

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020117\  
 Data File : BF092707.D  
 Acq On : 1 Feb 2017 16:36  
 Operator : SJ/MA  
 Sample : I1615-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-2

Quant Time: Feb 01 18:06:31 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 14:50:05 2017  
 Response via : Initial Calibration

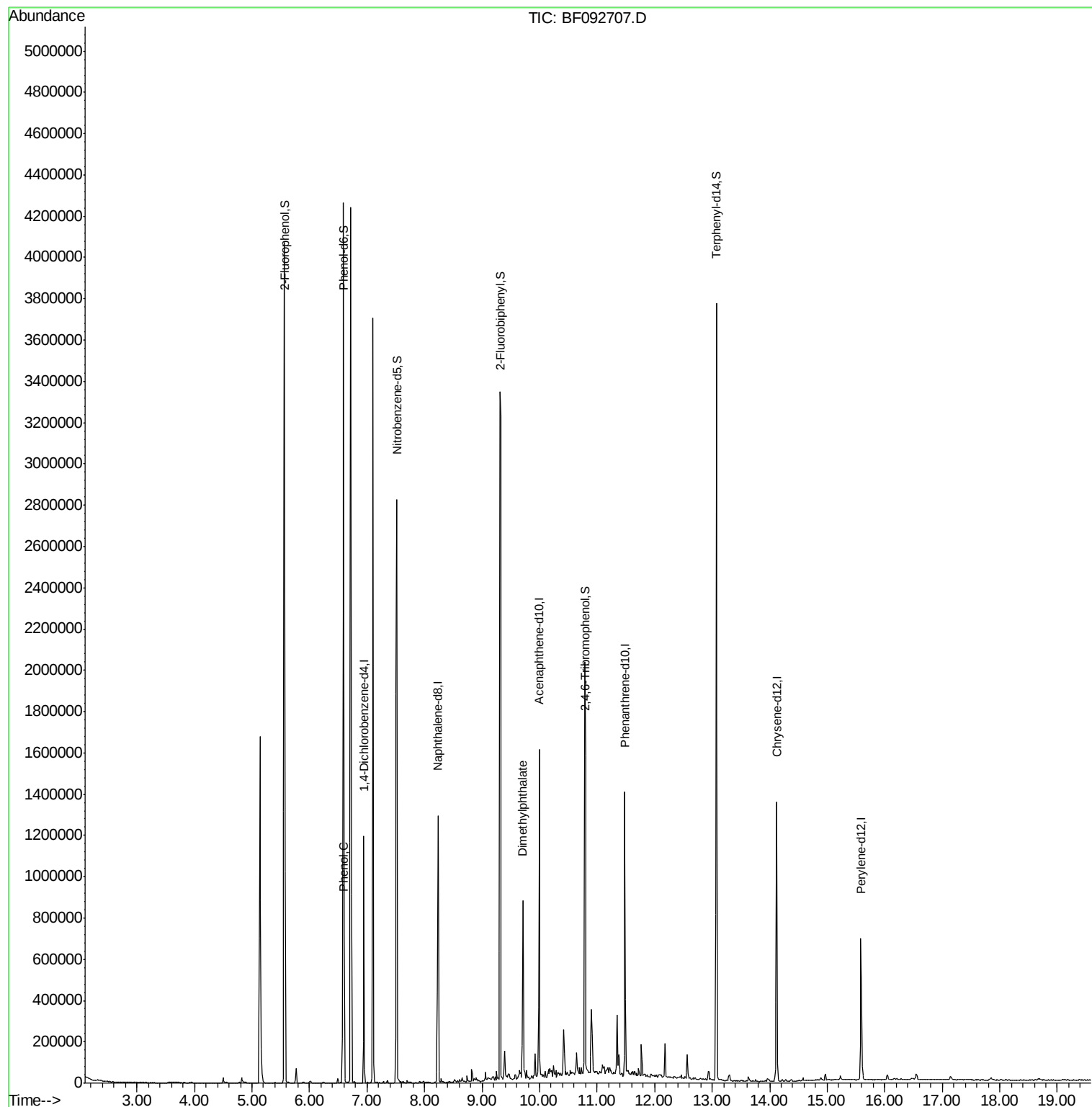
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 163508   | 20.00  | ng    | -0.02       |
| 21) Naphthalene-d8          | 8.24  | 136  | 606837   | 20.00  | ng    | -0.02       |
| 38) Acenaphthene-d10        | 10.00 | 164  | 326527   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.48 | 188  | 494845   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12            | 14.12 | 240  | 457467   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12            | 15.59 | 264  | 330198   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.56  | 112  | 1233819  | 129.46 | ng    | -0.01       |
| 7) Phenol-d6                | 6.59  | 99   | 1620017  | 132.11 | ng    | -0.01       |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 1157278  | 106.20 | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 340697   | 144.26 | ng    | -0.01       |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1730553  | 96.02  | ng    | -0.01       |
| 78) Terphenyl-d14           | 13.07 | 244  | 1438678  | 73.89  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.60  | 94   | 156467   | 10.91  | ng    | Qvalue # 68 |
| 49) Dimethylphthalate       | 9.71  | 163  | 306417   | 13.93  | ng    | 99          |

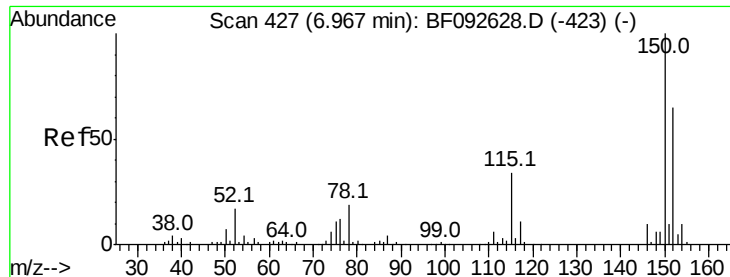
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020117\  
Data File : BF092707.D  
Acq On : 1 Feb 2017 16:36  
Operator : SJ/MA  
Sample : I1615-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SS-2

Quant Time: Feb 01 18:06:31 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 30 14:50:05 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

Instrument :

BNA\_F

ClientSampleId :

SS-2

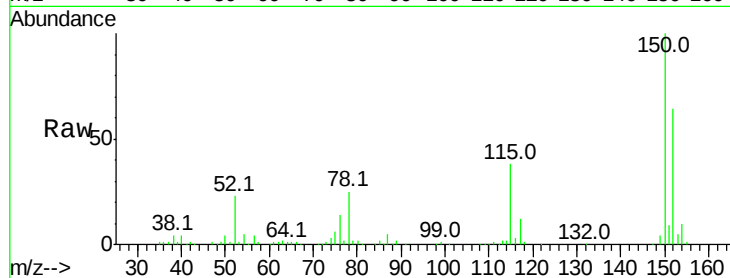
Tot Ion:152 Resp: 163508

Ion Ratio Lower Upper

152 100

150 155.7 124.9 187.3

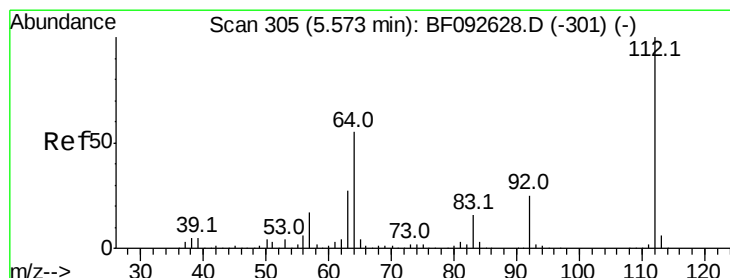
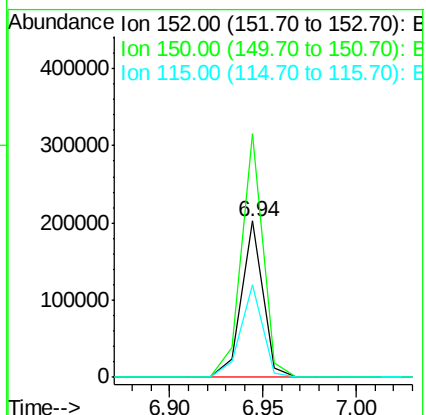
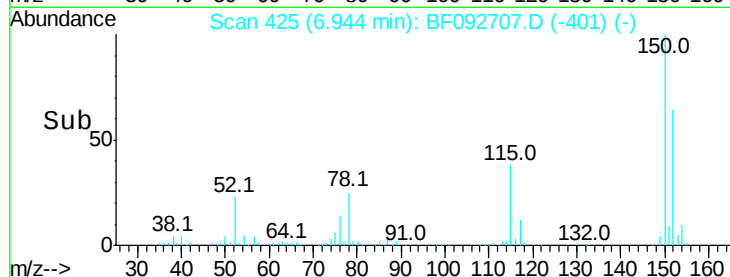
115 59.4 46.0 69.0



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: 129.46 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

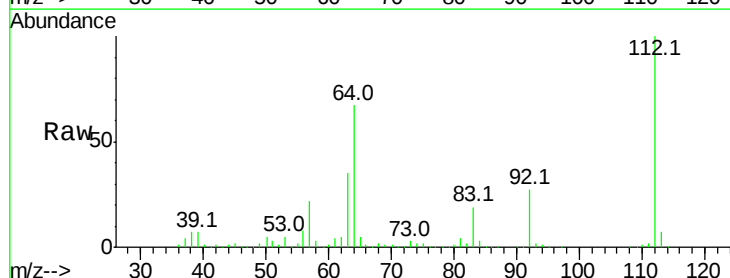
Tgt Ion:112 Resp: 1233819

Ion Ratio Lower Upper

112 100

64 67.5 46.1 69.1

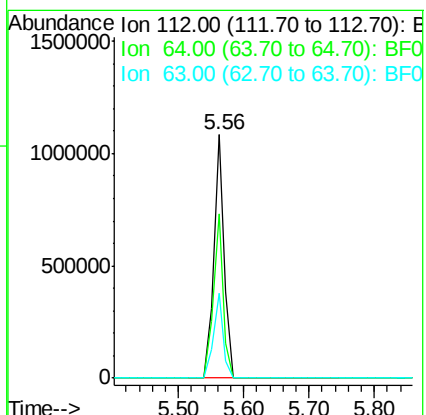
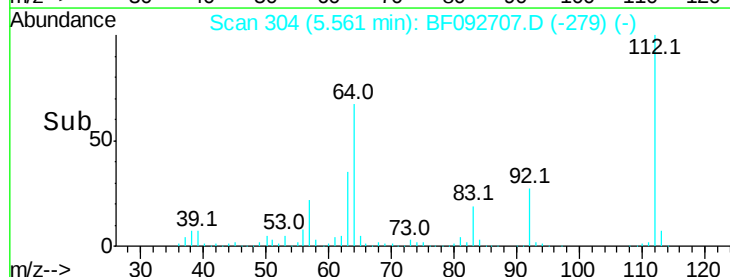
63 34.7 23.8 35.6

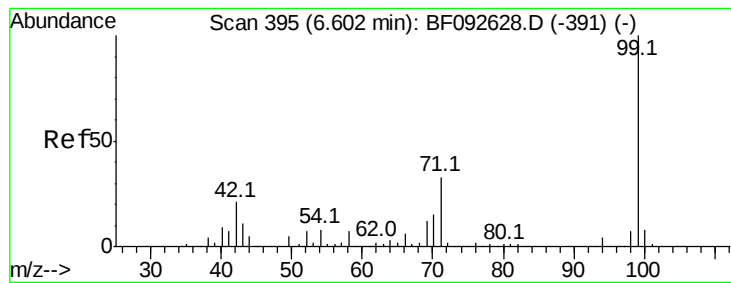


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.11 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

Instrument :

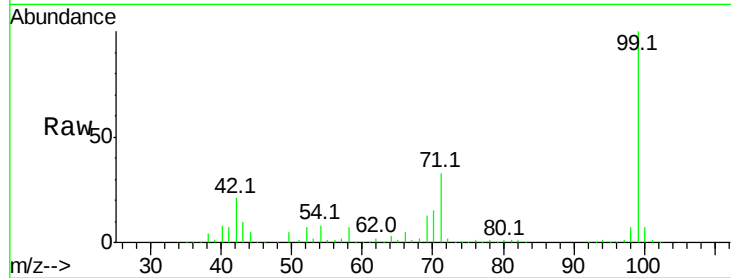
BNA\_F

ClientSampleId :

SS-2

Tot Ion: 99 Resp: 1620017

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.7  | 15.6  | 23.4  |
| 71  | 32.8  | 27.5  | 41.3  |

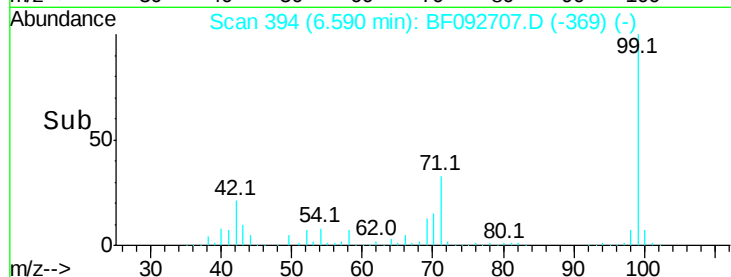


Abundance

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

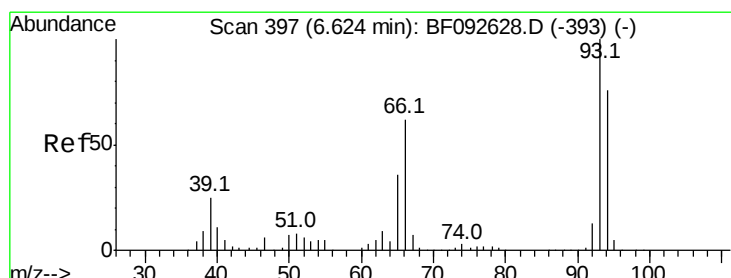


Abundance

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



#10

Phenol

Concen: 10.91 ng

RT: 6.60 min Scan# 395

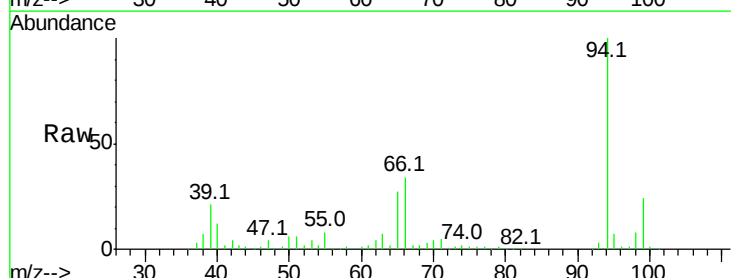
Delta R.T. -0.02 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

Tgt Ion: 94 Resp: 156467

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 26.7  | 21.4  | 61.4  |
| 66  | 34.4  | 44.0  | 84.0# |

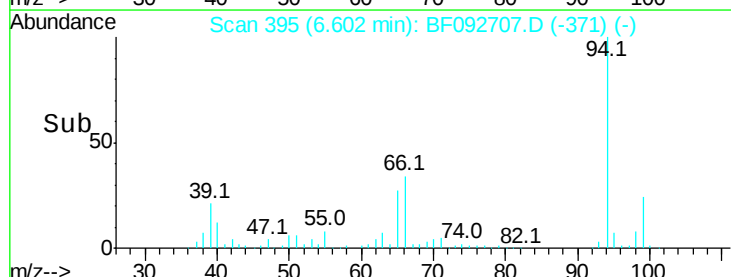


Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

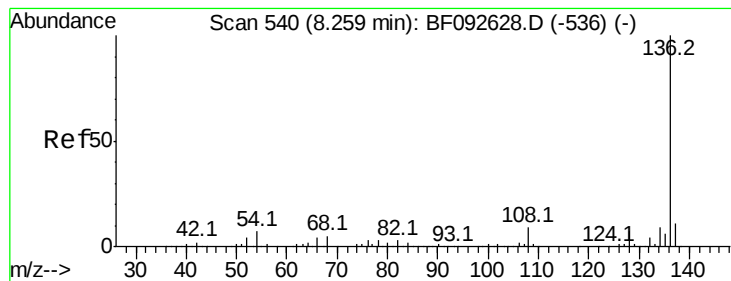


Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

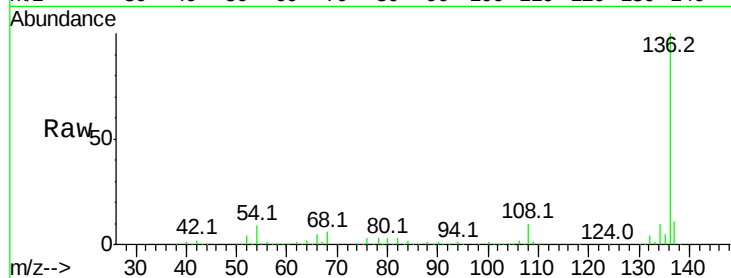
Ion 66.00 (65.70 to 66.70): BF0



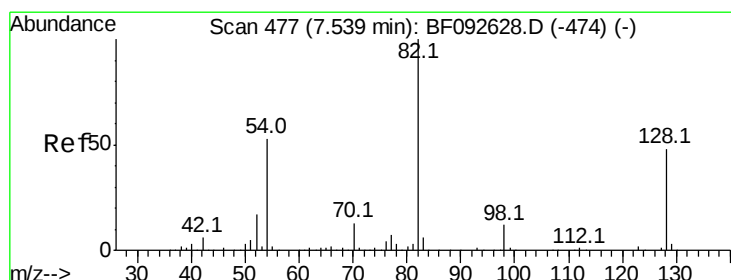
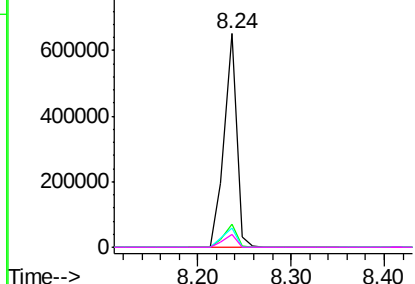
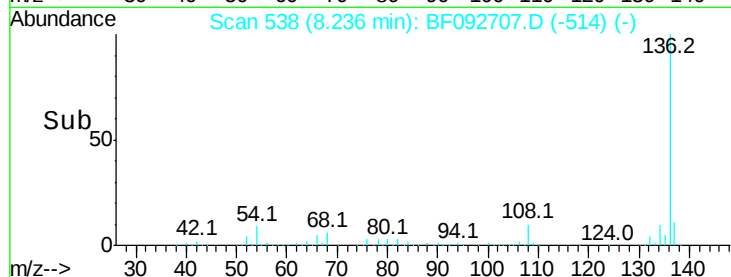
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.24 min Scan# 538  
Delta R.T. -0.02 min  
Lab File: BF092707.D  
Acq: 1 Feb 2017 16:36

Instrument :  
BNA\_F  
ClientSampleId :  
SS-2

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 606837   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.4 12.6 |
| 54          | 9.0   | 4.5 6.7# |
| 68          | 6.1   | 3.6 5.4# |

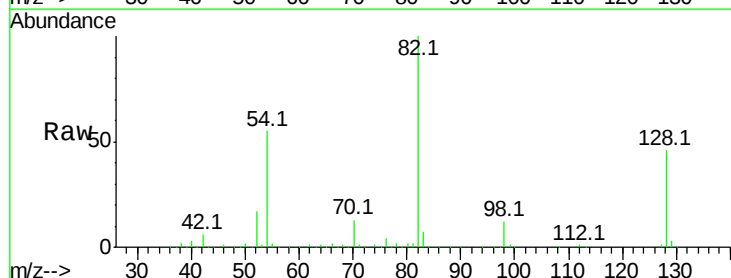


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

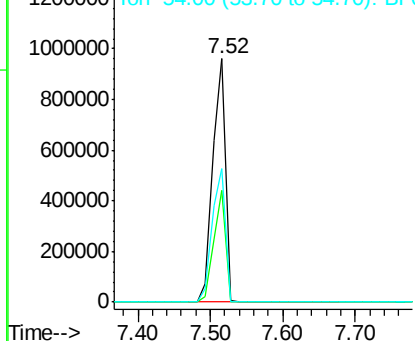
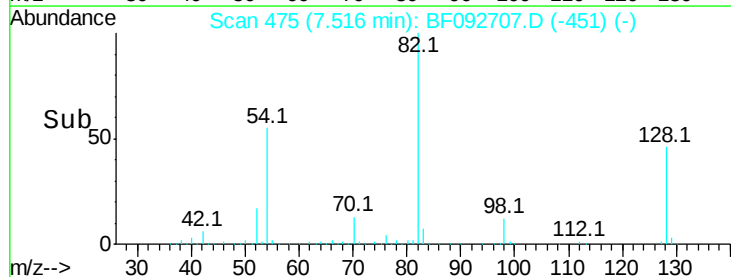


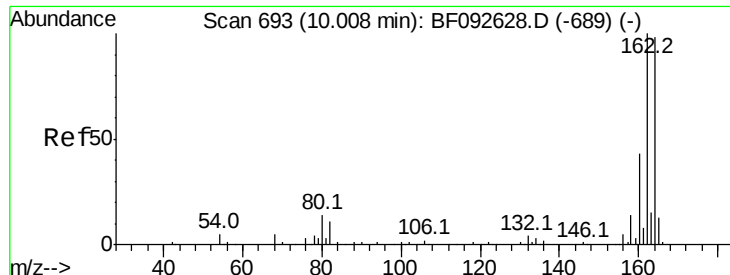
#23  
Nitrobenzene-d5  
Concen: 106.20 ng  
RT: 7.52 min Scan# 475  
Delta R.T. -0.02 min  
Lab File: BF092707.D  
Acq: 1 Feb 2017 16:36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 1157278   |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 45.9  | 34.6 52.0 |
| 54          | 54.6  | 39.5 59.3 |



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

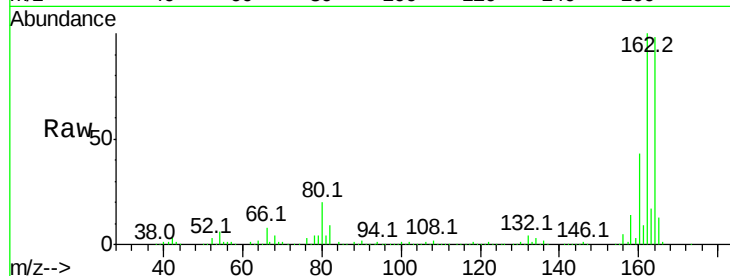




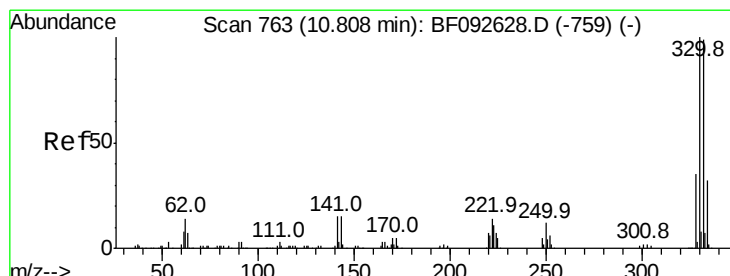
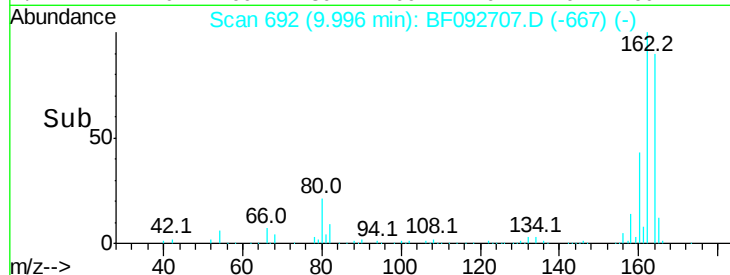
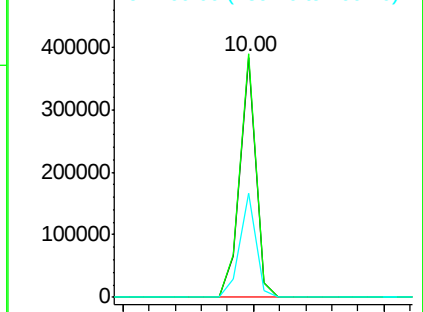
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.00 min Scan# 692  
Delta R.T. -0.01 min  
Lab File: BF092707.D  
Acq: 1 Feb 2017 16:36

Instrument :  
BNA\_F  
ClientSampled :  
SS-2

Tot Ion:164 Resp: 326527  
Ion Ratio Lower Upper  
164 100  
162 101.5 80.2 120.2  
160 43.4 36.9 55.3

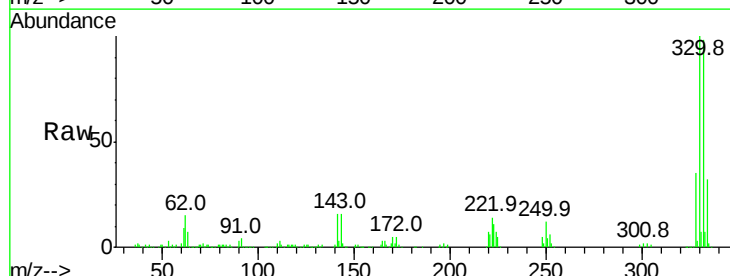


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

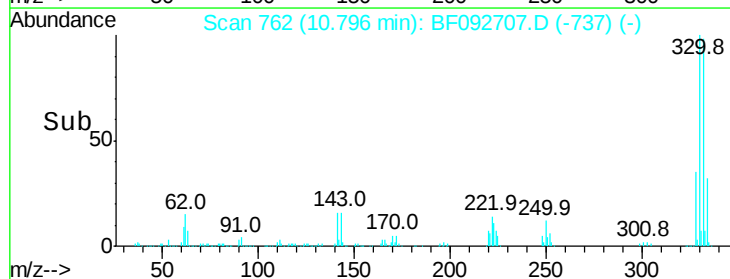
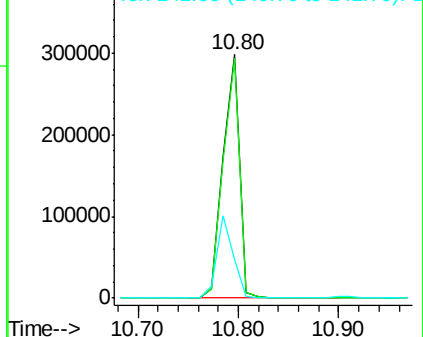


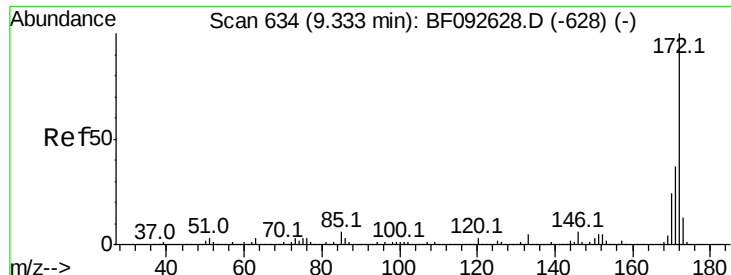
#41  
2,4,6-Tribromophenol  
Concen: 144.26 ng  
RT: 10.80 min Scan# 762  
Delta R.T. -0.01 min  
Lab File: BF092707.D  
Acq: 1 Feb 2017 16:36

Tgt Ion:330 Resp: 340697  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.4 116.2  
141 33.4 34.1 51.1#



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

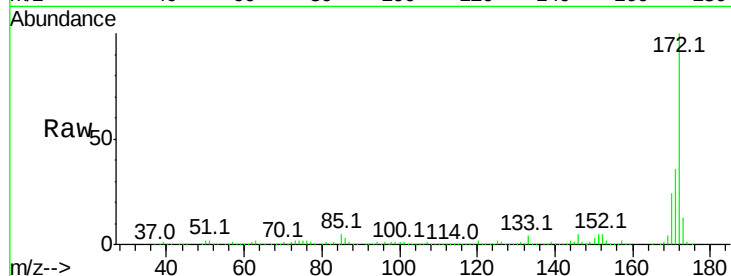




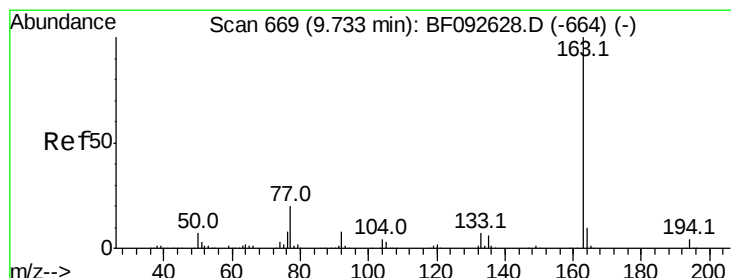
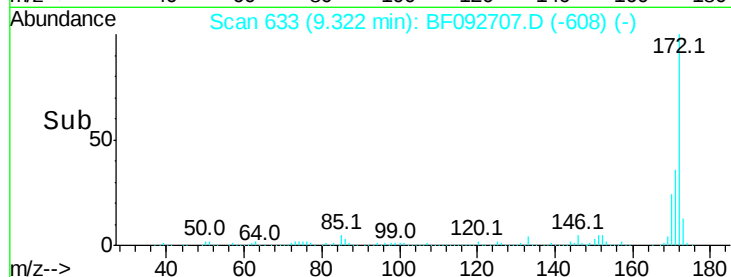
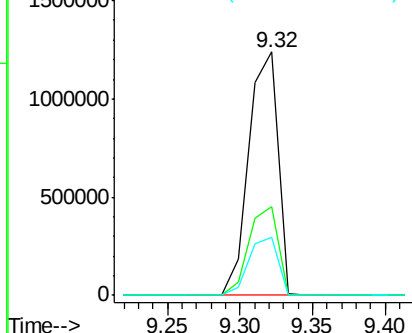
#44  
2-Fluorobiphenyl  
Concen: 96.02 ng  
RT: 9.32 min Scan# 633  
Delta R.T. -0.01 min  
Lab File: BF092707.D  
Acq: 1 Feb 2017 16:36

Instrument :  
BNA\_F  
ClientSampleId :  
SS-2

Tot Ion:172 Resp: 1730553  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.4 44.0  
170 24.1 20.2 30.4

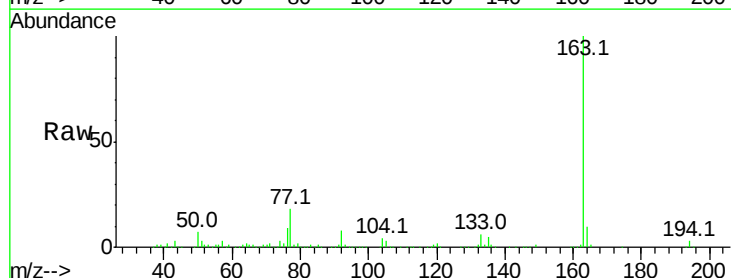


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

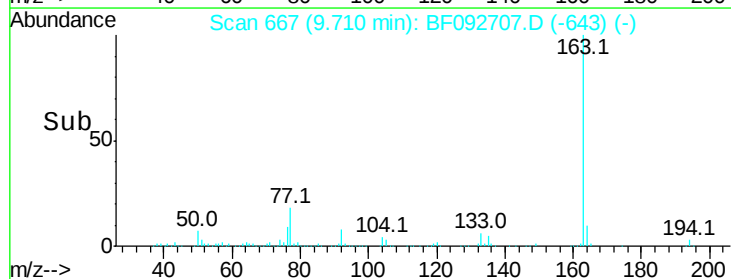
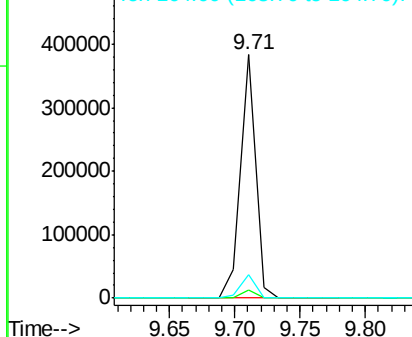


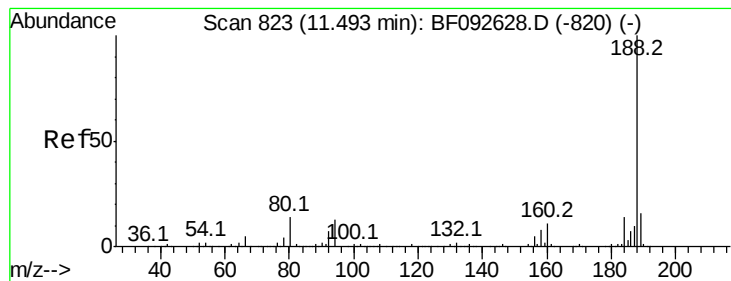
#49  
Dimethylphthalate  
Concen: 13.93 ng  
RT: 9.71 min Scan# 667  
Delta R.T. -0.02 min  
Lab File: BF092707.D  
Acq: 1 Feb 2017 16:36

Tgt Ion:163 Resp: 306417  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.0 4.4  
164 9.9 8.0 12.0



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: 11.48 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

Instrument :

BNA\_F

ClientSampleId :

SS-2

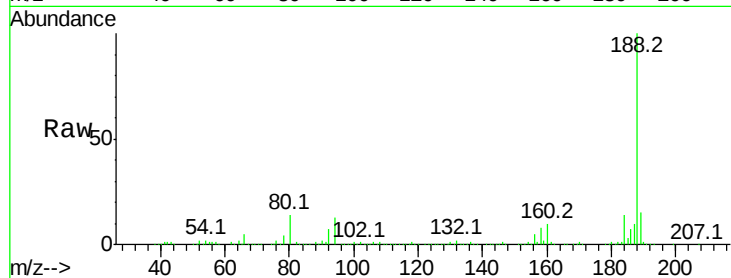
Tot Ion:188 Resp: 494845

Ion Ratio Lower Upper

188 100

94 12.6 10.0 15.0

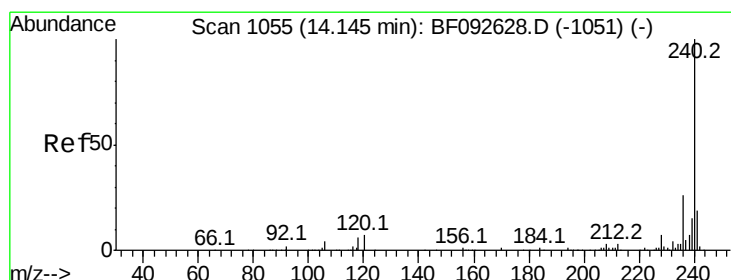
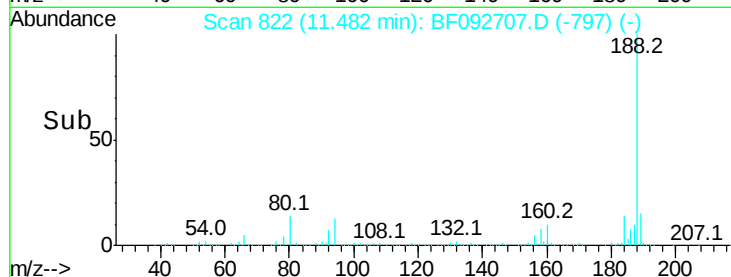
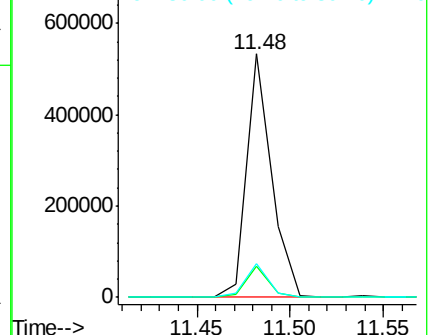
80 13.9 11.2 16.8



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: 14.12 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

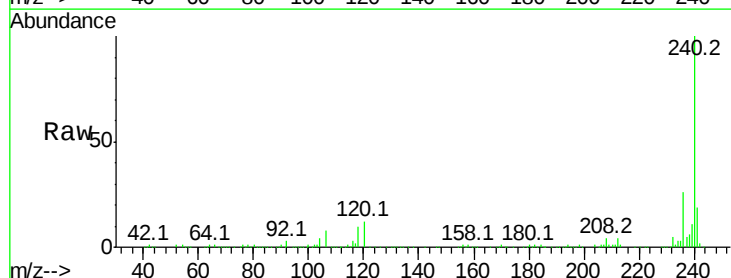
Tgt Ion:240 Resp: 457467

Ion Ratio Lower Upper

240 100

120 11.7 12.9 19.3#

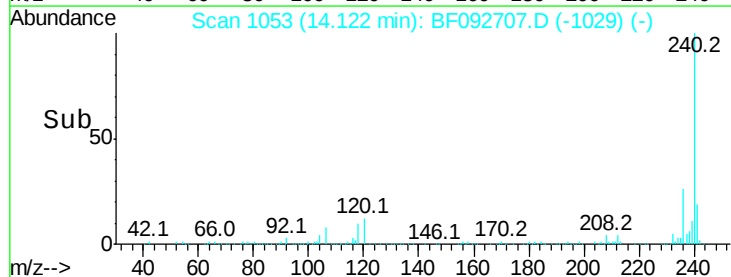
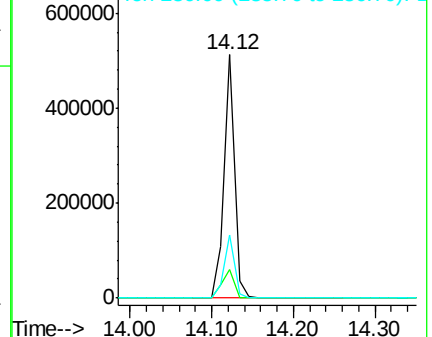
236 26.2 20.9 31.3

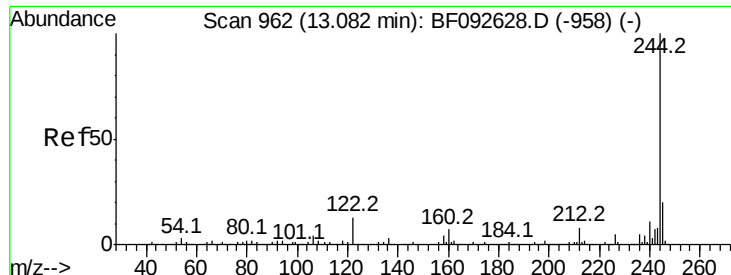


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 73.89 ng

RT: 13.07 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

Instrument :

BNA\_F

ClientSampleId :

SS-2

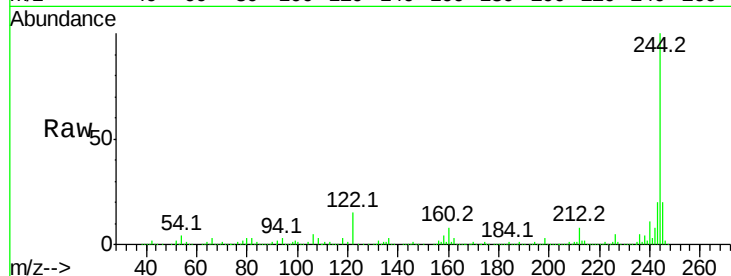
Tot Ion:244 Resp: 1438678

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

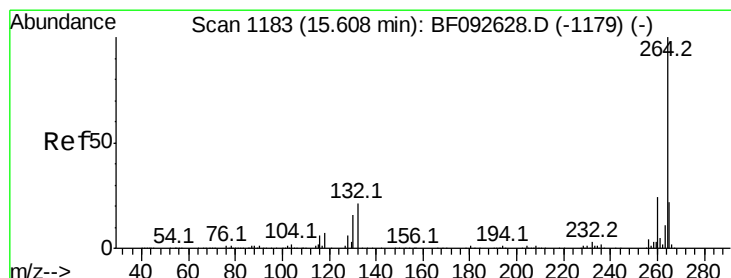
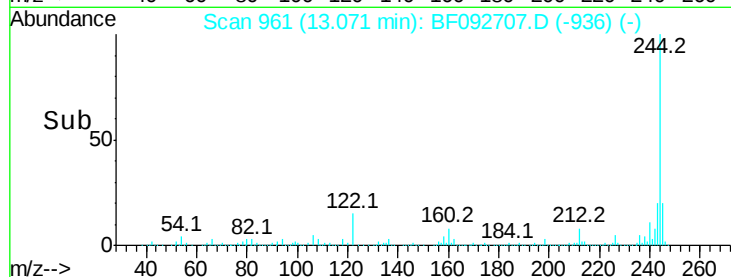
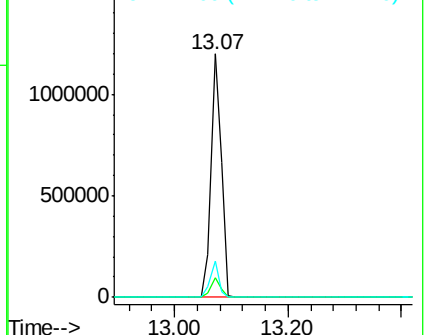
122 14.8 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.59 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF092707.D

Acq: 1 Feb 2017 16:36

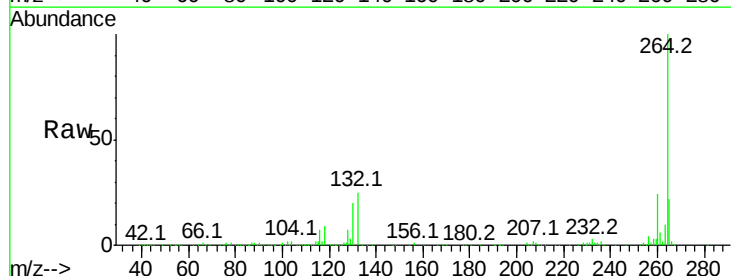
Tgt Ion:264 Resp: 330198

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.2 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

