  | 164  | 357089   | 20.00  | ng    | -0.06        |
| 63) Phenanthrene-d10        | 11.26 | 188  | 678815   | 20.00  | ng    | -0.06        |
| 75) Chrysene-d12            | 13.89 | 240  | 589098   | 20.00  | ng    | -0.07        |
| 86) Perylene-d12            | 15.29 | 264  | 441911   | 20.00  | ng    | -0.07        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.37  | 112  | 1286699  | 133.38 | ng    | -0.02        |
| 7) Phenol-d6                | 6.40  | 99   | 1585120  | 117.73 | ng    | -0.05        |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 1098191  | 82.02  | ng    | -0.06        |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 489826   | 130.07 | ng    | -0.06        |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1900876  | 95.64  | ng    | -0.06        |
| 78) Terphenyl-d14           | 12.87 | 244  | 2169214  | 81.12  | ng    | -0.05        |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.06  | 128  | 388430   | 10.58  | ng    | Qvalue<br>99 |

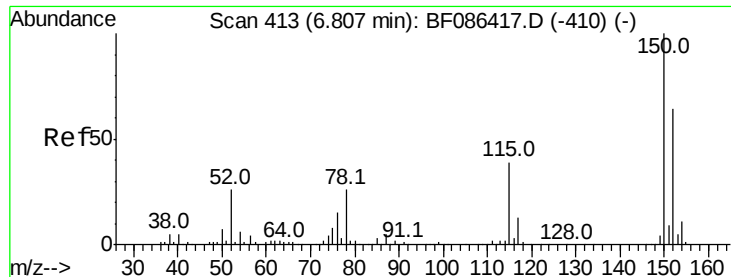
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050216\  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
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26WARD-3-CS-3(0-12FTBGS)

Quant Time: May 03 01:33:53 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
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QLast Update : Wed Apr 27 14:20:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

Instrument :

BNA\_F

ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

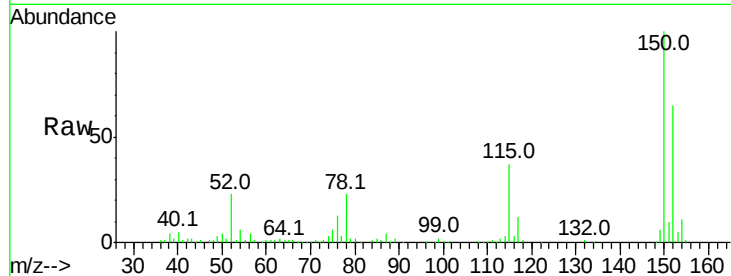
Tot Ion:152 Resp: 166402

Ion Ratio Lower Upper

152 100

150 152.7 125.8 188.6

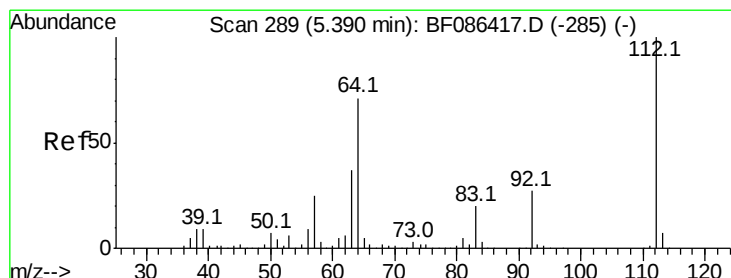
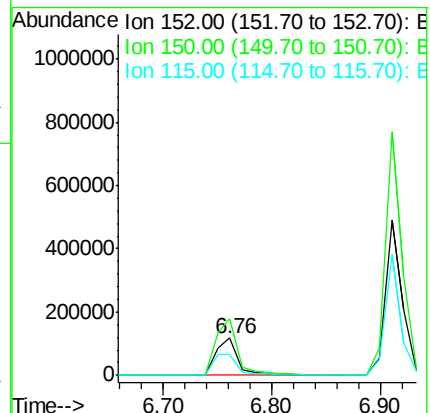
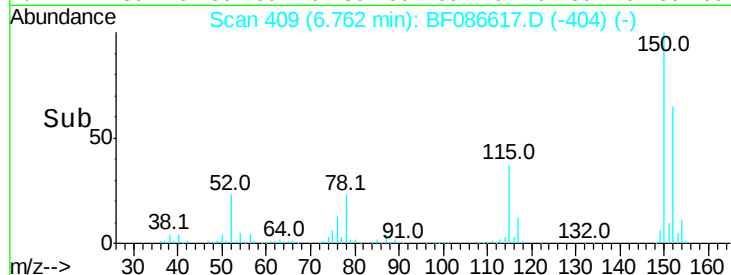
115 56.4 51.5 77.3



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: 133.38 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

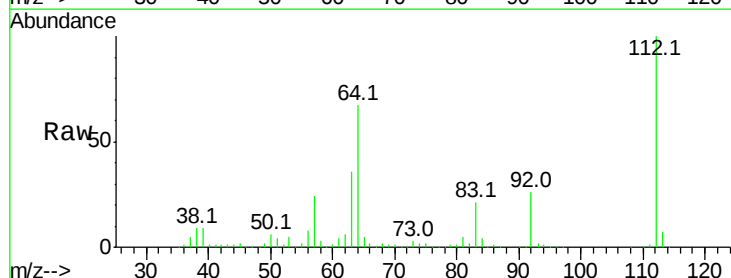
Tgt Ion:112 Resp: 1286699

Ion Ratio Lower Upper

112 100

64 66.9 52.1 78.1

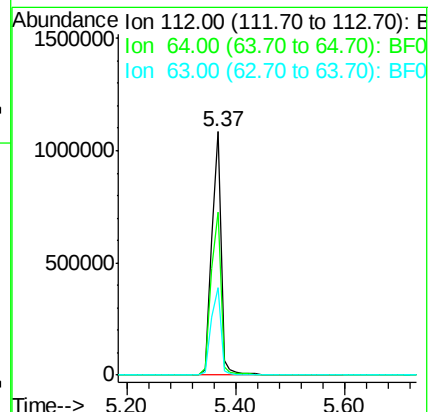
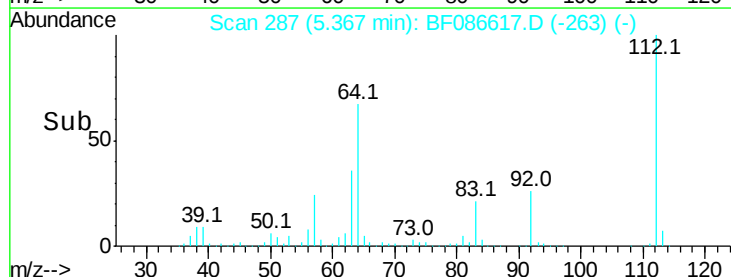
63 36.1 25.7 38.5



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: 117.73 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

Instrument :

BNA\_F

ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

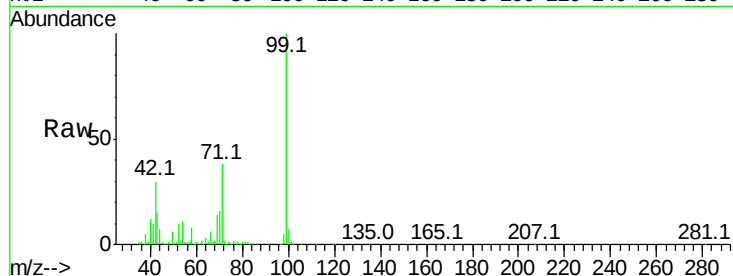
Tot Ion: 99 Resp: 1585120

Ion Ratio Lower Upper

99 100

42 29.9 13.6 20.4#

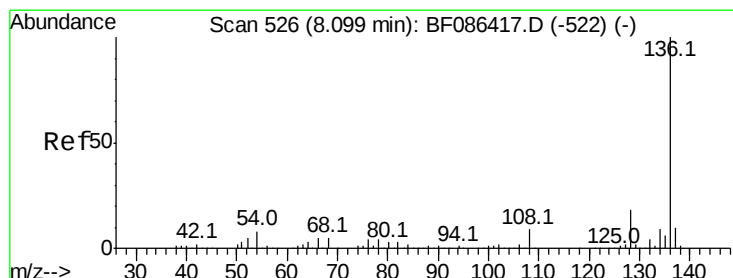
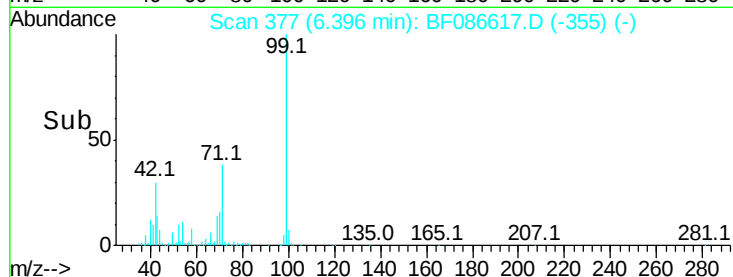
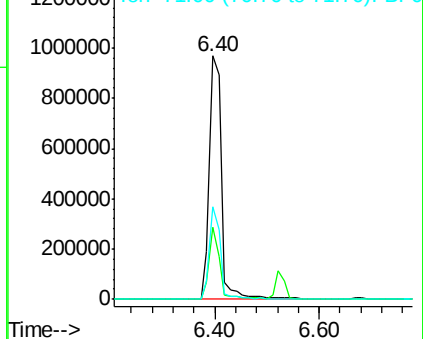
71 38.2 24.6 36.8#



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: 8.04 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

Tgt Ion: 136 Resp: 721679

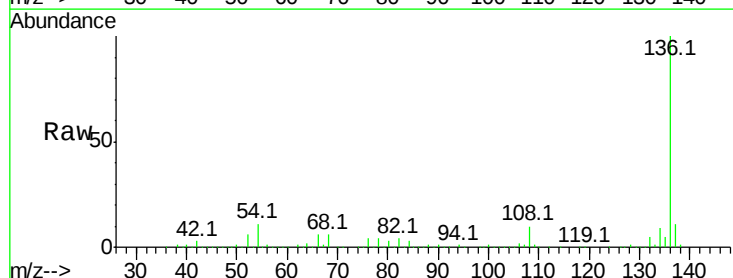
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 10.8 5.0 7.4#

68 6.3 4.4 6.6

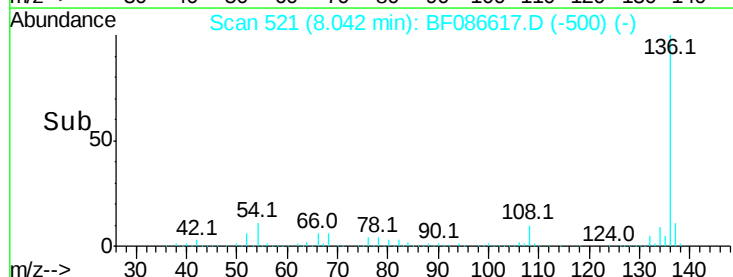
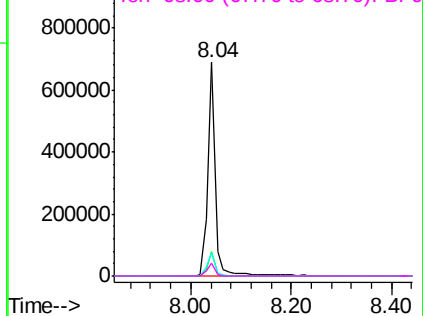


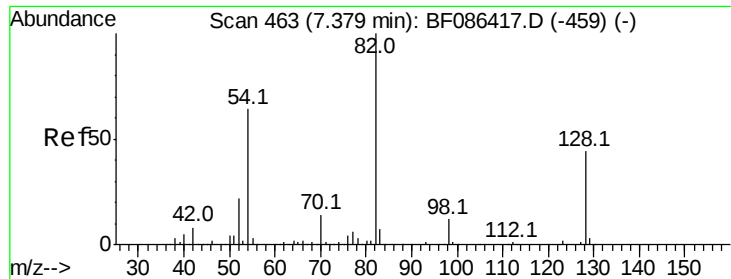
Abundance Ion 136.00 (135.70 to 136.70): E

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

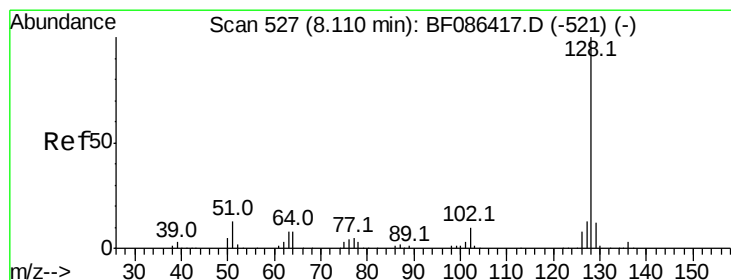
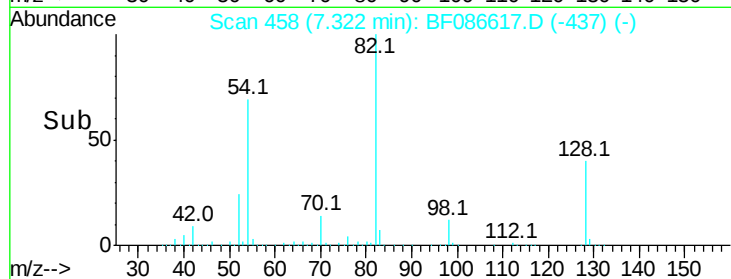
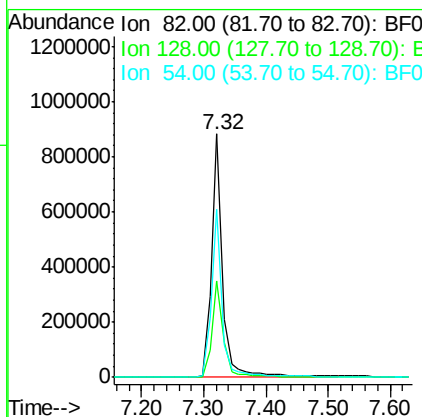
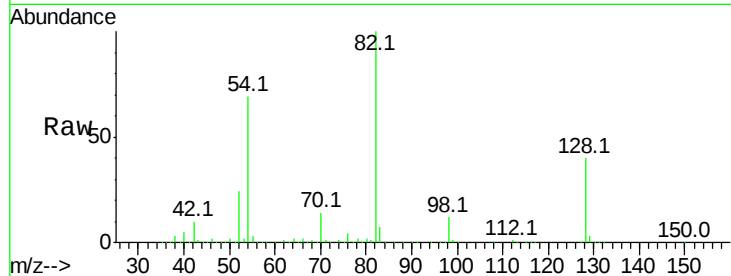




#23  
 Nitrobenzene-d5  
 Concen: 82.02 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.06 min  
 Lab File: BF086617.D  
 Acq: 2 May 2016 15:03

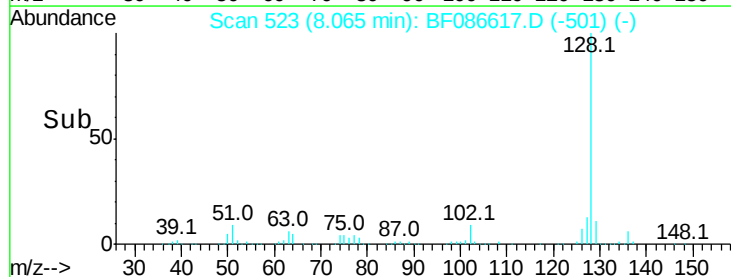
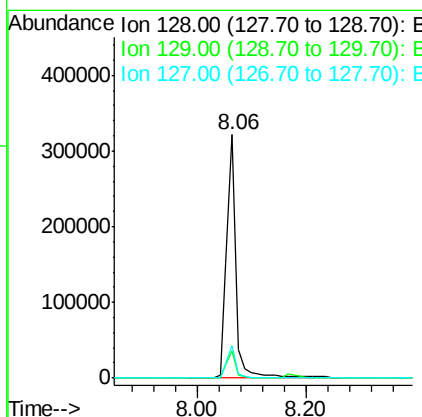
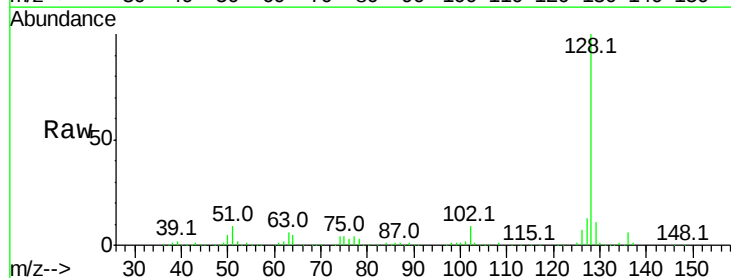
Instrument :  
 BNA\_F  
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 26WARD-3-CS-3(0-12FTBGS)

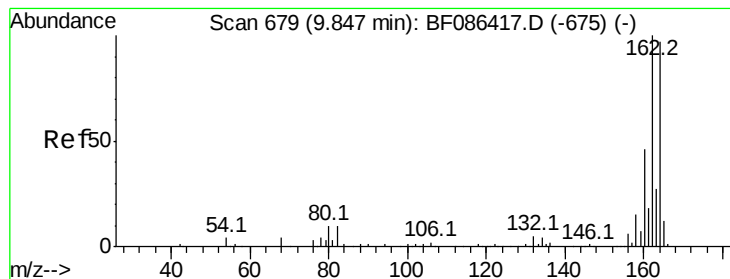
Tot Ion: 82 Resp: 1098191  
 Ion Ratio Lower Upper  
 82 100  
 128 39.6 40.6 61.0#  
 54 69.2 38.1 57.1#



#31  
 Naphthalene  
 Concen: 10.58 ng  
 RT: 8.06 min Scan# 523  
 Delta R.T. -0.05 min  
 Lab File: BF086617.D  
 Acq: 2 May 2016 15:03

Tgt Ion: 128 Resp: 388430  
 Ion Ratio Lower Upper  
 128 100  
 129 11.0 8.6 13.0  
 127 13.1 10.8 16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.06 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

Instrument :

BNA\_F

ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

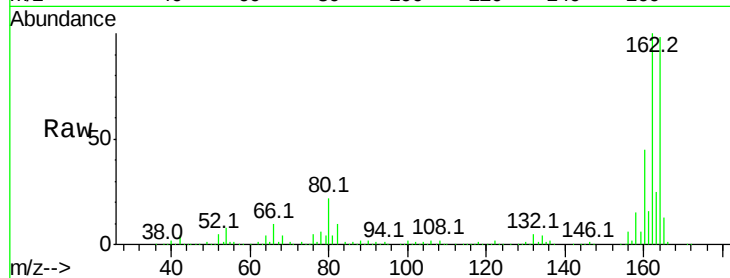
Tot Ion:164 Resp: 357089

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

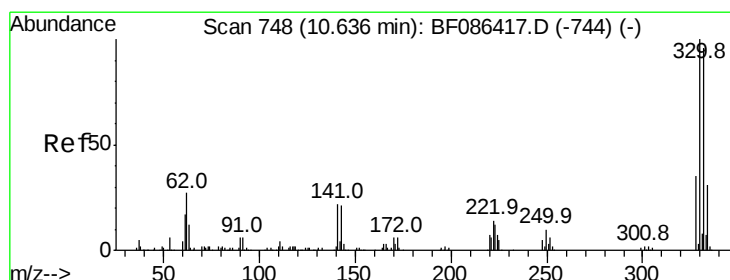
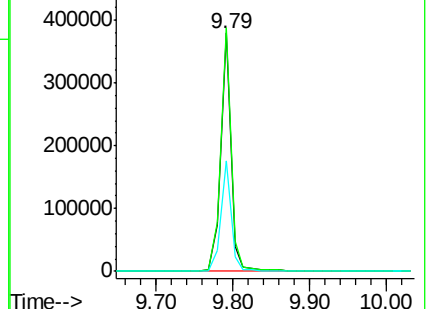
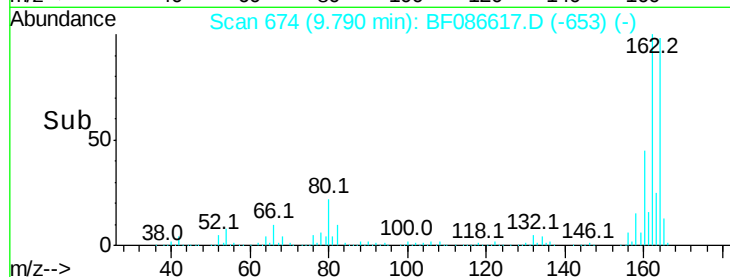
160 46.3 36.9 55.3



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: 130.07 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.06 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

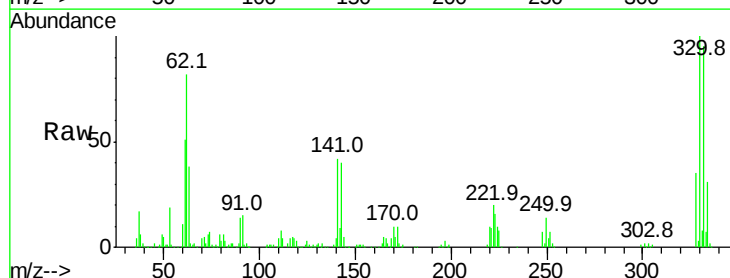
Tgt Ion:330 Resp: 489826

Ion Ratio Lower Upper

330 100

332 95.8 79.0 118.4

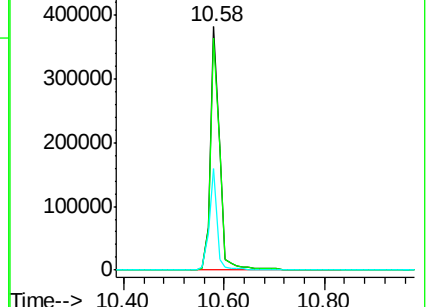
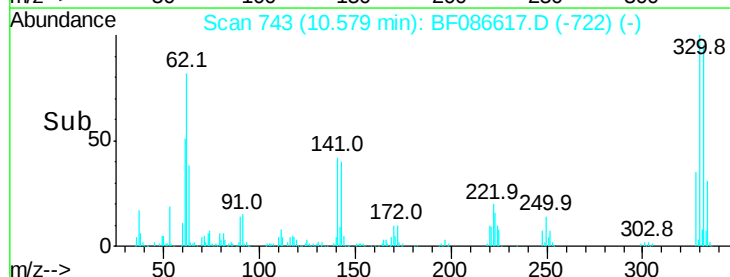
141 36.2 31.2 46.8

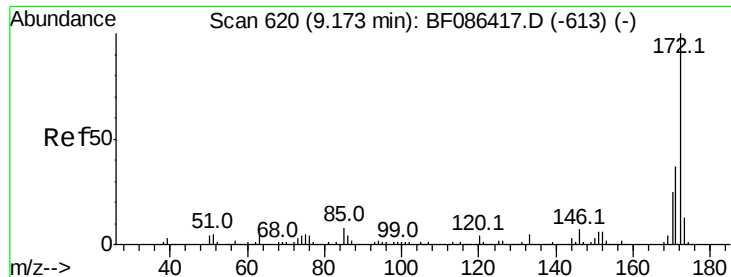


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

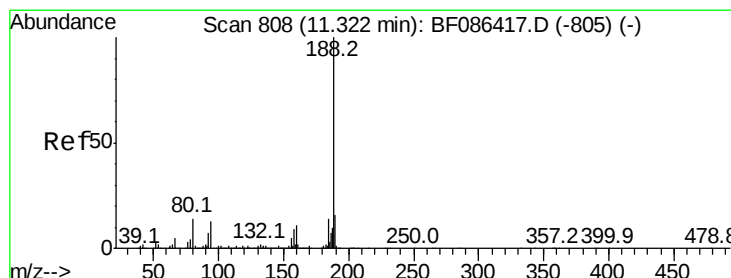
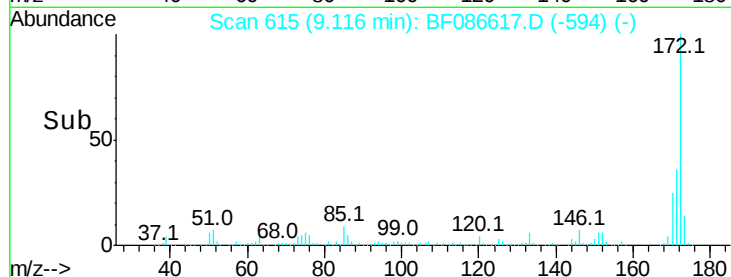
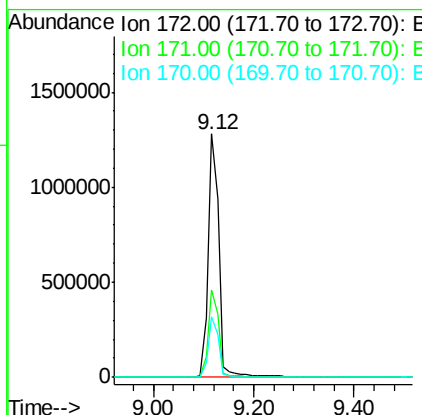
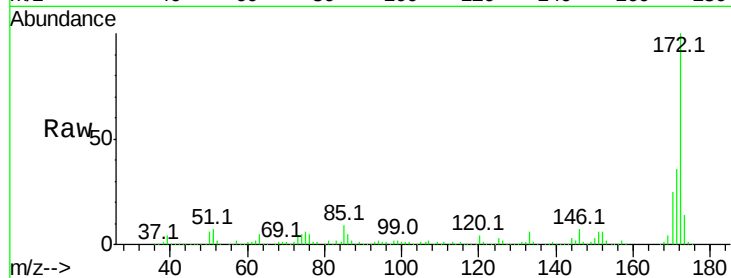




#44  
 2-Fluorobiphenyl  
 Concen: 95.64 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.06 min  
 Lab File: BF086617.D  
 Acq: 2 May 2016 15:03

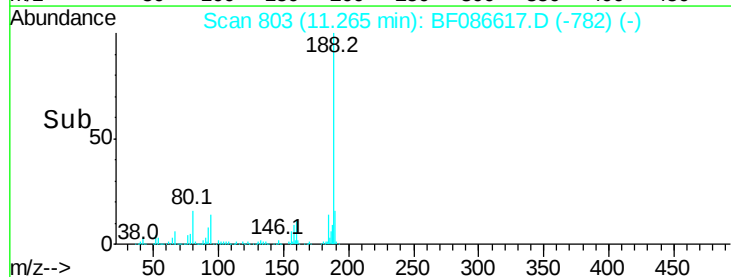
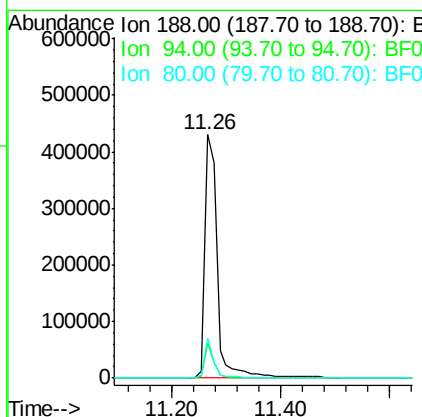
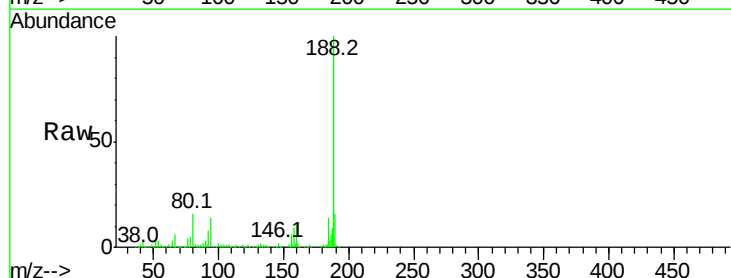
Instrument :  
 BNA\_F  
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 26WARD-3-CS-3(0-12FTBGS)

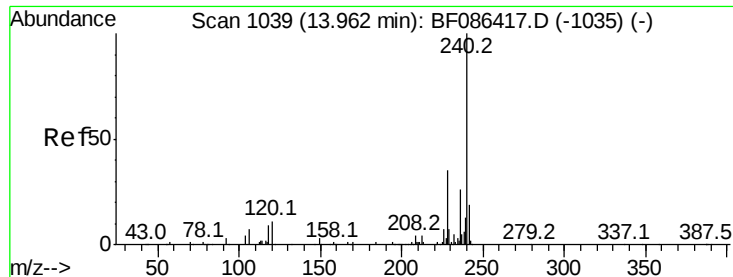
Tot Ion:172 Resp: 1900876  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.0 43.6  
 170 24.7 19.8 29.8



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.26 min Scan# 803  
 Delta R.T. -0.06 min  
 Lab File: BF086617.D  
 Acq: 2 May 2016 15:03

Tgt Ion:188 Resp: 678815  
 Ion Ratio Lower Upper  
 188 100  
 94 14.5 6.8 10.2#  
 80 16.2 7.1 10.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

Instrument :

BNA\_F

ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

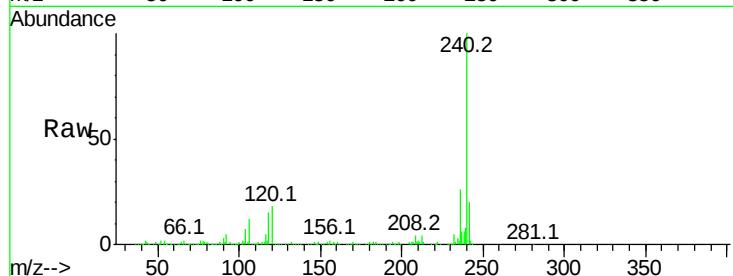
Tot Ion:240 Resp: 589098

Ion Ratio Lower Upper

240 100

120 17.7 11.2 16.8#

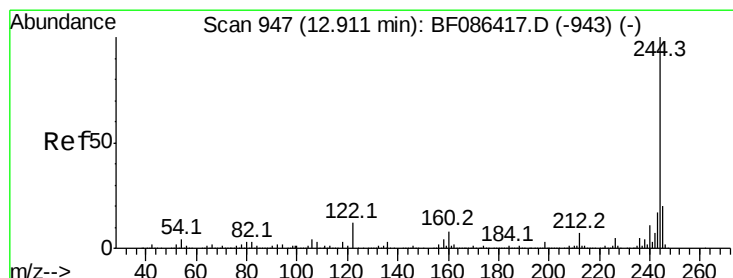
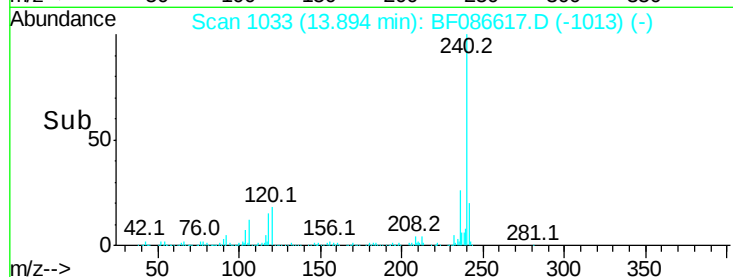
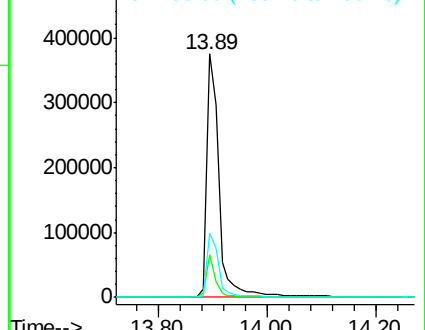
236 26.4 21.2 31.8



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



#78

Terphenyl-d14

Concen: 81.12 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086617.D

Acq: 2 May 2016 15:03

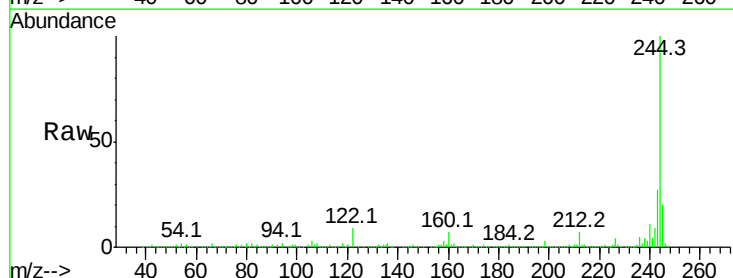
Tgt Ion:244 Resp: 2169214

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

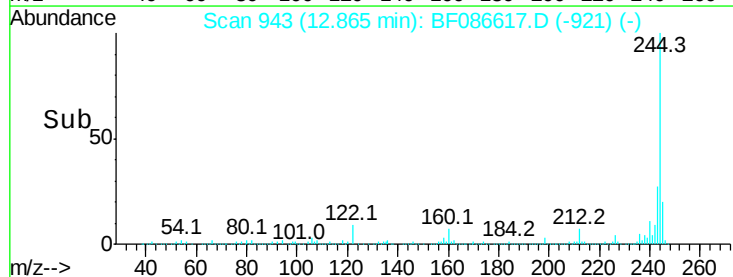
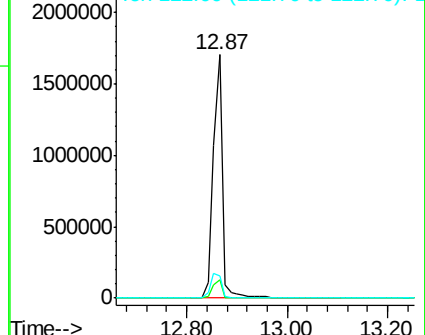
122 9.3 12.0 18.0#

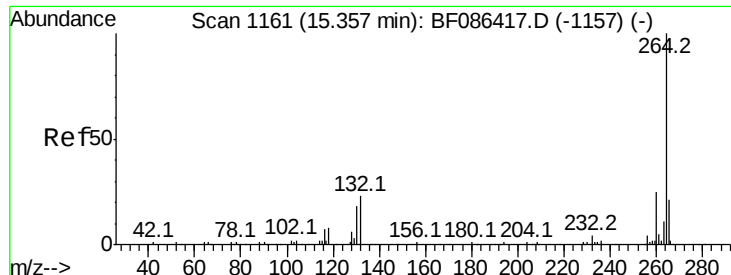


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



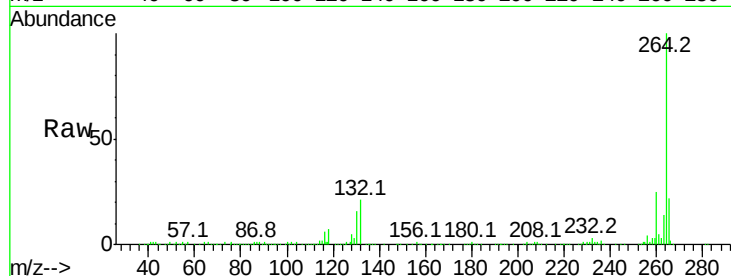


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.29 min Scan# 1155  
Delta R.T. -0.07 min  
Lab File: BF086617.D  
Acq: 2 May 2016 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-3(0-12FTBGS)

Tot Ion:264 Resp: 441911  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.7  | 19.5  | 29.3  |
| 265 | 21.6  | 17.3  | 25.9  |



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

