

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\  
 Data File : BF082827.D  
 Acq On : 8 Nov 2015 7:27  
 Operator : UM/IZ  
 Sample : G4261-10RE  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-5RE

Quant Time: Nov 09 02:58:49 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

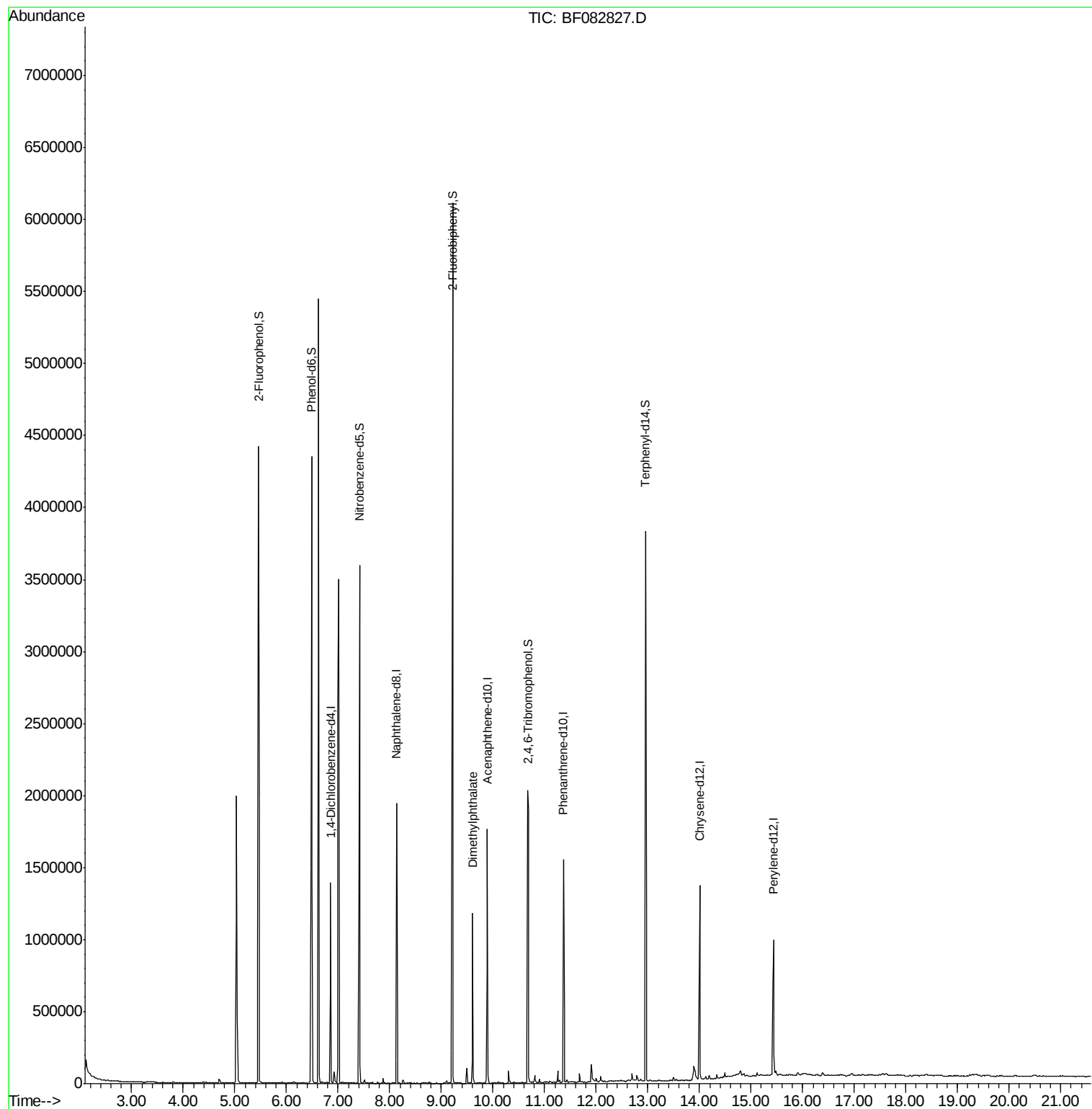
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 228445   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.13  | 136  | 788454   | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.89  | 164  | 388769   | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.37 | 188  | 589348   | 20.00 | ng    | -0.01        |
| 75) Chrysene-d12            | 14.01 | 240  | 523962   | 20.00 | ng    | -0.01        |
| 86) Perylene-d12            | 15.44 | 264  | 479166   | 20.00 | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.46  | 112  | 1394479  | 94.98 | ng    | 0.01         |
| 7) Phenol-d6                | 6.49  | 99   | 1781700  | 91.28 | ng    | 0.01         |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 1238713  | 68.36 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 372541   | 83.57 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1991474  | 73.42 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.96 | 244  | 1231452  | 55.74 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.61  | 163  | 424307   | 13.32 | ng    | Qvalue<br>99 |

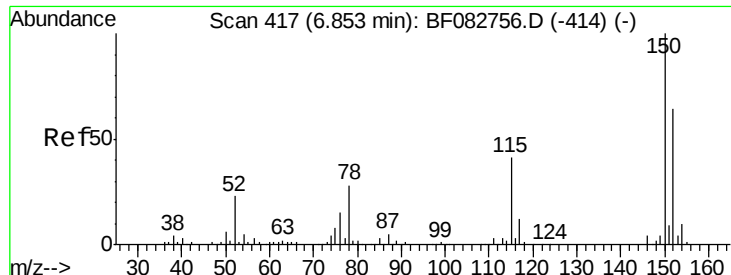
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



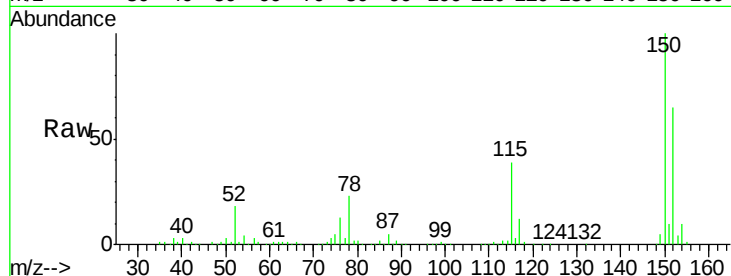


#1

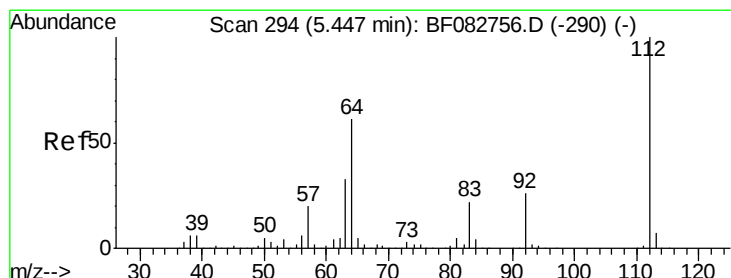
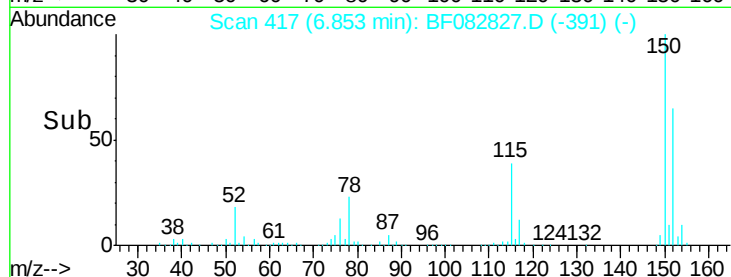
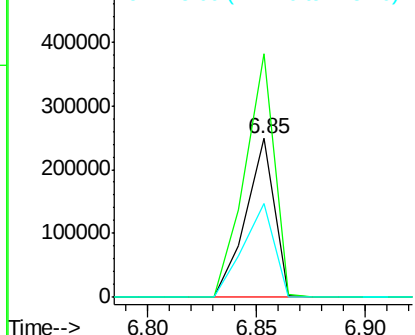
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: BF082827.D  
Acq: 8 Nov 2015 7:27

Instrument :  
BNA\_F  
ClientSampleId :  
SB-5RE

Tot Ion:152 Resp: 228445  
Ion Ratio Lower Upper  
152 100  
150 153.4 127.0 190.4  
115 59.4 47.0 70.6



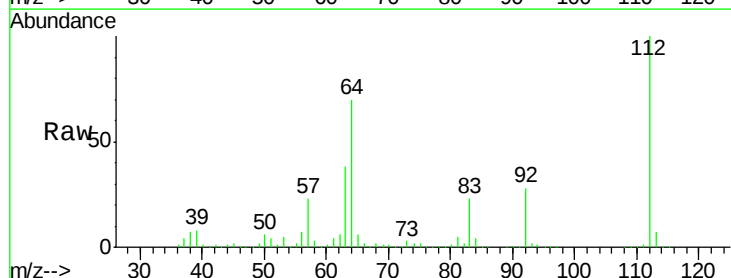
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



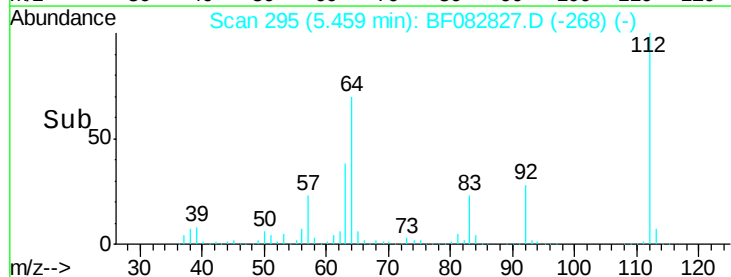
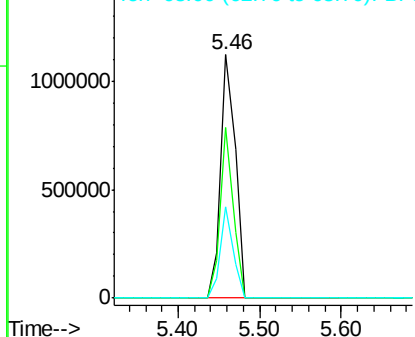
#5

2-Fluorophenol  
Concen: 94.98 ng  
RT: 5.46 min Scan# 295  
Delta R.T. 0.01 min  
Lab File: BF082827.D  
Acq: 8 Nov 2015 7:27

Tgt Ion:112 Resp: 1394479  
Ion Ratio Lower Upper  
112 100  
64 70.2 48.9 73.3  
63 37.5 28.1 42.1



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: 91.28 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082827.D

Acq: 8 Nov 2015 7:27

Instrument :

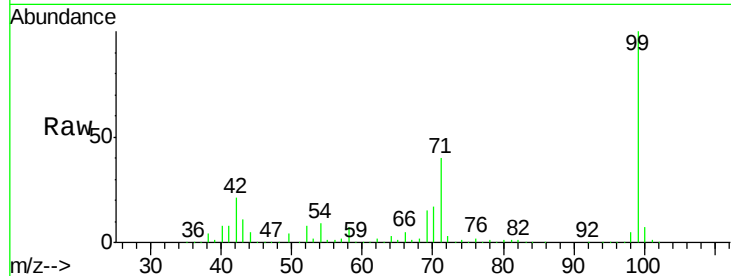
BNA\_F

ClientSampleId :

SB-5RE

Tot Ion: 99 Resp: 1781700

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.3  | 19.2  | 28.8  |
| 71  | 39.6  | 35.0  | 52.4  |

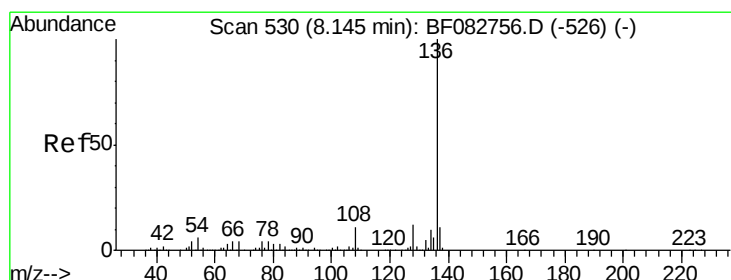
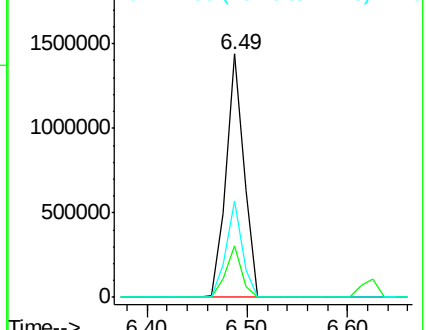
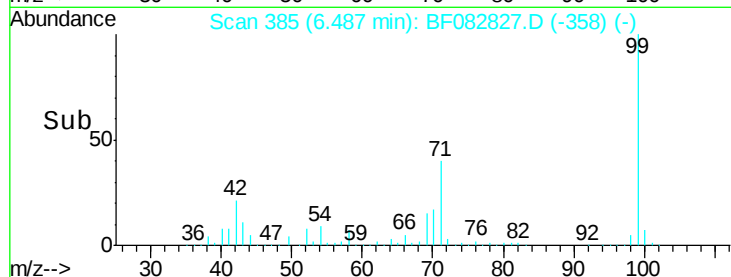


Abundance

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: 8.13 min Scan# 529

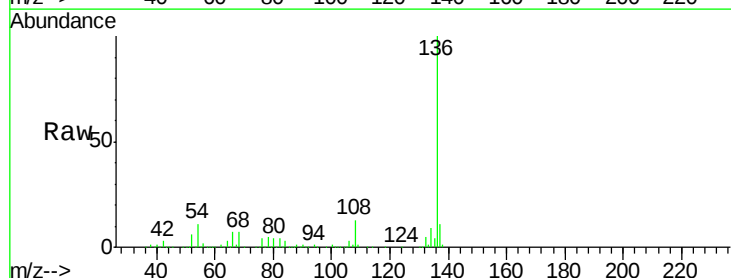
Delta R.T. -0.01 min

Lab File: BF082827.D

Acq: 8 Nov 2015 7:27

Tgt Ion: 136 Resp: 788454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.1   | 13.7  |
| 54  | 10.8  | 9.1   | 13.7  |
| 68  | 7.2   | 4.8   | 7.2#  |



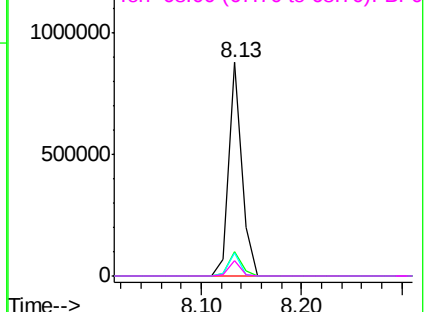
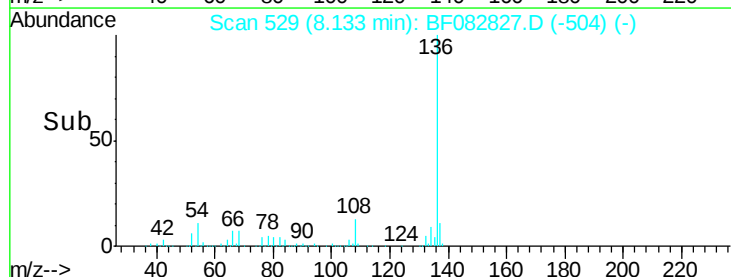
Abundance

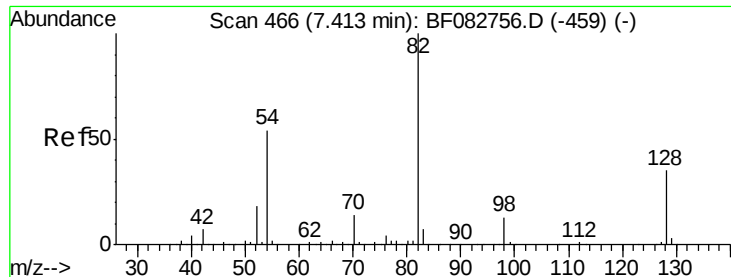
Ion 136.00 (135.70 to 136.70): E

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

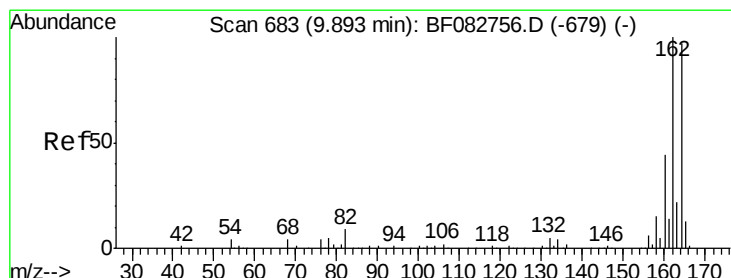
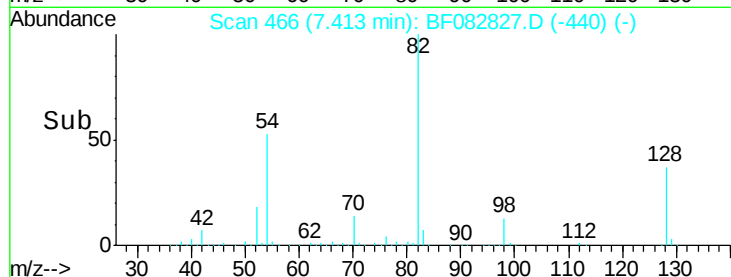
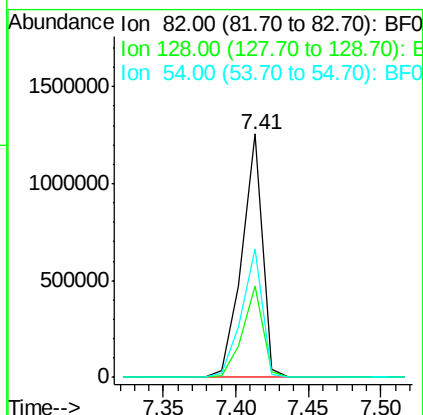
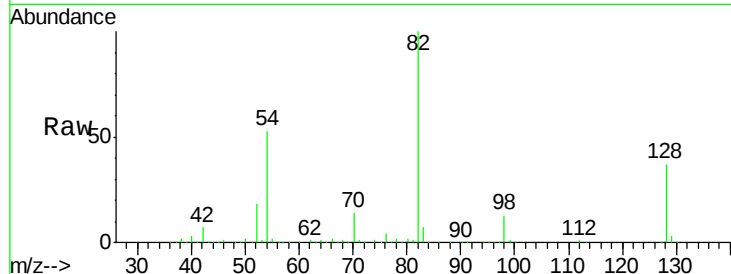




#23  
 Nitrobenzene-d5  
 Concen: 68.36 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. 0.00 min  
 Lab File: BF082827.D  
 Acq: 8 Nov 2015 7:27

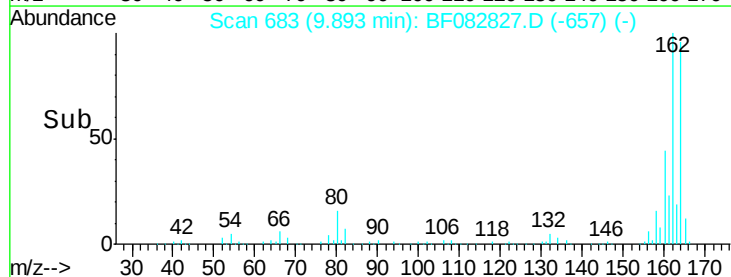
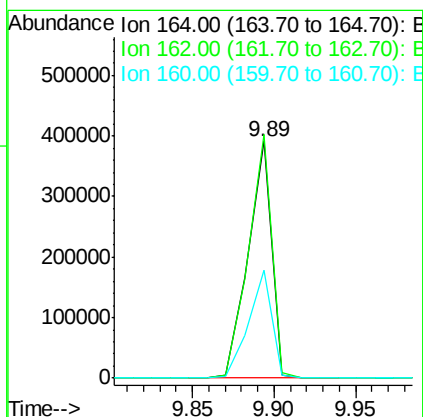
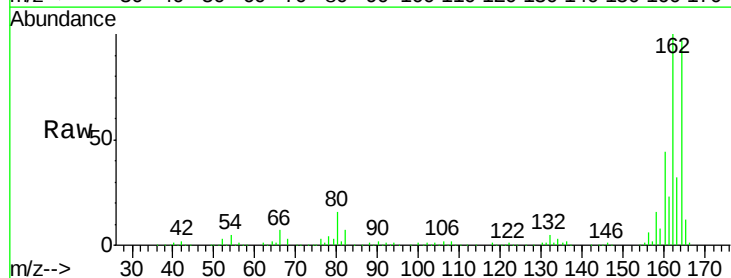
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-5RE

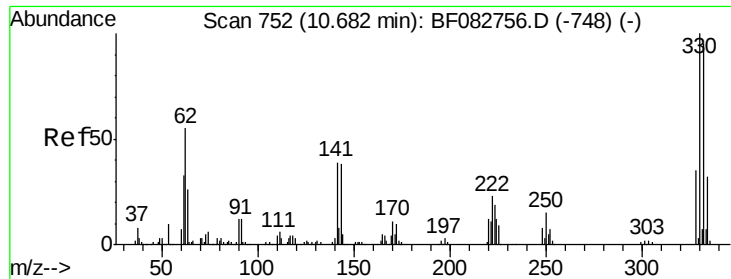
Tot Ion: 82 Resp: 1238713  
 Ion Ratio Lower Upper  
 82 100  
 128 37.3 26.8 40.2  
 54 52.9 45.7 68.5



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. 0.00 min  
 Lab File: BF082827.D  
 Acq: 8 Nov 2015 7:27

Tgt Ion: 164 Resp: 388769  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 84.9 127.3  
 160 45.6 37.5 56.3

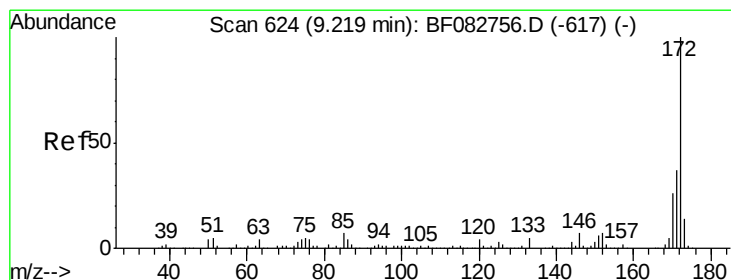
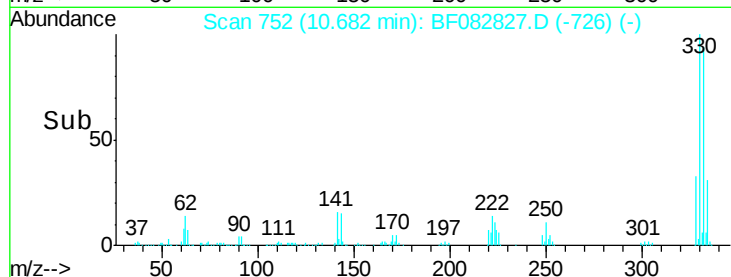
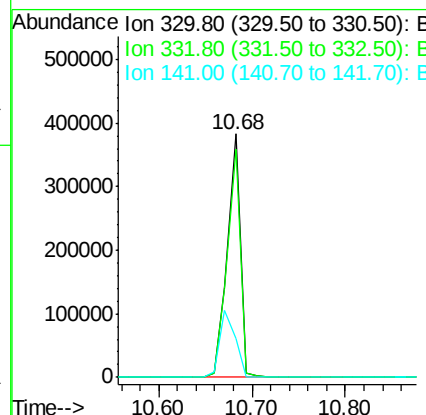
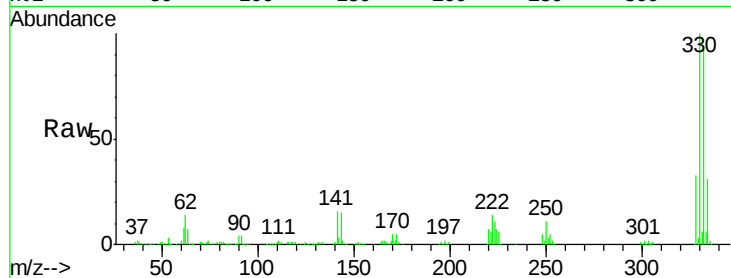




#41  
 2,4,6-Tribromophenol  
 Concen: 83.57 ng  
 RT: 10.68 min Scan# 752  
 Delta R.T. 0.00 min  
 Lab File: BF082827.D  
 Acq: 8 Nov 2015 7:27

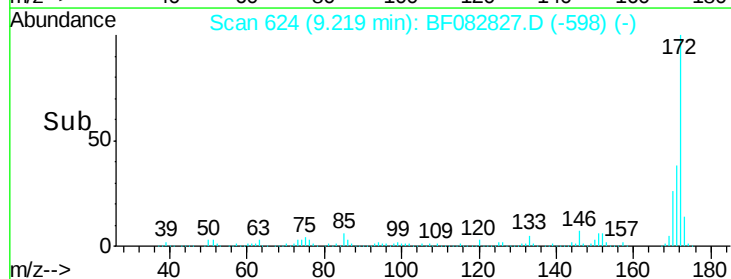
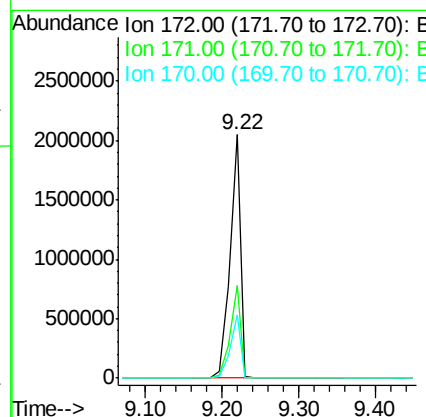
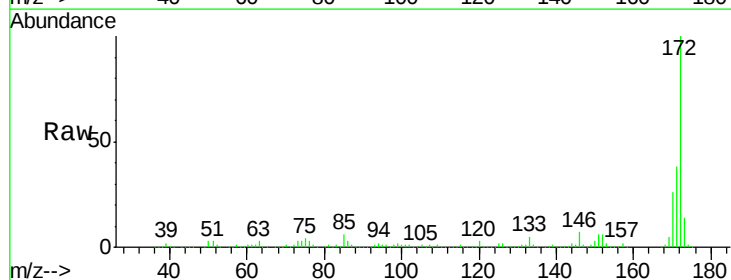
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-5RE

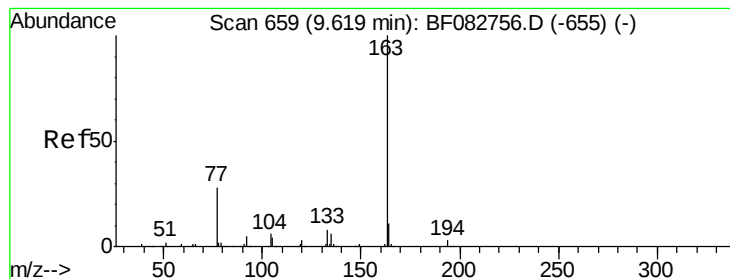
Tot Ion:330 Resp: 372541  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 76.6 114.8  
 141 32.4 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 73.42 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. 0.00 min  
 Lab File: BF082827.D  
 Acq: 8 Nov 2015 7:27

Tgt Ion:172 Resp: 1991474  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 30.8 46.2  
 170 26.1 21.2 31.8





#49

Dimethylphthalate

Concen: 13.32 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF082827.D

Acq: 8 Nov 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

SB-5RE

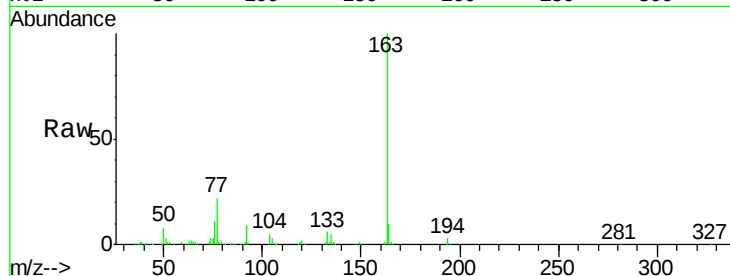
Tot Ion:163 Resp: 424307

Ion Ratio Lower Upper

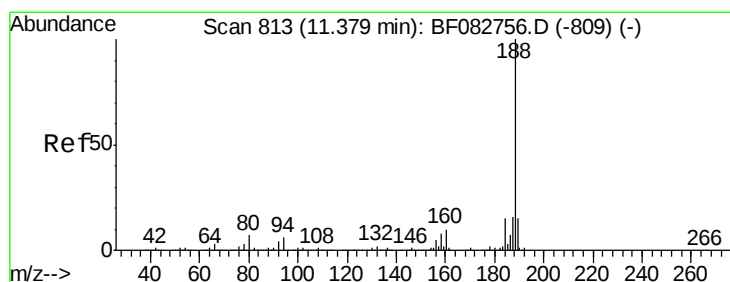
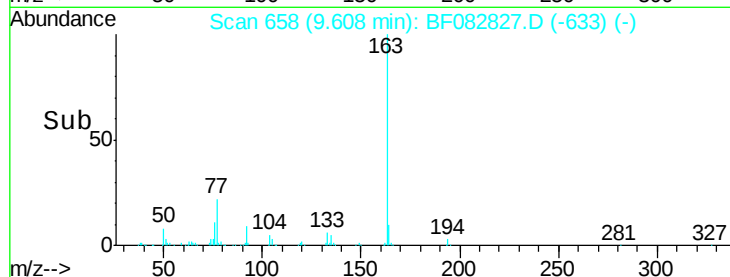
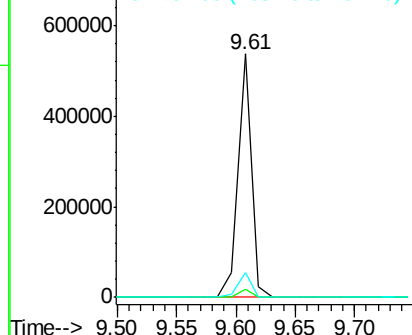
163 100

194 3.3 2.6 4.0

164 10.3 8.7 13.1



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: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF082827.D

Acq: 8 Nov 2015 7:27

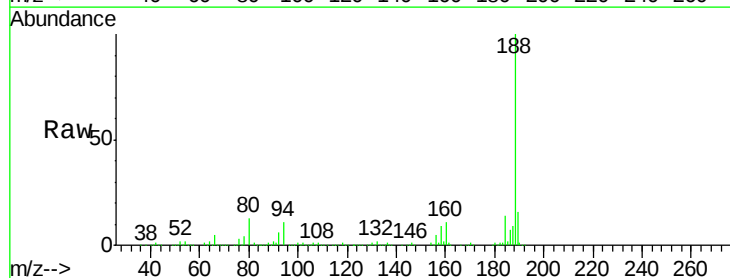
Tgt Ion:188 Resp: 589348

Ion Ratio Lower Upper

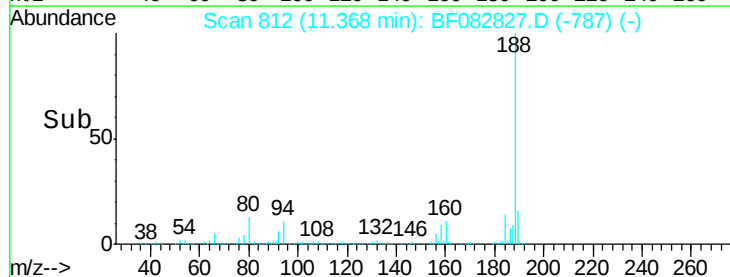
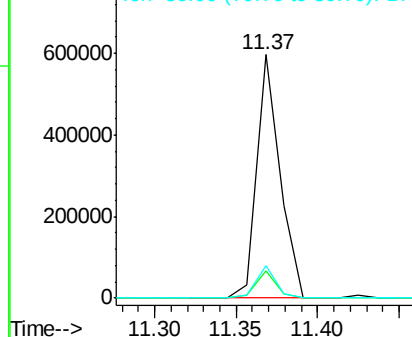
188 100

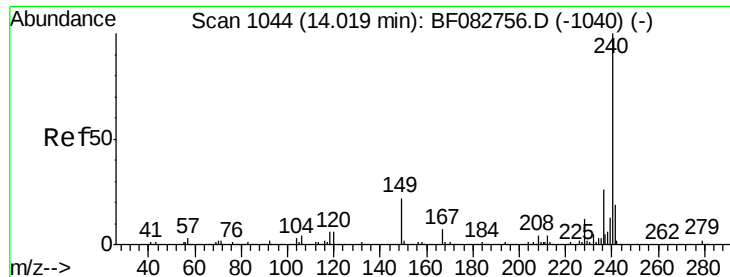
94 11.1 6.1 9.1#

80 13.2 7.0 10.6#



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

Chrvsene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082827.D

Acq: 8 Nov 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

SB-5RE

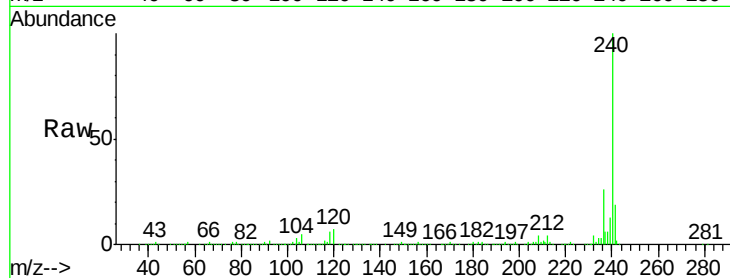
Tot Ion:240 Resp: 523962

Ion Ratio Lower Upper

240 100

120 6.7 10.9 16.3#

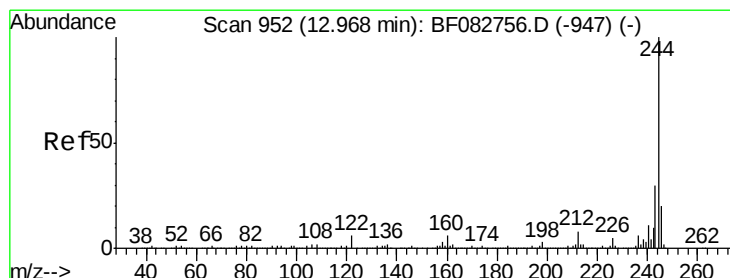
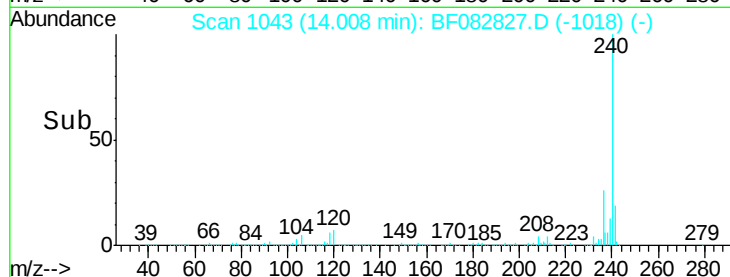
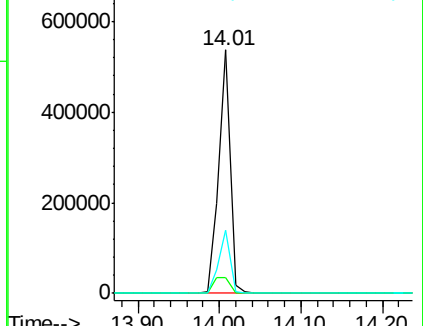
236 26.0 21.6 32.4



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: 55.74 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF082827.D

Acq: 8 Nov 2015 7:27

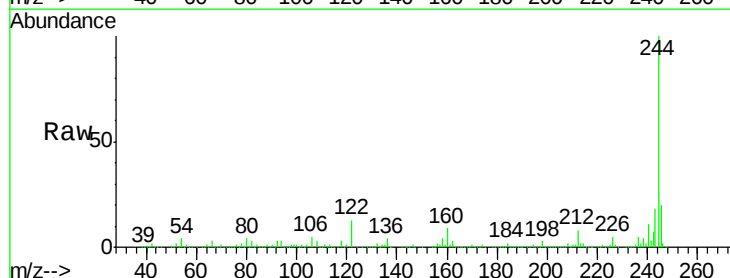
Tgt Ion:244 Resp: 1231452

Ion Ratio Lower Upper

244 100

212 8.2 7.6 11.4

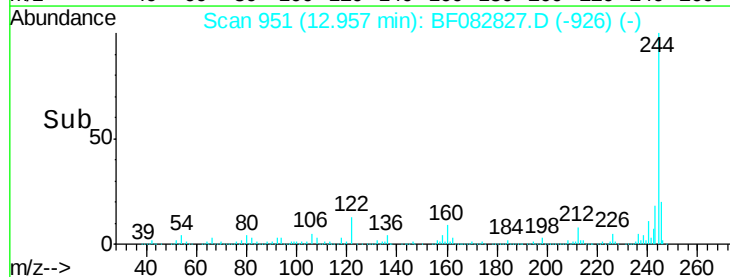
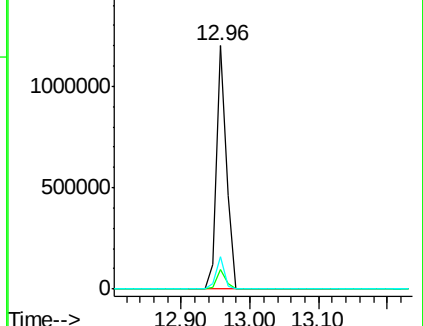
122 13.3 11.3 16.9

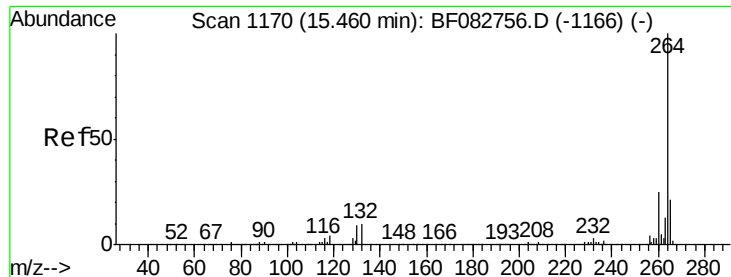


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

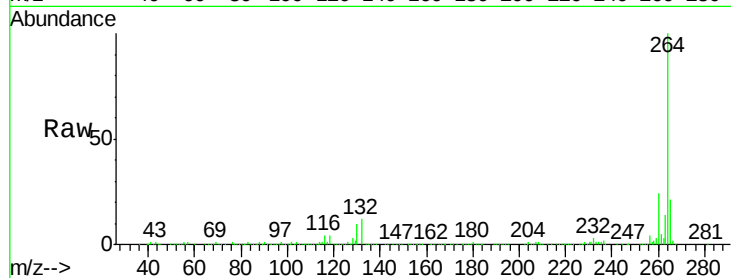




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.44 min Scan# 1168  
 Delta R.T. -0.02 min  
 Lab File: BF082827.D  
 Acq: 8 Nov 2015 7:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-5RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.8  | 29.6  |
| 265     | 21.2  | 17.4  | 26.0  |



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

