

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\  
 Data File : BF084718.D  
 Acq On : 1 Feb 2016 19:25  
 Operator : SJ/IZ  
 Sample : H1283-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-0539

Quant Time: Feb 02 01:05:58 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 01 14:55:11 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 166678   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.00  | 136  | 714699   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.74  | 164  | 324528   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.23 | 188  | 648016   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.86 | 240  | 566804   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.24 | 264  | 399242   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 682568   | 63.79  | ng    | -0.01    |
| 7) Phenol-d6                | 6.35  | 99   | 512936   | 38.67  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 1021757  | 80.53  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 479067   | 141.52 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 2041373  | 126.44 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.82 | 244  | 1882208  | 75.25  | ng    | -0.01    |

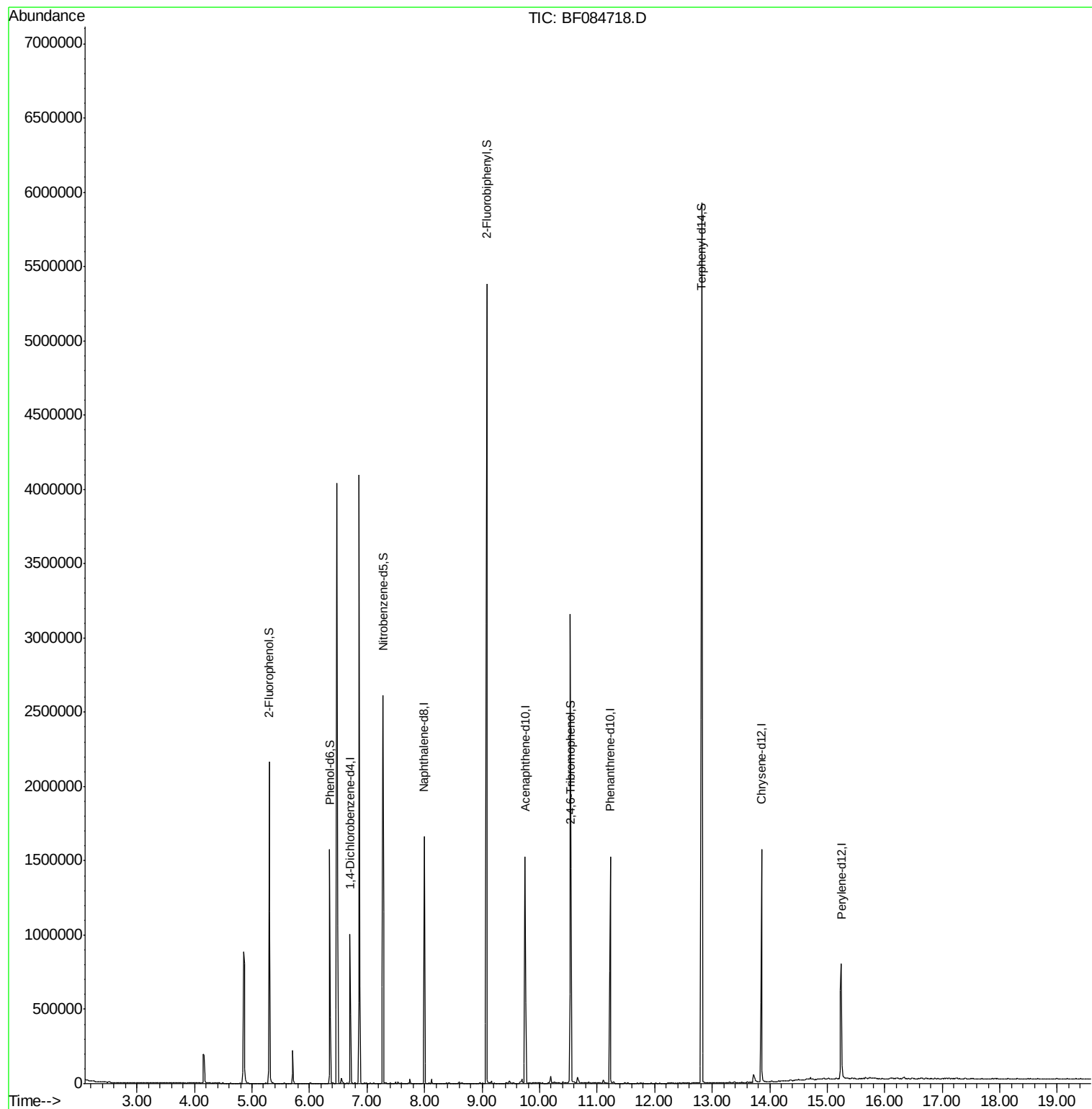
Target Compounds Qvalue

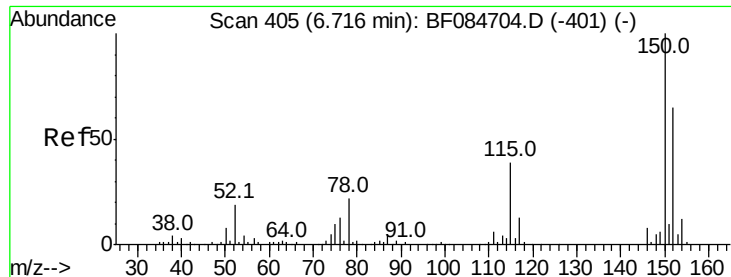
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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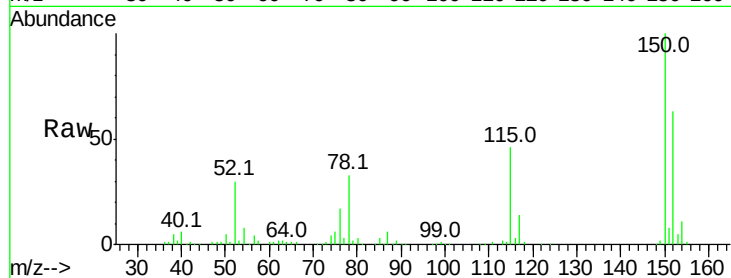


#1

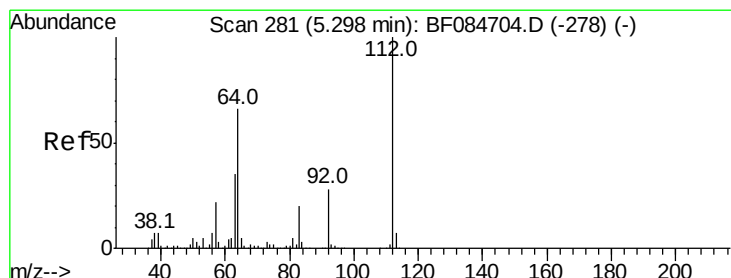
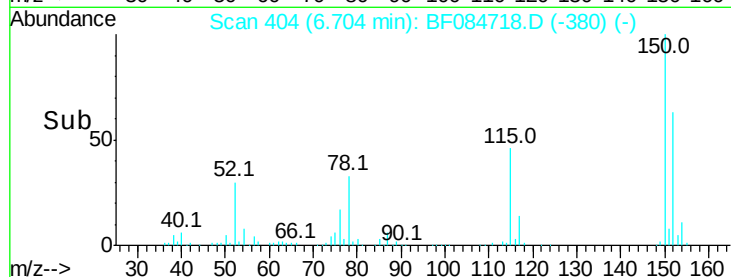
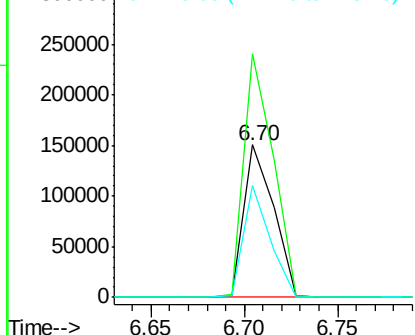
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.70 min Scan# 404  
Delta R.T. -0.02 min  
Lab File: BF084718.D  
Acq: 1 Feb 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
S8-0539

Tot Ion:152 Resp: 166678  
Ion Ratio Lower Upper  
152 100  
150 159.7 123.0 184.4  
115 73.7 51.4 77.2



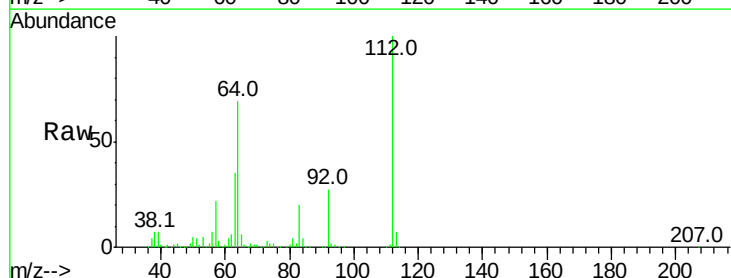
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



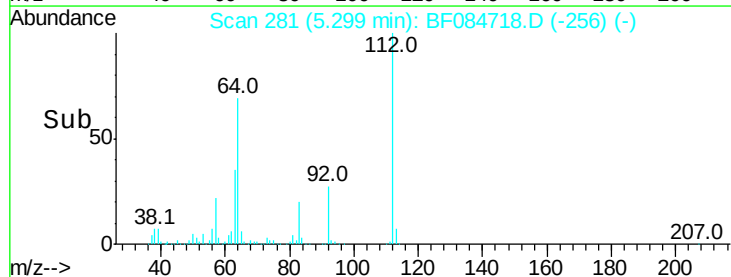
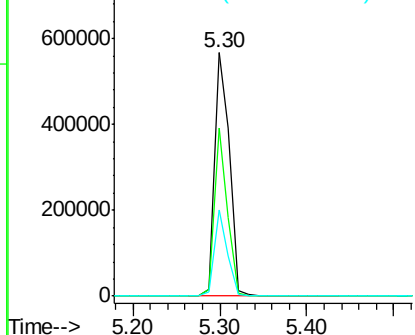
#5

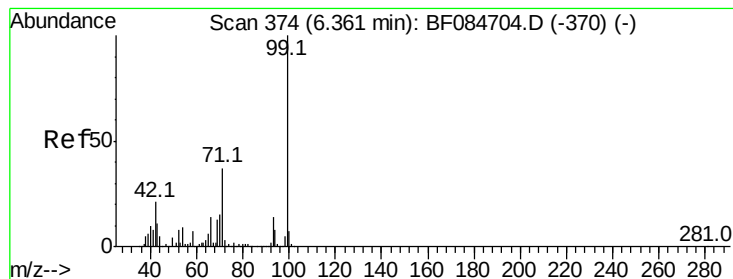
2-Fluorophenol  
Concen: 63.79 ng  
RT: 5.30 min Scan# 281  
Delta R.T. -0.01 min  
Lab File: BF084718.D  
Acq: 1 Feb 2016 19:25

Tgt Ion:112 Resp: 682568  
Ion Ratio Lower Upper  
112 100  
64 69.2 36.6 55.0#  
63 35.3 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: 38.67 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

Instrument :

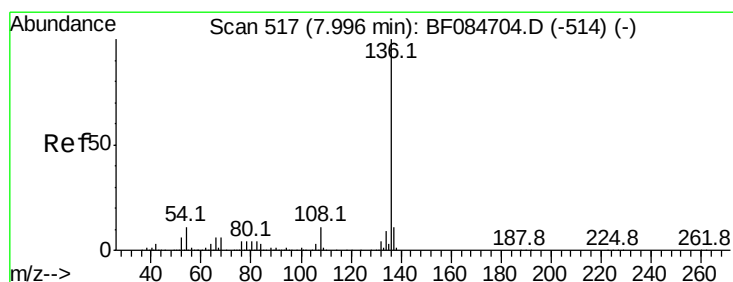
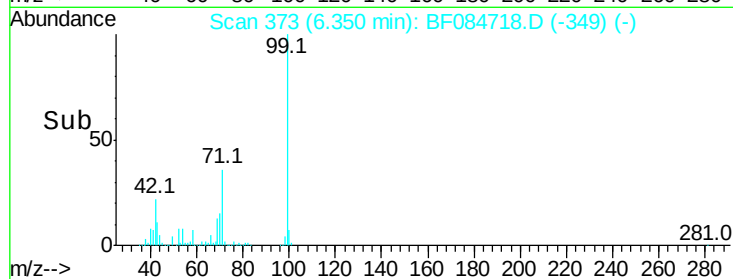
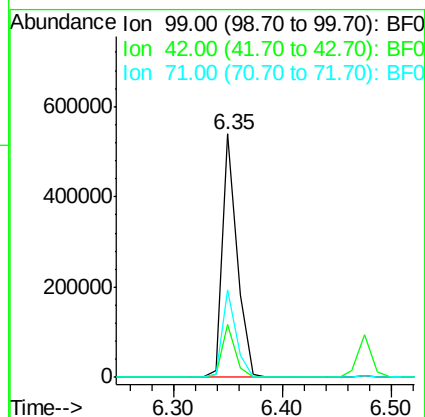
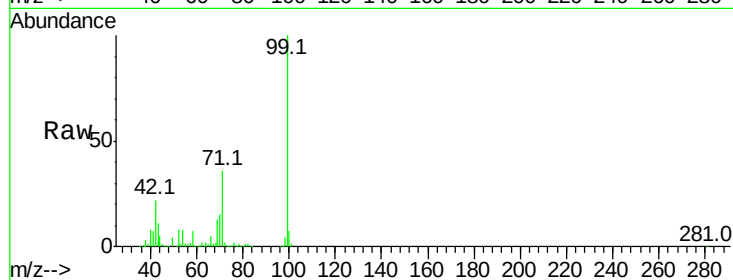
BNA\_F

ClientSampleId :

S8-0539

Tot Ion: 99 Resp: 512936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.9  | 12.8  | 19.2# |
| 71  | 36.0  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

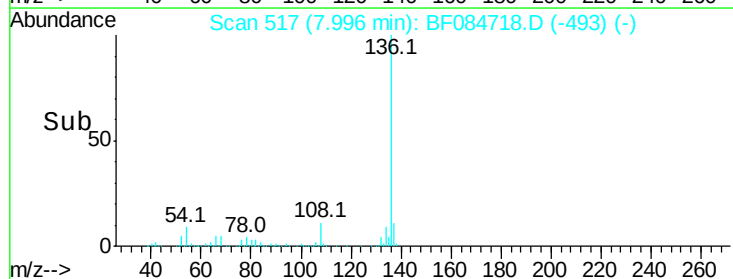
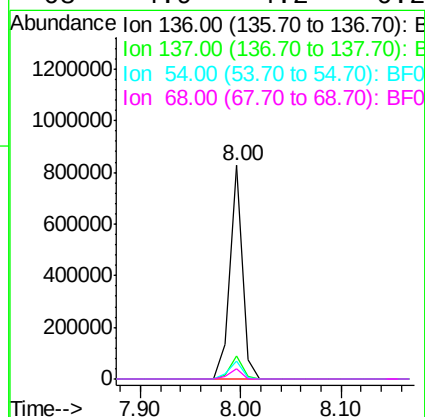
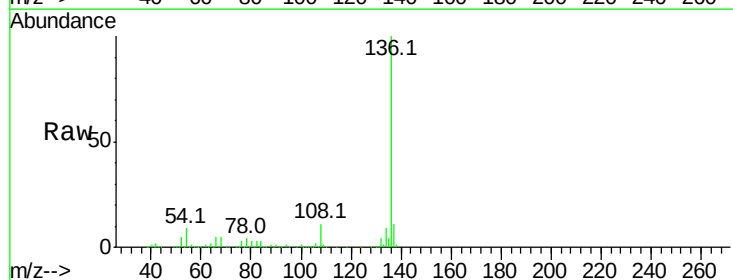
Delta R.T. -0.02 min

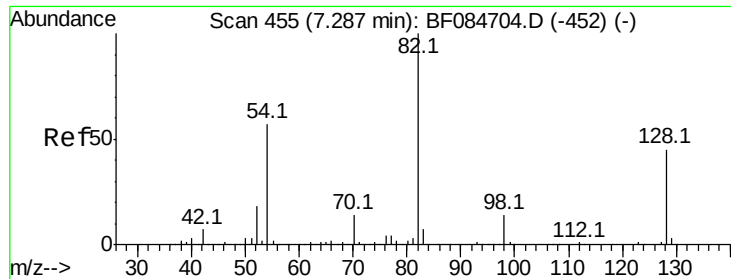
Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

Tgt Ion: 136 Resp: 714699

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.7   | 13.1  |
| 54  | 8.7   | 5.8   | 8.8   |
| 68  | 4.9   | 4.2   | 6.2   |





#23

Nitrobenzene-d5

Concen: 80.53 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

Instrument :

BNA\_F

ClientSampleId :

S8-0539

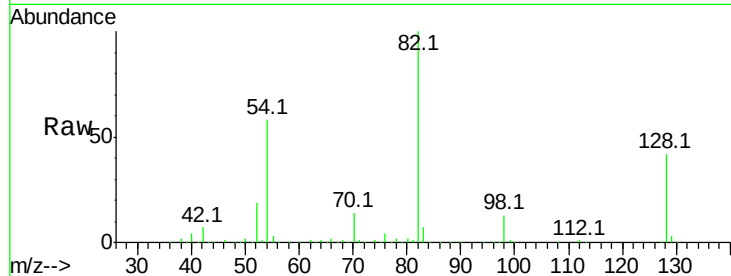
Tot Ion: 82 Resp: 1021757

Ion Ratio Lower Upper

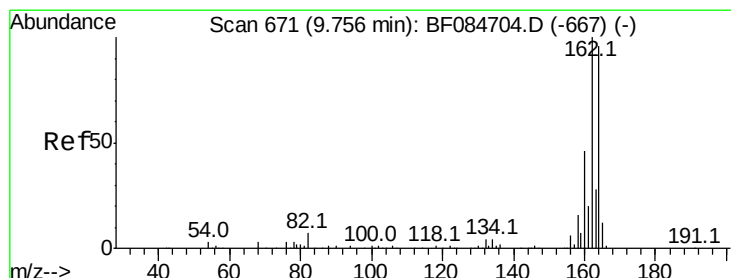
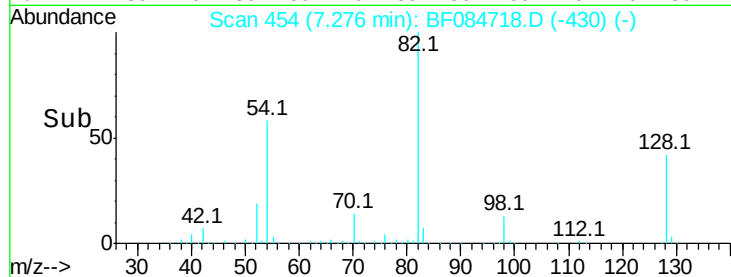
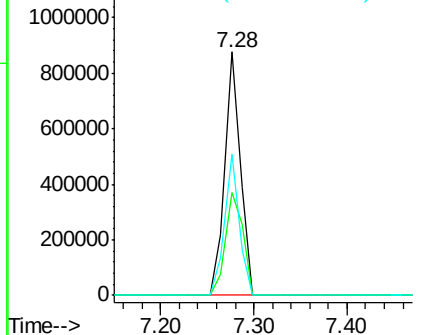
82 100

128 42.3 34.6 51.8

54 58.1 38.4 57.6#



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: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

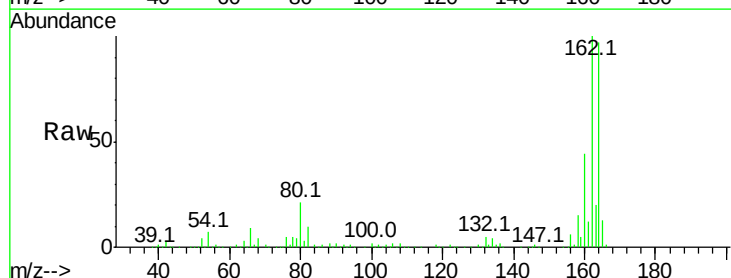
Tgt Ion:164 Resp: 324528

Ion Ratio Lower Upper

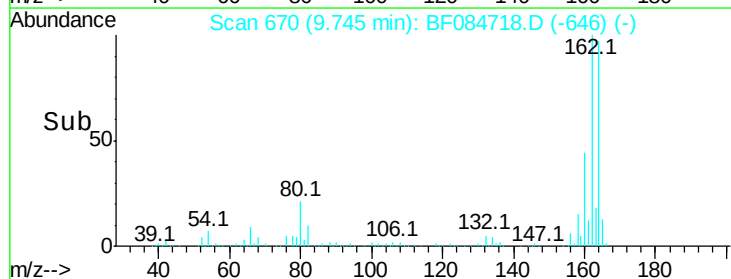
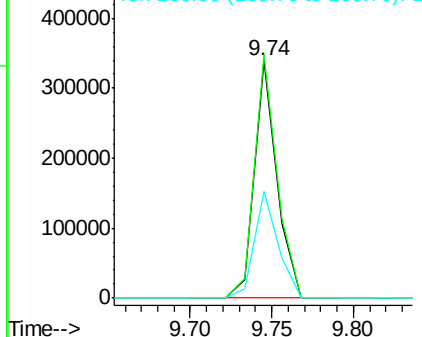
164 100

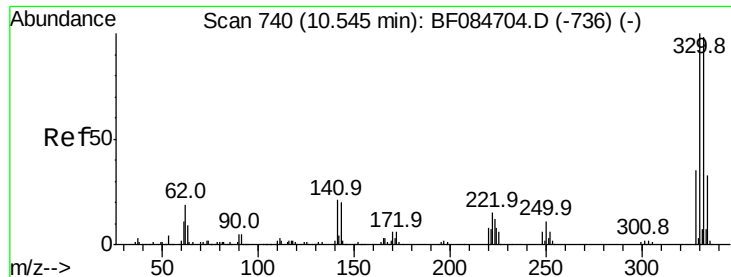
162 102.6 85.1 127.7

160 44.9 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

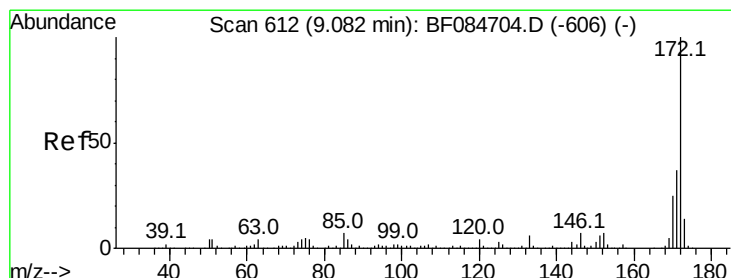
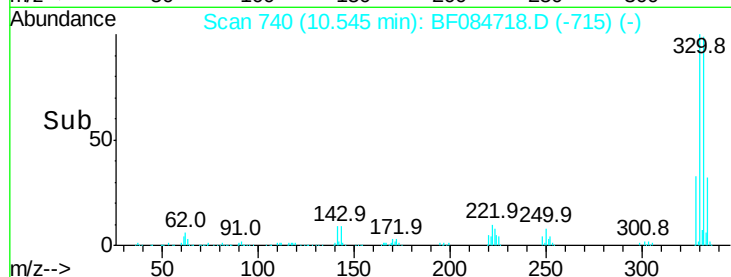
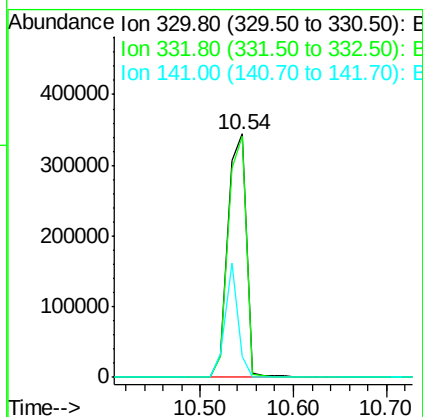
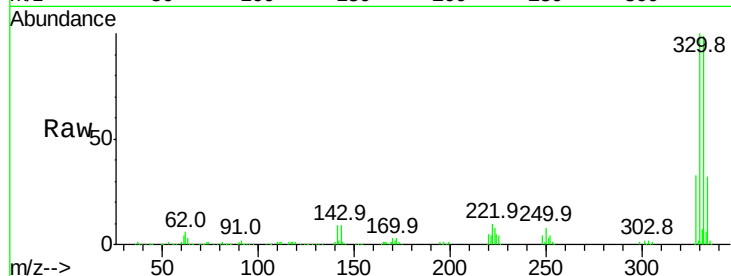




#41  
 2,4,6-Tribromophenol  
 Concen: 141.52 ng  
 RT: 10.54 min Scan# 740  
 Delta R.T. -0.01 min  
 Lab File: BF084718.D  
 Acq: 1 Feb 2016 19:25

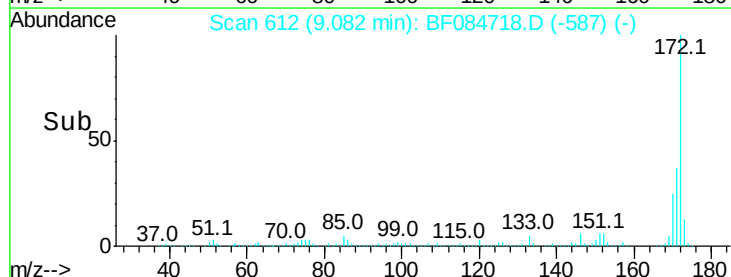
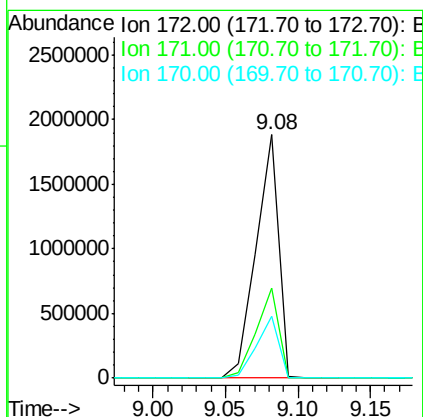
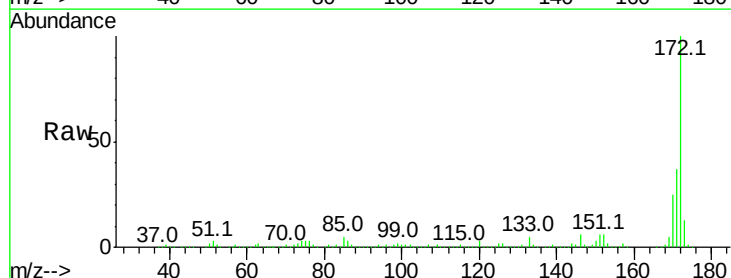
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-0539

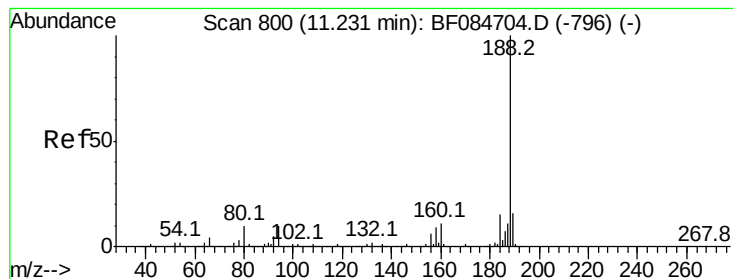
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 76.6  | 114.8 |
| 141     | 32.8  | 27.8  | 41.6  |



#44  
 2-Fluorobiphenyl  
 Concen: 126.44 ng  
 RT: 9.08 min Scan# 612  
 Delta R.T. -0.01 min  
 Lab File: BF084718.D  
 Acq: 1 Feb 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 28.9  | 43.3  |
| 170     | 25.3  | 18.6  | 27.8  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

Instrument :

BNA\_F

ClientSampleId :

S8-0539

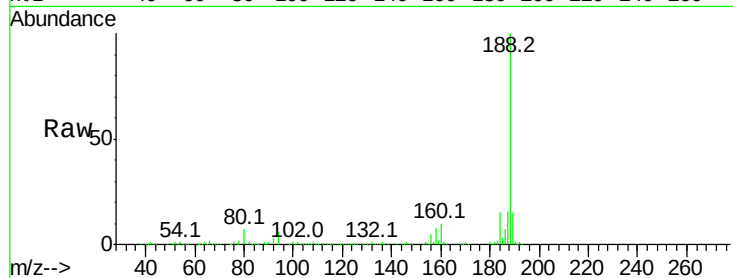
Tot Ion:188 Resp: 648016

Ion Ratio Lower Upper

188 100

94 6.4 9.0 13.4#

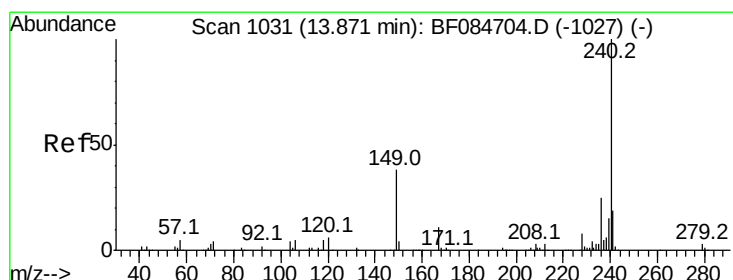
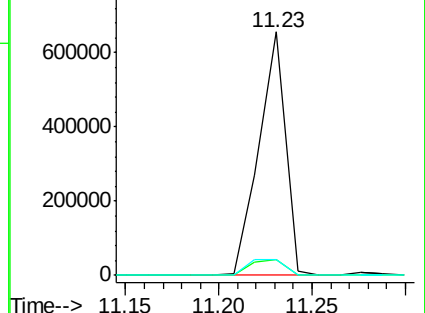
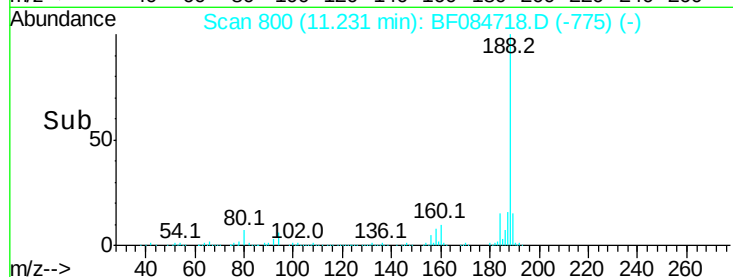
80 6.5 9.6 14.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

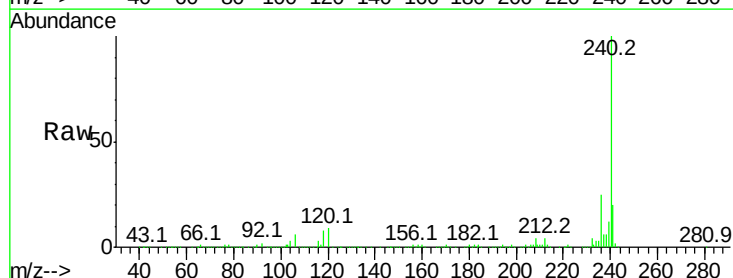
Tgt Ion:240 Resp: 566804

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

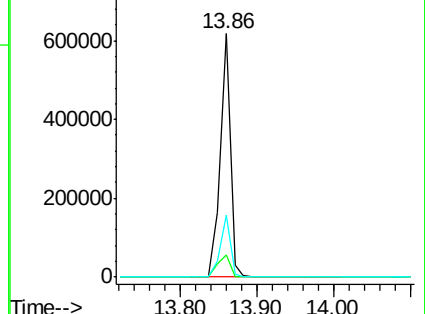
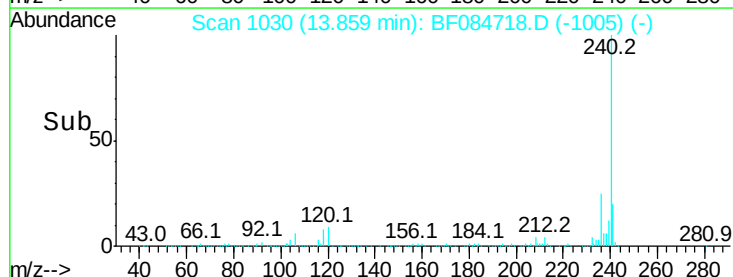
236 25.3 20.6 31.0

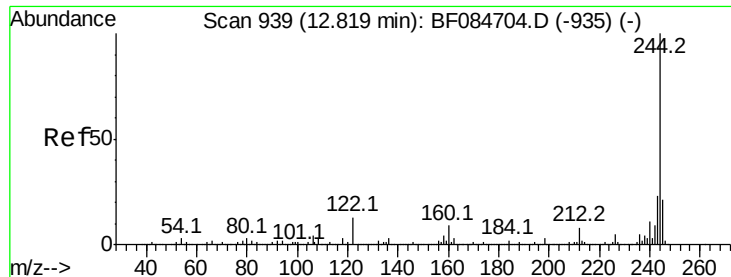


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.25 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

Instrument :

BNA\_F

ClientSampleId :

S8-0539

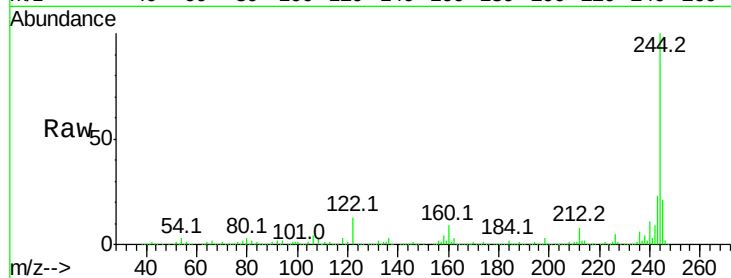
Tot Ion:244 Resp: 1882208

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

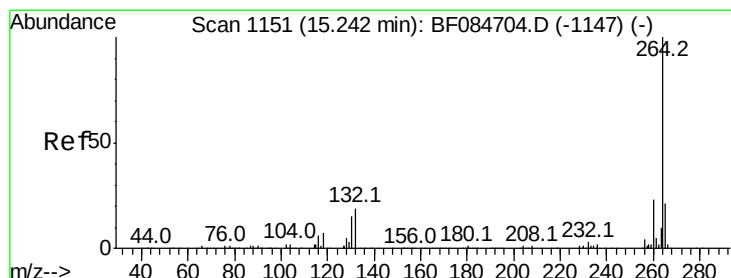
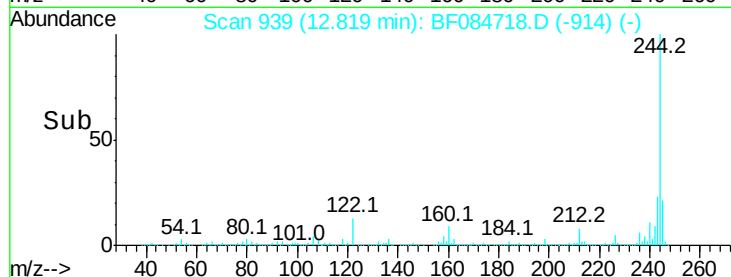
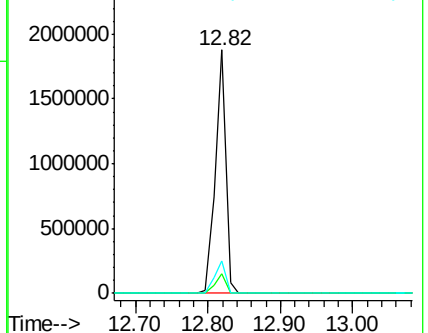
122 13.1 7.4 11.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF084718.D

Acq: 1 Feb 2016 19:25

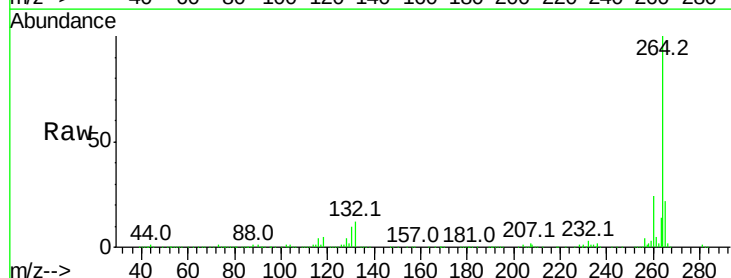
Tgt Ion:264 Resp: 399242

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.6 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

