

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\  
 Data File : BF084473.D  
 Acq On : 14 Jan 2016 6:53  
 Operator : SJ/UM  
 Sample : H1079-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP1

Quant Time: Jan 14 16:19:38 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 14 14:15:52 2016  
 Response via : Initial Calibration

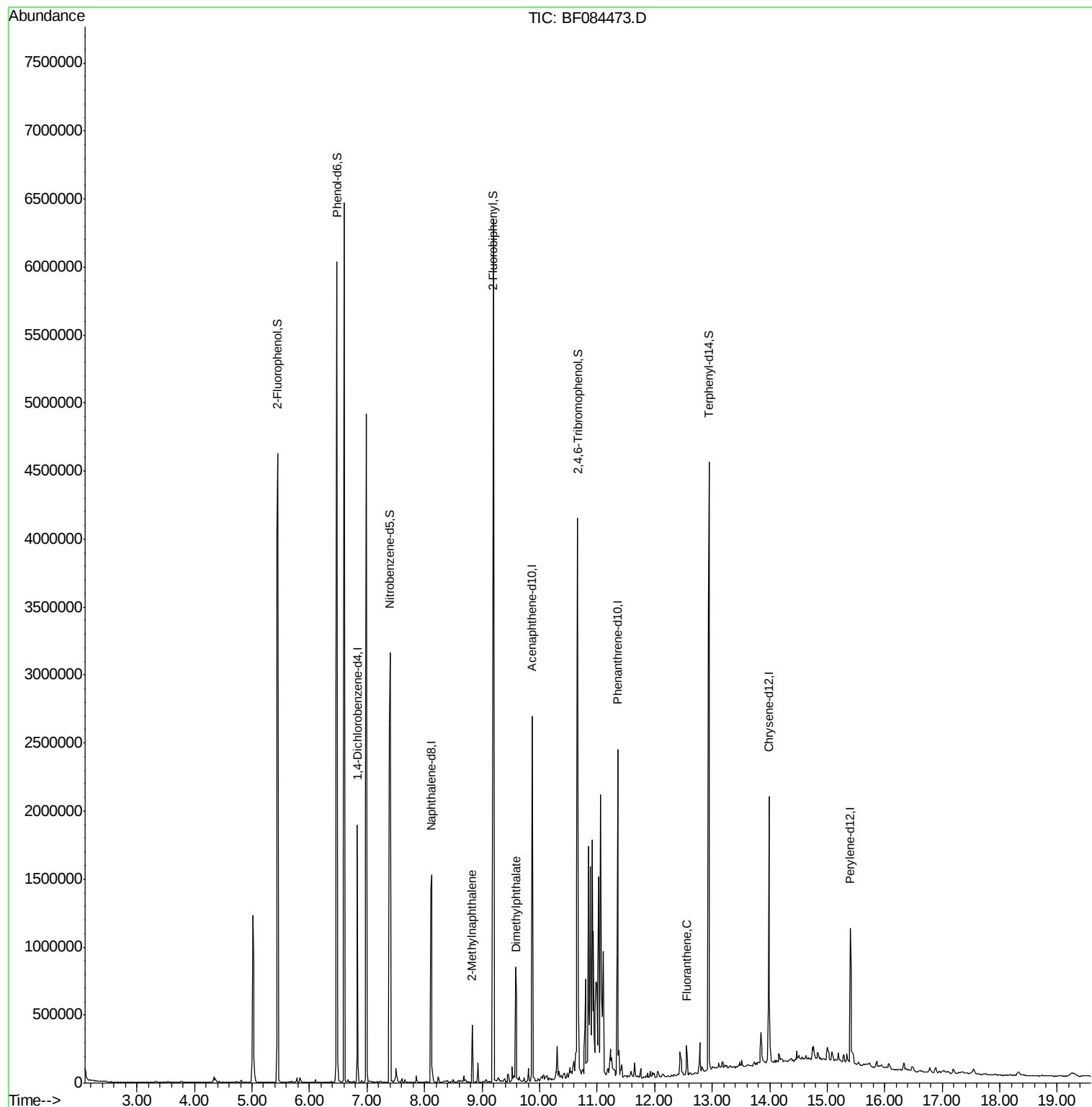
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 247265   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.12  | 136  | 1034998  | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.87  | 164  | 507542   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.36 | 188  | 919365   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.99 | 240  | 639523   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 15.40 | 264  | 494056   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.45  | 112  | 1781250  | 116.52 | ng    | 0.01      |
| 7) Phenol-d6                | 6.48  | 99   | 2139111  | 111.42 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 1427741  | 76.77  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 477798   | 93.25  | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1967300  | 66.84  | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.94 | 244  | 1850431  | 64.59  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 37) 2-Methylnaphthalene     | 8.83  | 142  | 111217   | 3.30   | ng    | Qvalue 96 |
| 49) Dimethylphthalate       | 9.60  | 163  | 467143   | 12.87  | ng    | # 91      |
| 74) Fluoranthene            | 12.56 | 202  | 112400   | 2.24   | ng    | 94        |

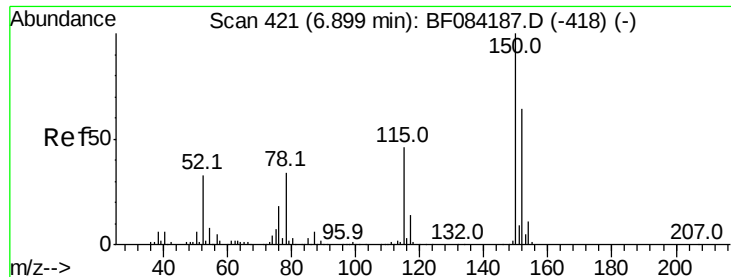
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP1

Quant Time: Jan 14 16:19:38 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 14 14:15:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP1

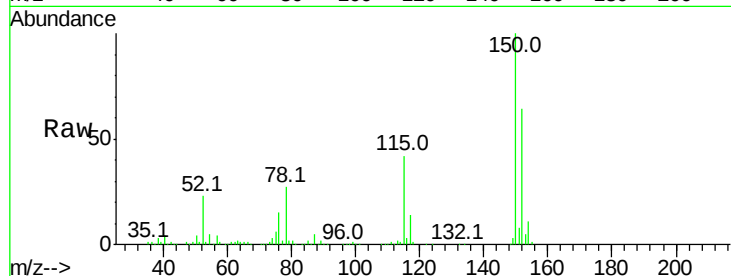
Tot Ion:152 Resp: 247265

Ion Ratio Lower Upper

152 100

150 156.3 123.0 184.4

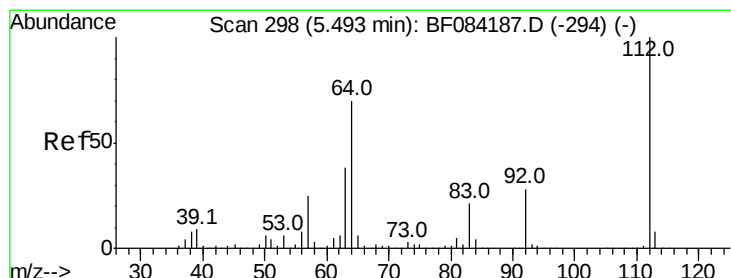
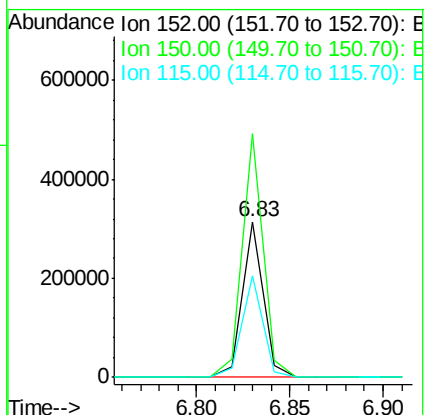
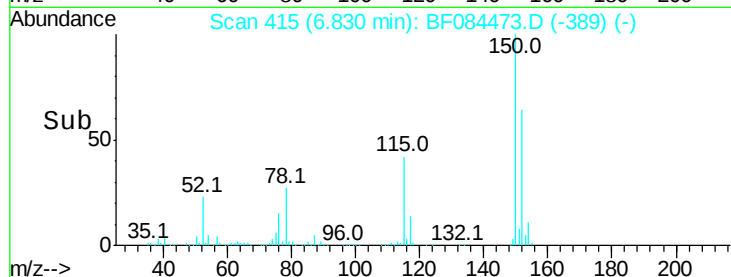
115 65.1 51.4 77.2



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: 116.52 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

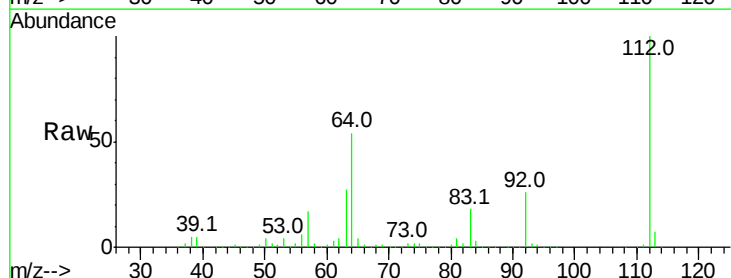
Tgt Ion:112 Resp: 1781250

Ion Ratio Lower Upper

112 100

64 53.7 36.6 55.0

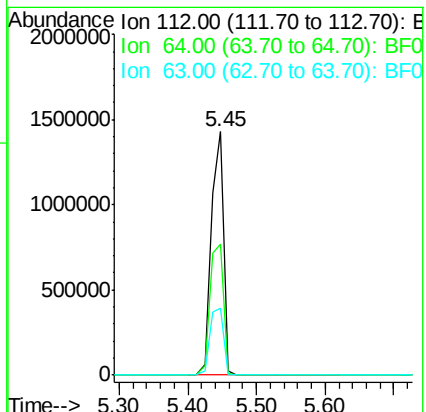
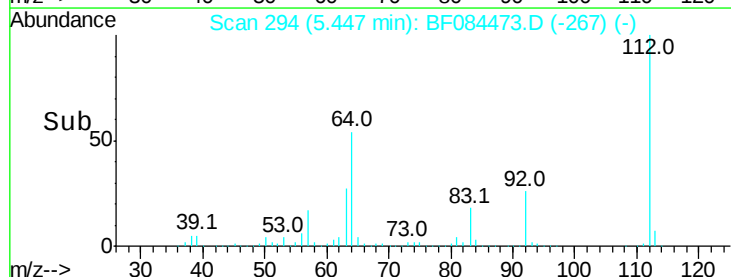
63 27.3 19.4 29.0

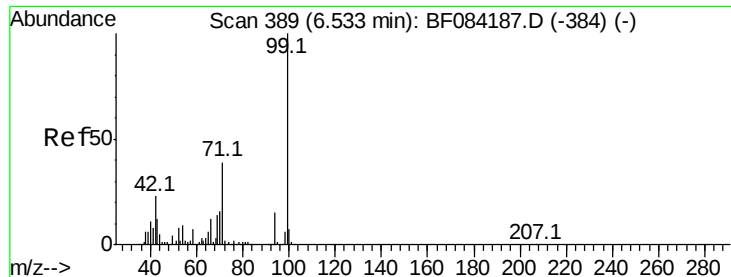


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.42 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

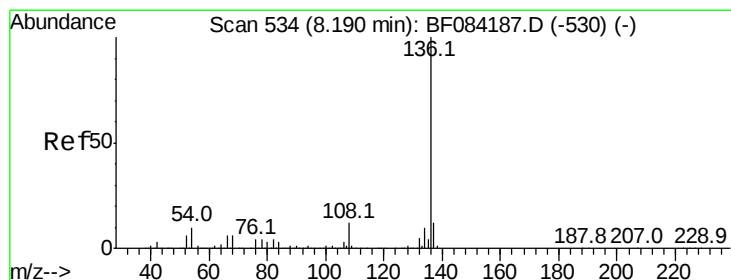
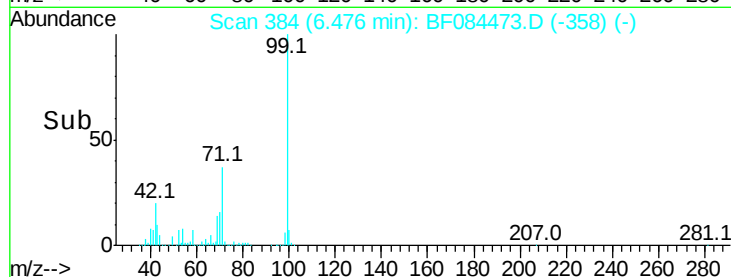
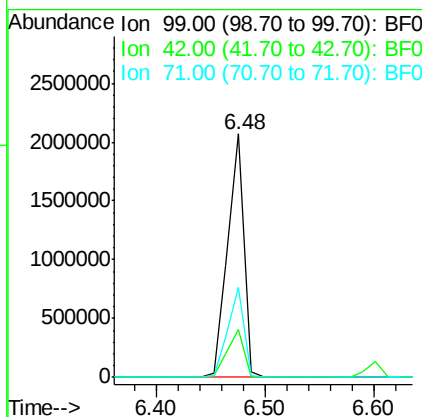
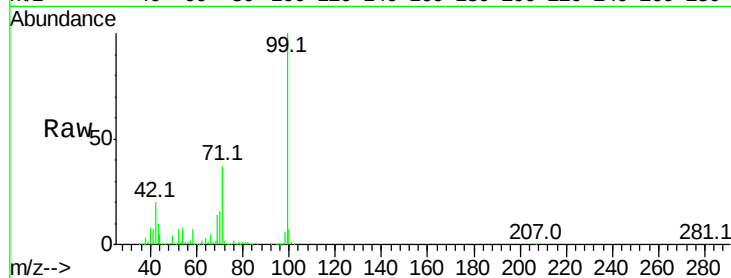
BNA\_F

ClientSampleId :

TEC-COMP1

Tot Ion: 99 Resp: 2139111

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.7  | 12.8  | 19.2# |
| 71  | 36.9  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

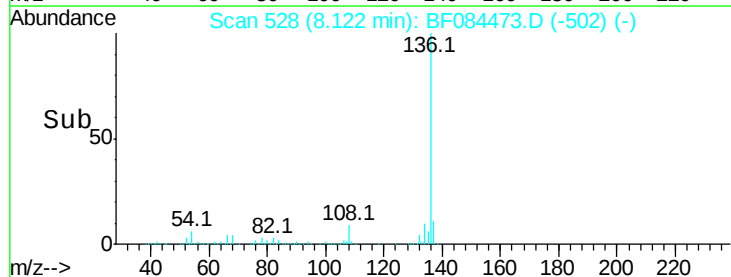
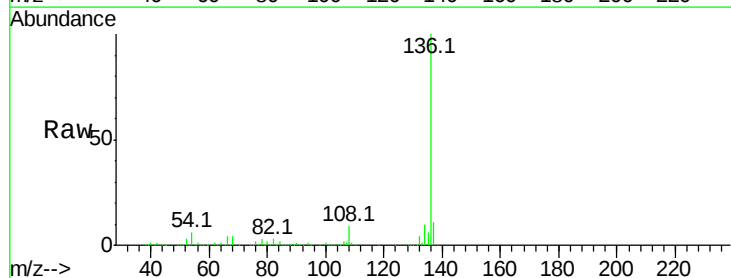
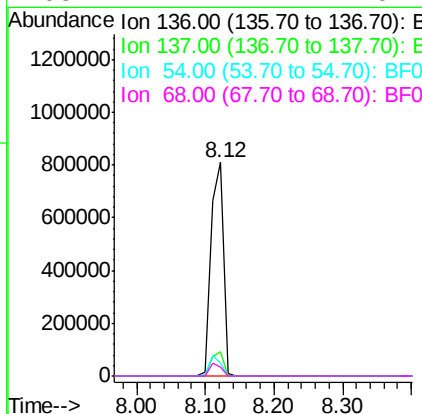
Delta R.T. 0.00 min

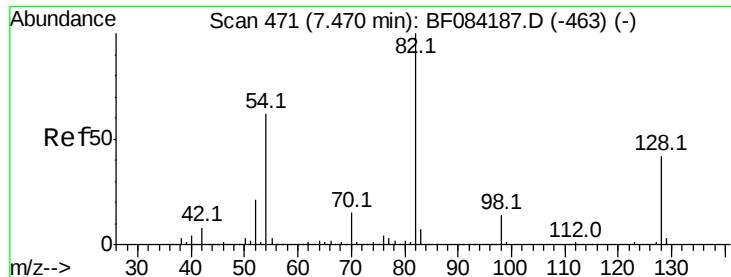
Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Tgt Ion: 136 Resp: 1034998

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.7   | 13.1  |
| 54  | 6.2   | 5.8   | 8.8   |
| 68  | 4.2   | 4.2   | 6.2   |

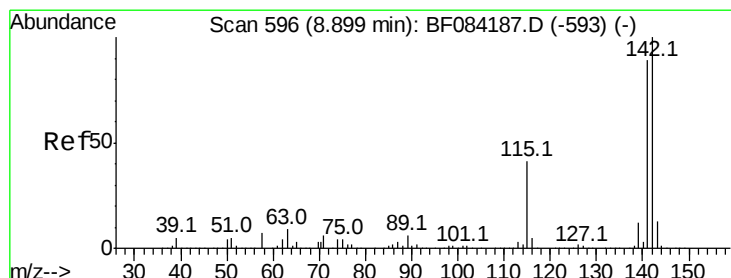
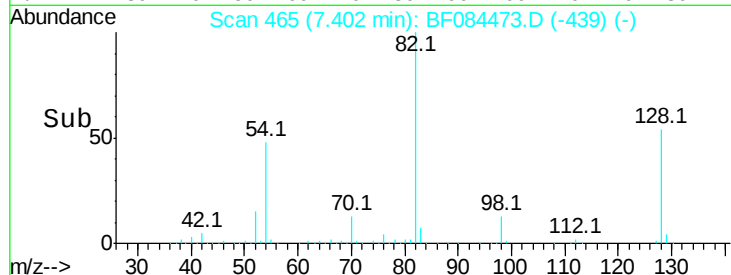
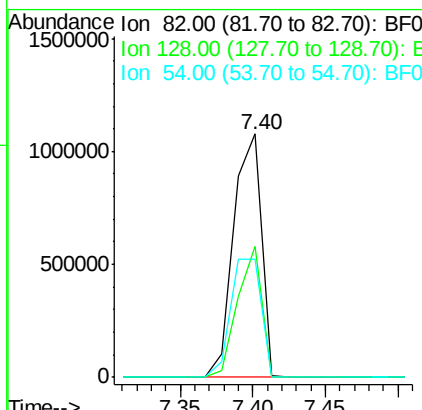
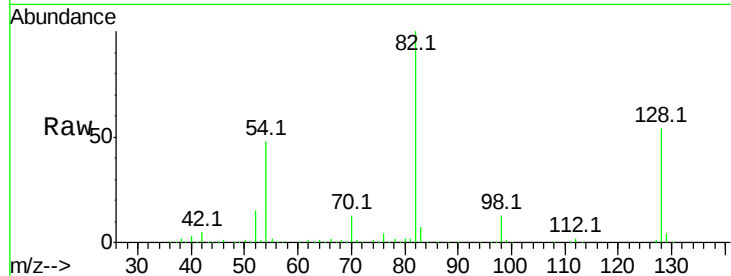




#23  
 Nitrobenzene-d5  
 Concen: 76.77 ng  
 RT: 7.40 min Scan# 465  
 Delta R.T. 0.00 min  
 Lab File: BF084473.D  
 Acq: 14 Jan 2016 6:53

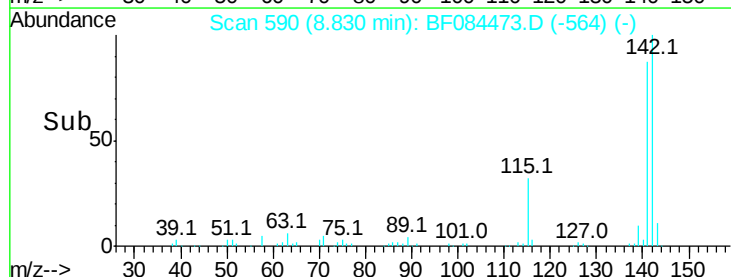
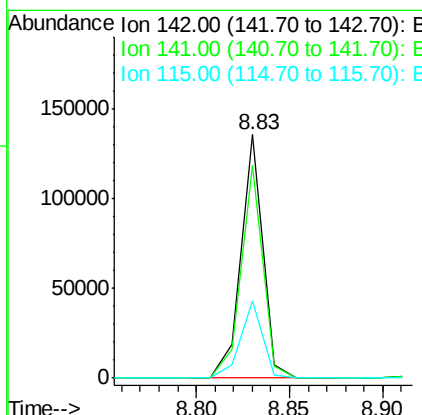
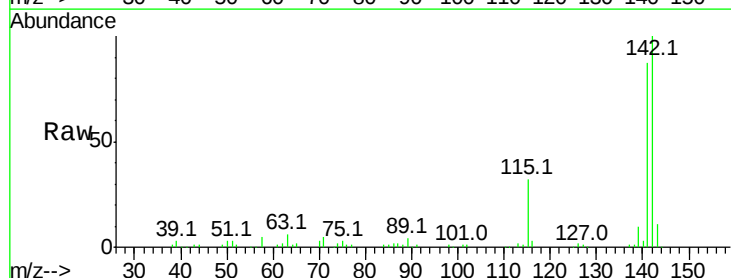
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP1

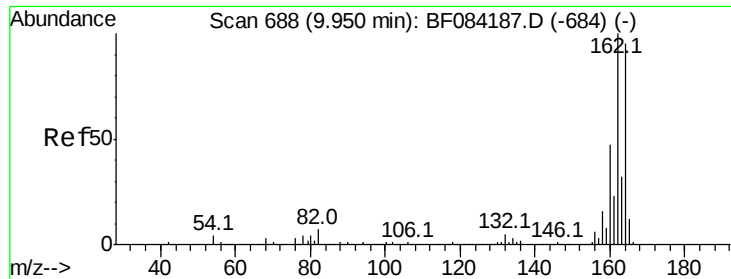
Tot Ion: 82 Resp: 1427741  
 Ion Ratio Lower Upper  
 82 100  
 128 53.6 34.6 51.8#  
 54 48.5 38.4 57.6



#37  
 2-Methylnaphthalene  
 Concen: 3.30 ng  
 RT: 8.83 min Scan# 590  
 Delta R.T. 0.00 min  
 Lab File: BF084473.D  
 Acq: 14 Jan 2016 6:53

Tgt Ion:142 Resp: 111217  
 Ion Ratio Lower Upper  
 142 100  
 141 87.2 72.4 108.6  
 115 31.7 27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP1

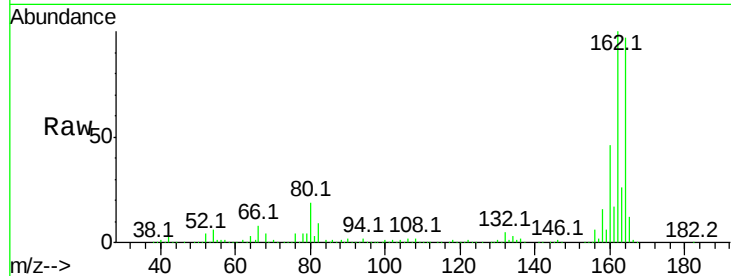
Tot Ion:164 Resp: 507542

Ion Ratio Lower Upper

164 100

162 102.9 85.1 127.7

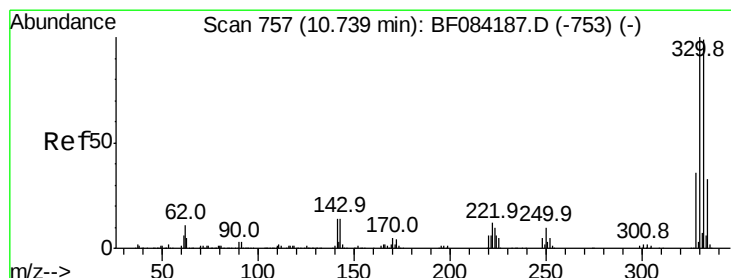
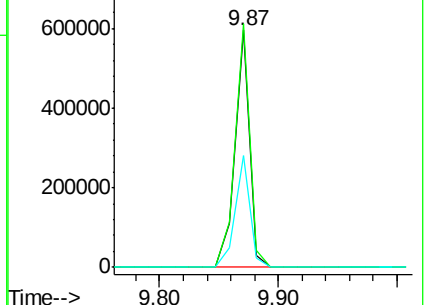
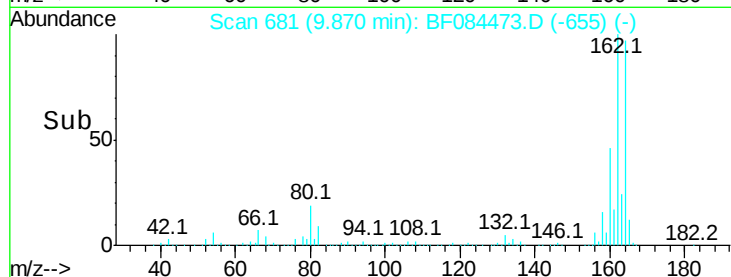
160 47.2 37.5 56.3



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: 93.25 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

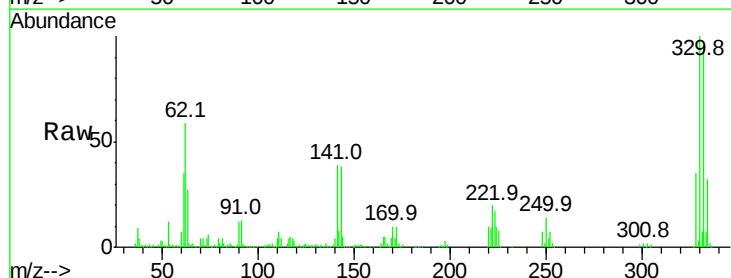
Tgt Ion:330 Resp: 477798

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

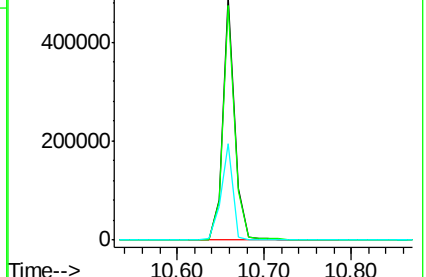
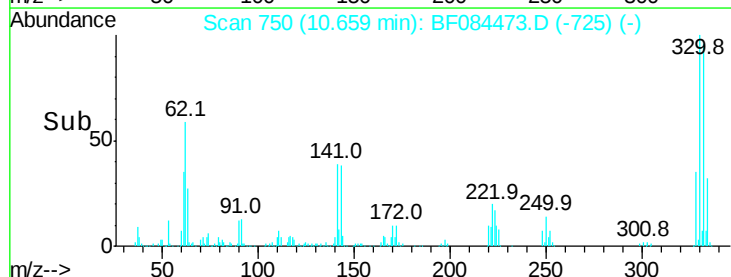
141 40.3 27.8 41.6

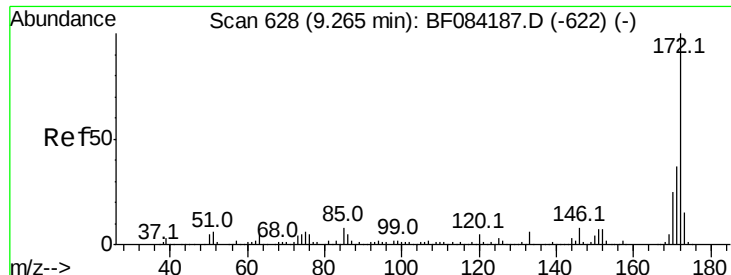


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



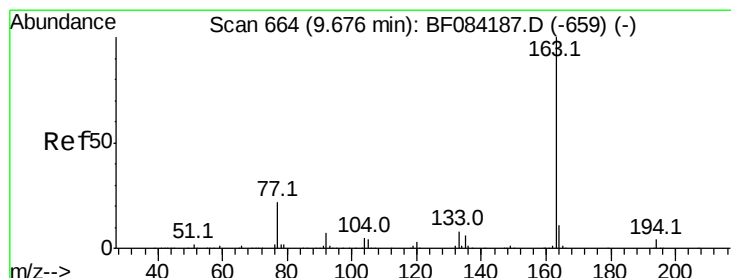
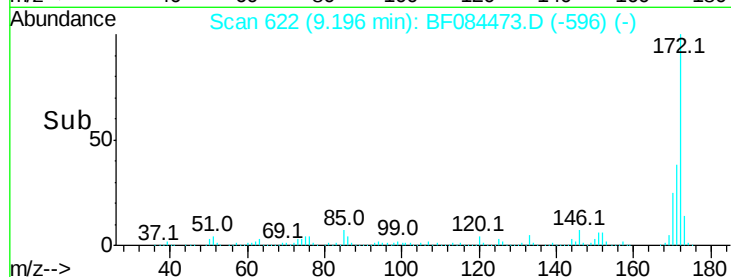
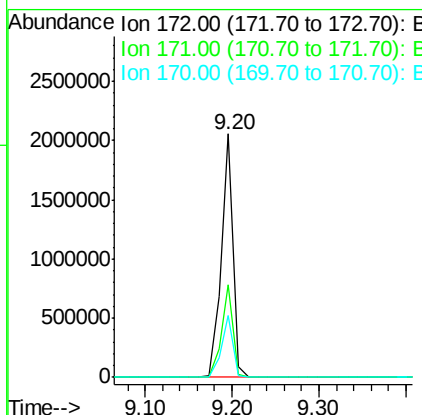
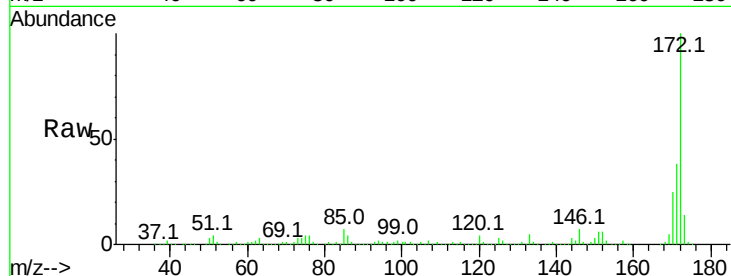


#44  
 2-Fluorobiphenyl  
 Concen: 66.84 ng  
 RT: 9.20 min Scan# 622  
 Delta R.T. 0.00 min  
 Lab File: BF084473.D  
 Acq: 14 Jan 2016 6:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP1

Tot Ion:172 Resp: 1967300  

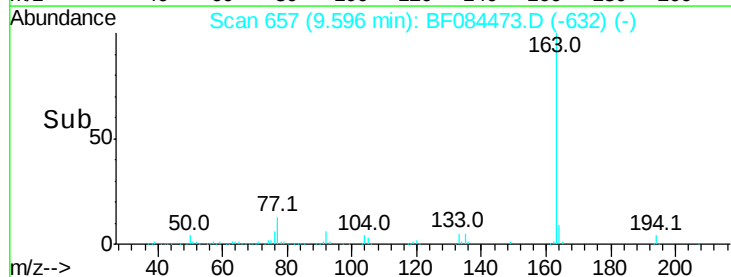
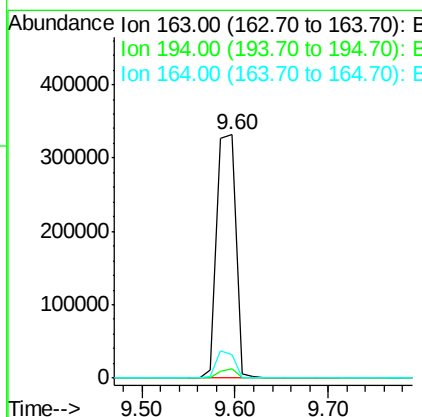
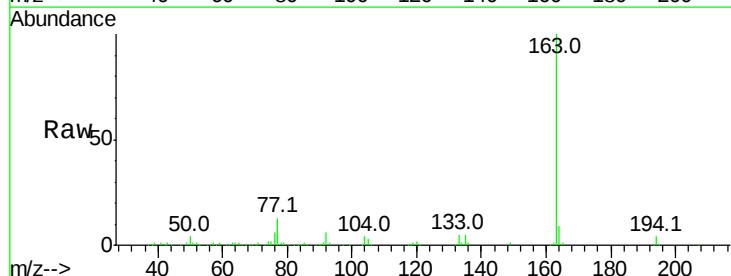
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.8  | 28.9  | 43.3  |
| 170 | 25.4  | 18.6  | 27.8  |

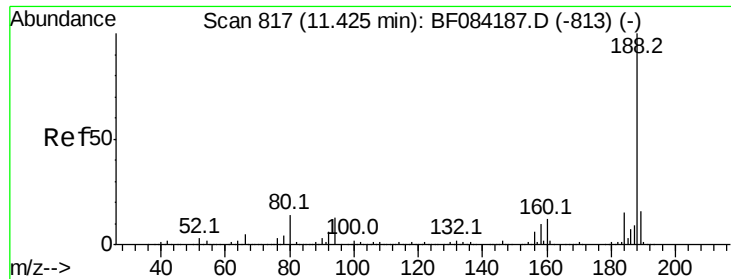


#49  
 Dimethylphthalate  
 Concen: 12.87 ng  
 RT: 9.60 min Scan# 657  
 Delta R.T. -0.01 min  
 Lab File: BF084473.D  
 Acq: 14 Jan 2016 6:53

Tgt Ion:163 Resp: 467143  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.7   | 8.0   | 12.0# |
| 164 | 9.4   | 8.0   | 12.0  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP1

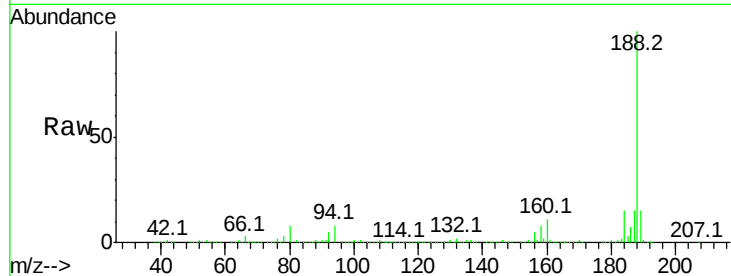
Tot Ion:188 Resp: 919365

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.4#

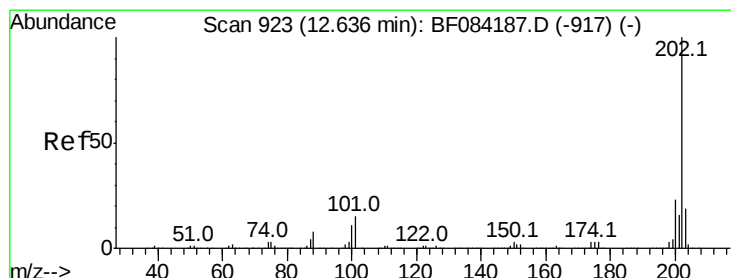
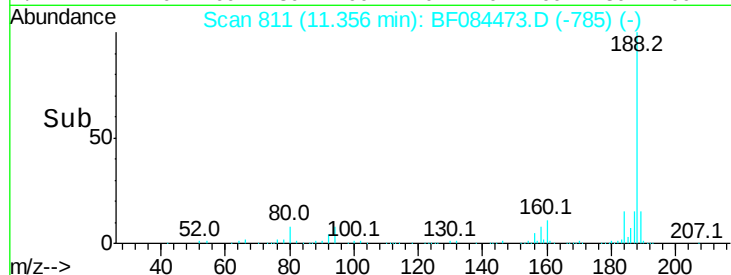
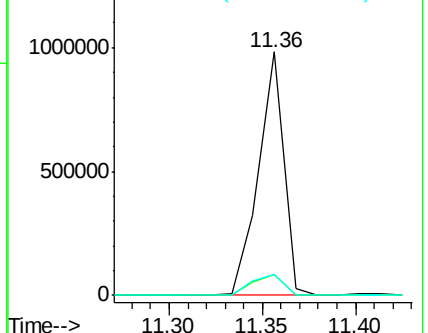
80 8.5 9.6 14.4#



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



#74

Fluoranthene

Concen: 2.24 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

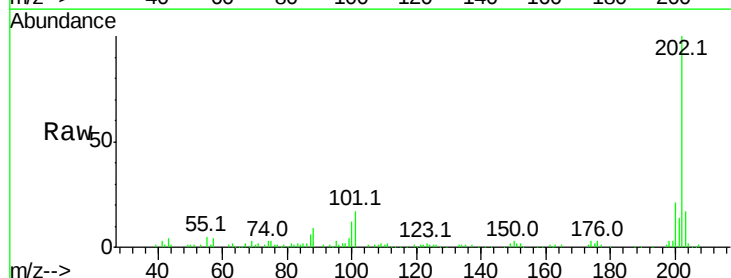
Tgt Ion:202 Resp: 112400

Ion Ratio Lower Upper

202 100

101 17.4 0.0 32.8

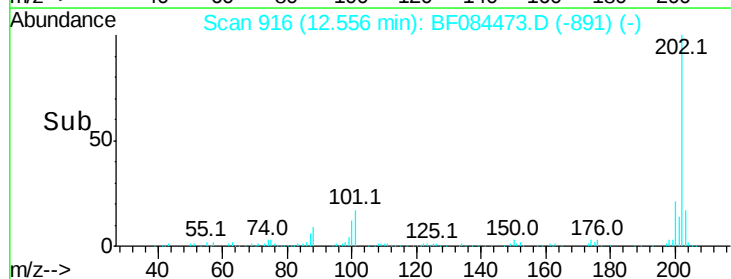
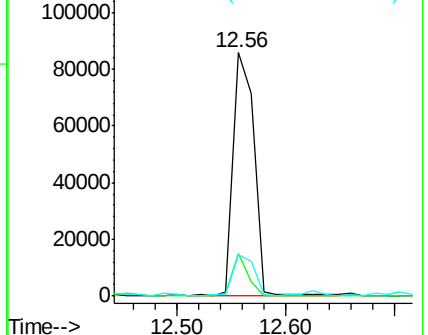
203 16.8 0.0 37.9

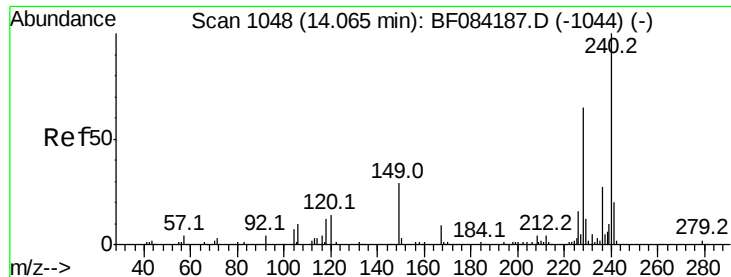


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP1

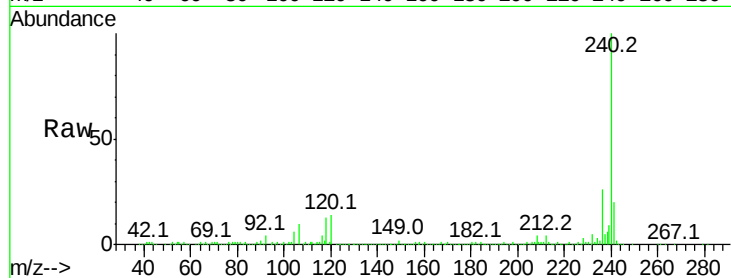
Tot Ion:240 Resp: 639523

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

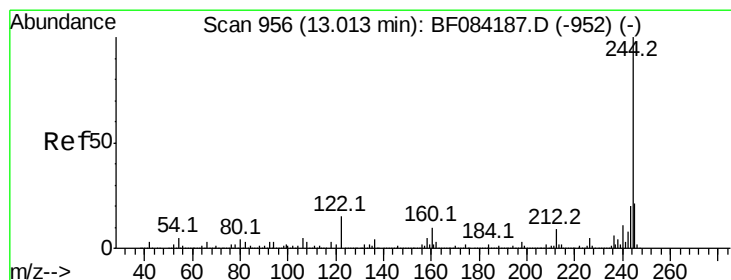
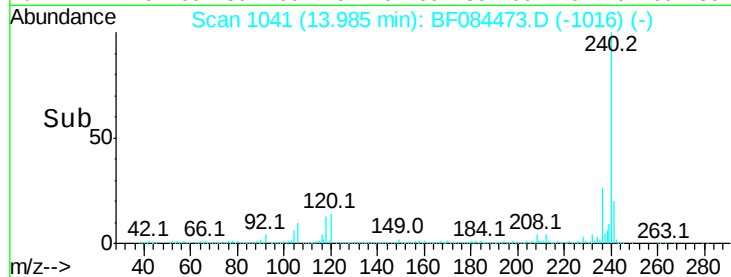
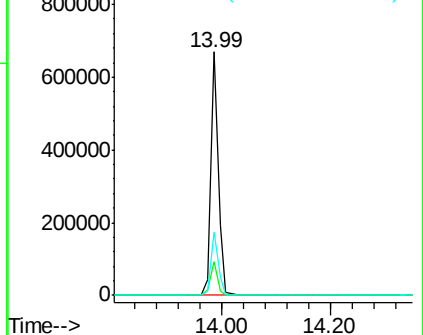
236 25.9 20.6 31.0



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: 64.59 ng

RT: 12.94 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

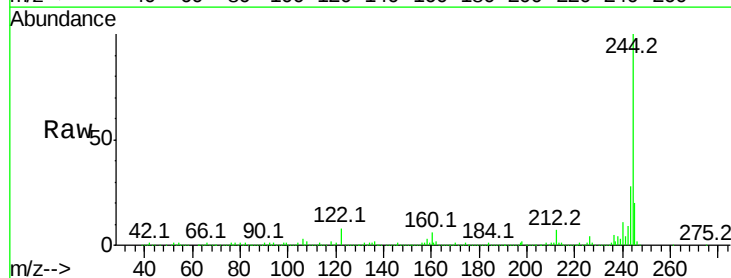
Tgt Ion:244 Resp: 1850431

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

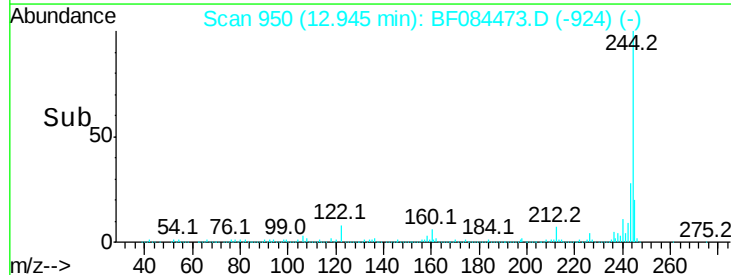
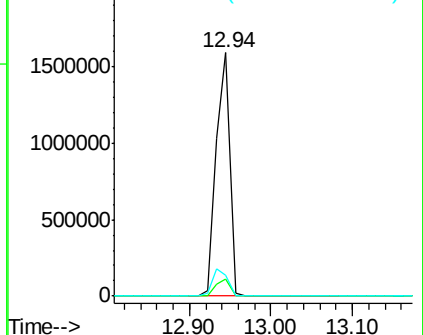
122 8.4 7.4 11.0

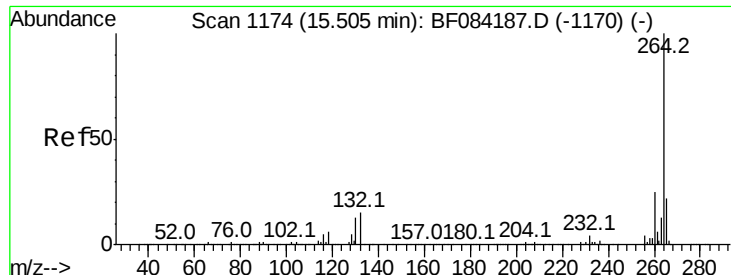


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

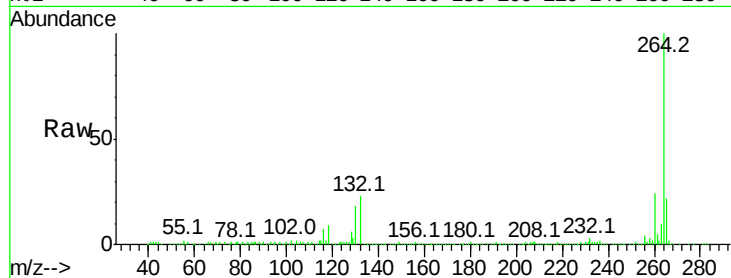




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.40 min Scan# 1165  
 Delta R.T. -0.01 min  
 Lab File: BF084473.D  
 Acq: 14 Jan 2016 6:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.4  | 29.2  |
| 265     | 22.5  | 17.8  | 26.6  |



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

