

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\  
 Data File : BF084639.D  
 Acq On : 29 Jan 2016 16:41  
 Operator : SJ/IZ  
 Sample : H1257-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B016(12-12.5)

Quant Time: Jan 29 23:38:47 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 12:54:53 2016  
 Response via : Initial Calibration

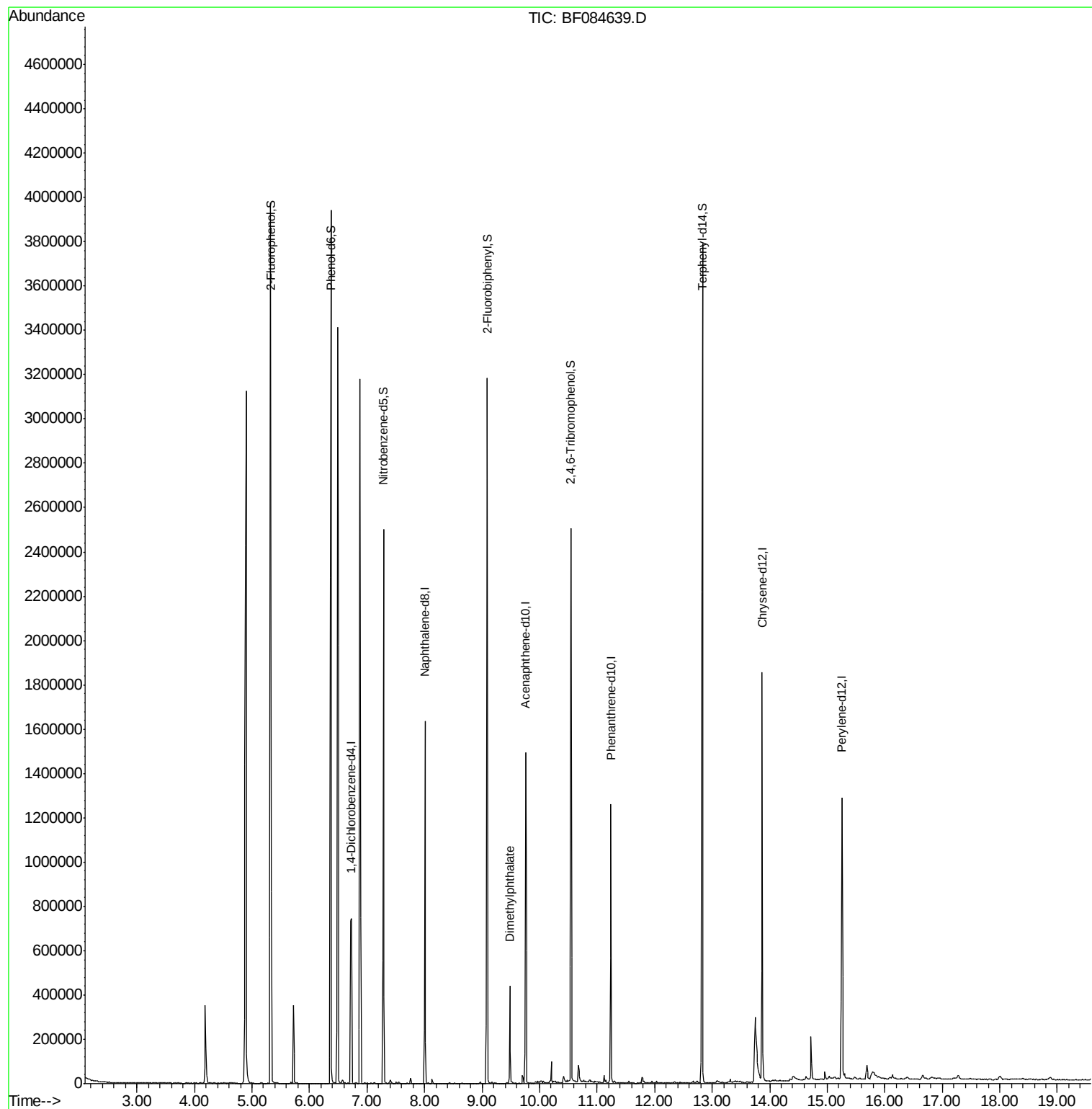
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 164405   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 698170   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.76  | 164  | 320166   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.24 | 188  | 513534   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 635786   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.25 | 264  | 551481   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 1050989  | 96.50  | ng    | 0.01     |
| 7) Phenol-d6                | 6.37  | 99   | 1529423  | 117.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 792278   | 63.42  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 290971   | 86.71  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 1449320  | 67.29  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 1429610  | 50.78  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.48  | 163  | 184666   | 7.68   | ng    | # 89     |

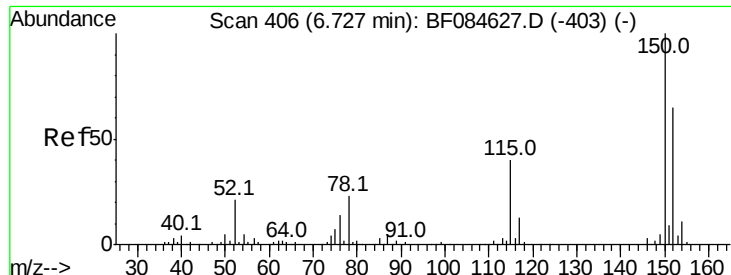
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 29 12:54:53 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

Instrument :

BNA\_F

ClientSampleId :

SUP-B016(12-12.5)

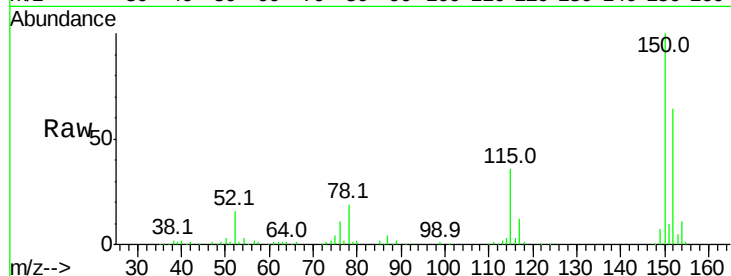
Tot Ion:152 Resp: 164405

Ion Ratio Lower Upper

152 100

150 155.1 123.0 184.4

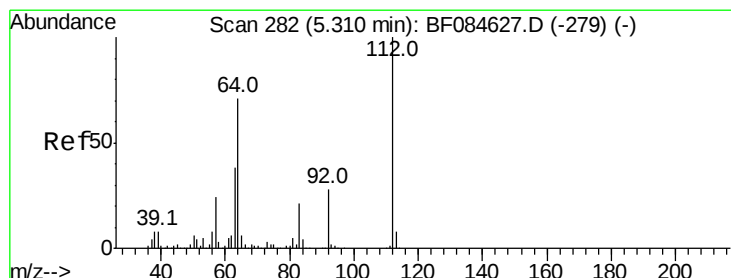
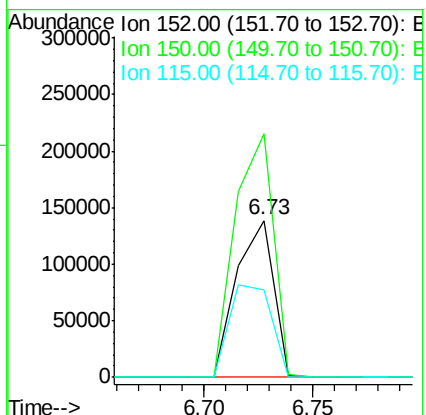
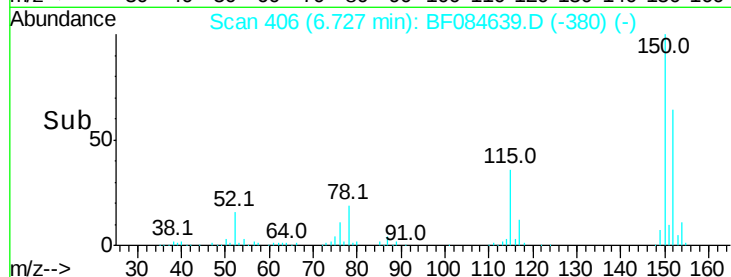
115 55.6 51.4 77.2



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: 96.50 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

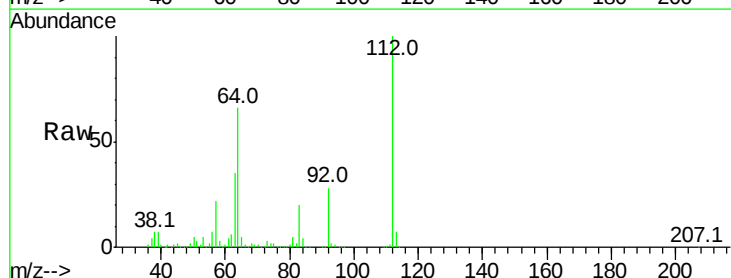
Tgt Ion:112 Resp: 1050989

Ion Ratio Lower Upper

112 100

64 66.4 36.6 55.0#

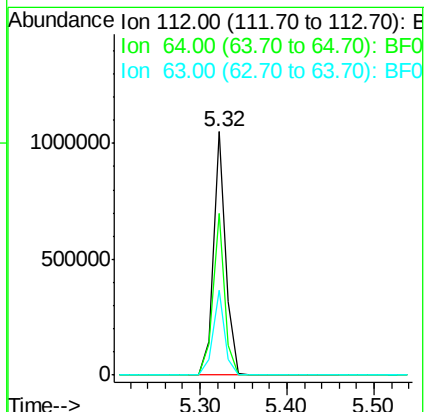
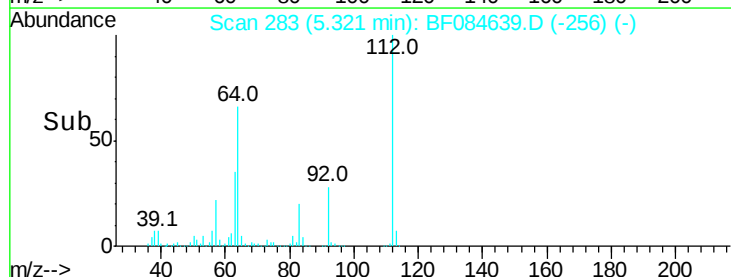
63 34.9 19.4 29.0#

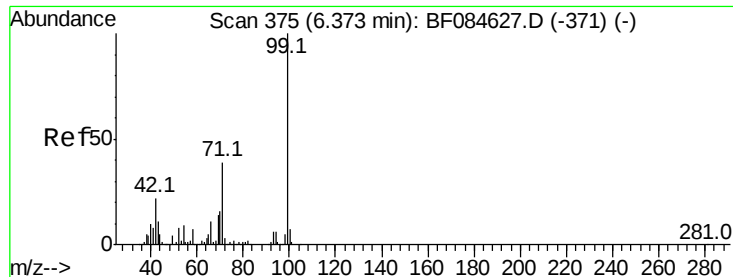


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.16 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

Instrument :

BNA\_F

ClientSampleId :

SUP-B016(12-12.5)

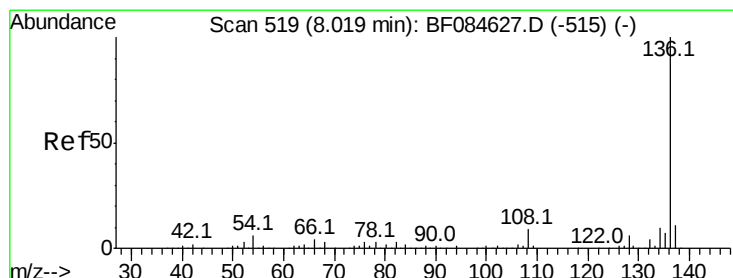
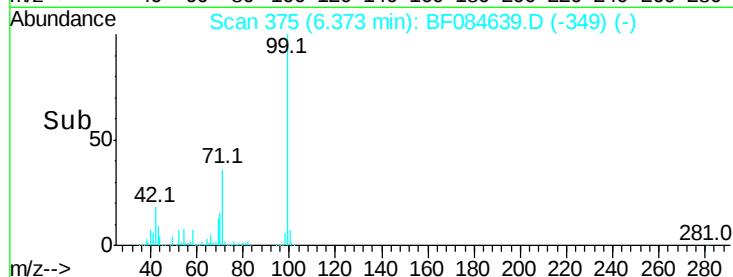
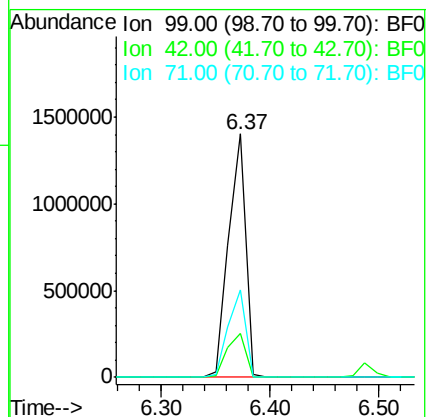
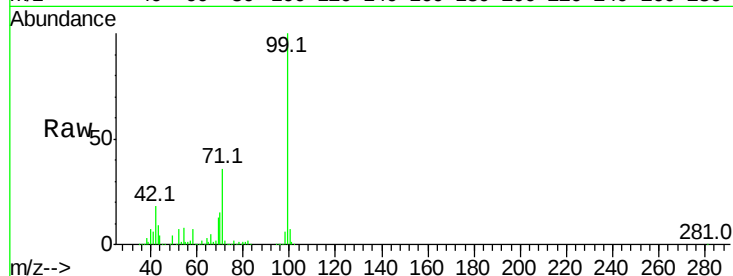
Tot Ion: 99 Resp: 1529423

Ion Ratio Lower Upper

99 100

42 18.1 12.8 19.2

71 36.1 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

Tgt Ion: 136 Resp: 698170

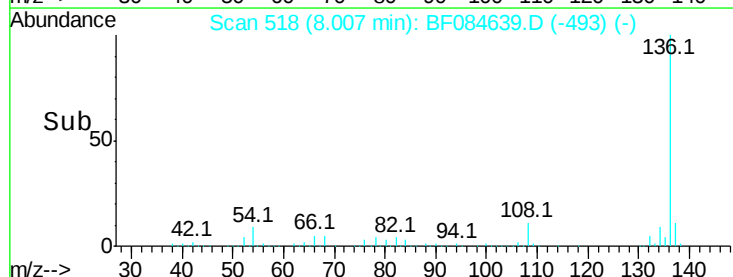
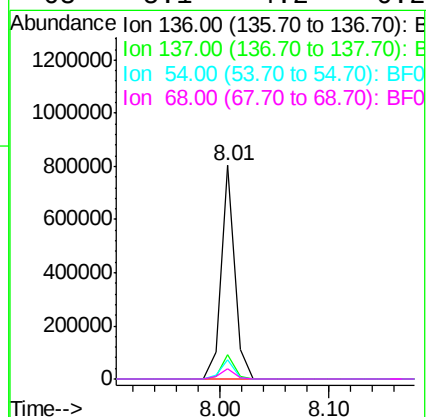
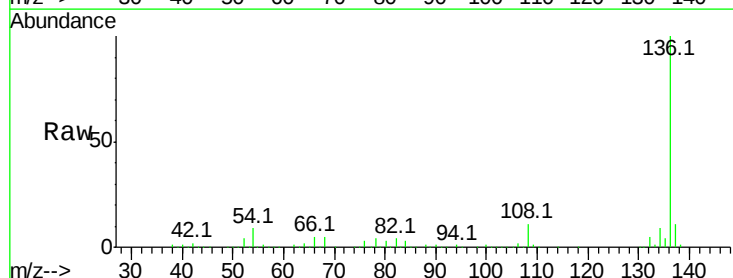
Ion Ratio Lower Upper

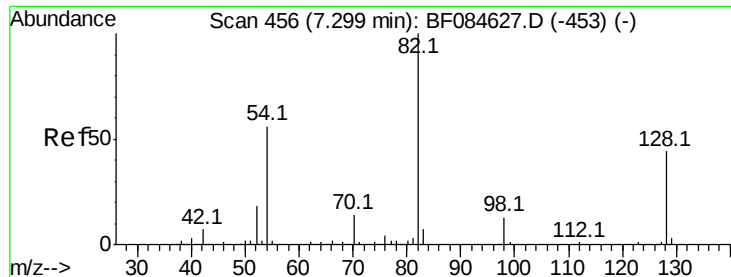
136 100

137 11.1 8.7 13.1

54 9.2 5.8 8.8#

68 5.1 4.2 6.2

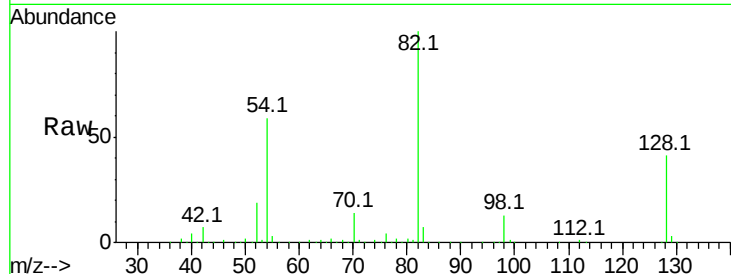




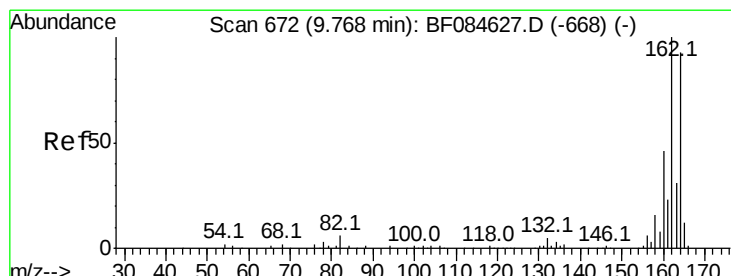
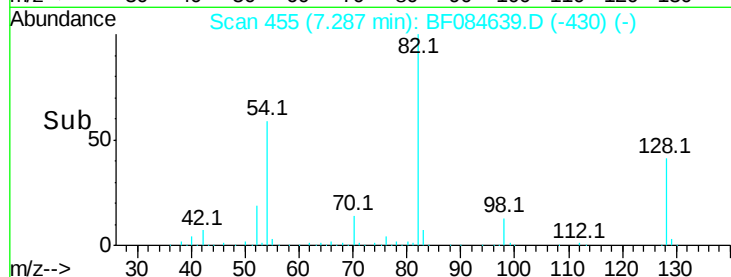
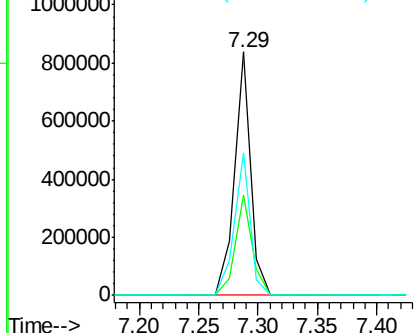
#23  
Nitrobenzene-d5  
Concen: 63.42 ng  
RT: 7.29 min Scan# 455  
Delta R.T. -0.01 min  
Lab File: BF084639.D  
Acq: 29 Jan 2016 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B016(12-12.5)

Tot Ion: 82 Resp: 792278  
Ion Ratio Lower Upper  
82 100  
128 41.2 34.6 51.8  
54 58.6 38.4 57.6#

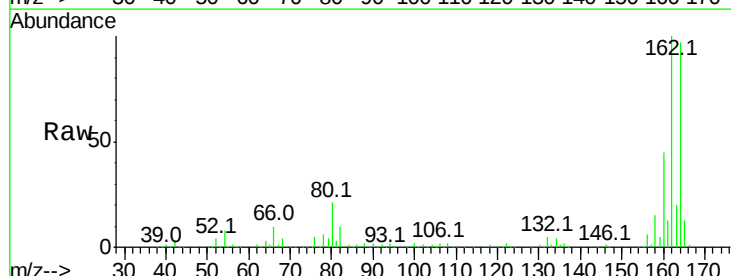


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

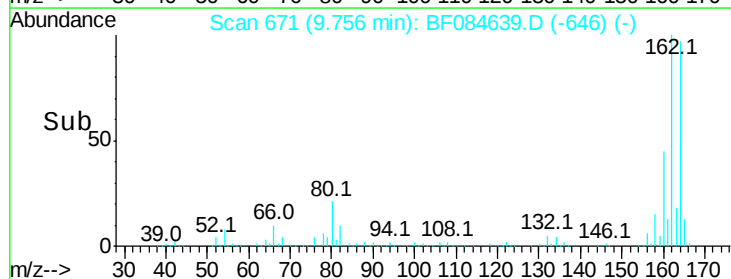
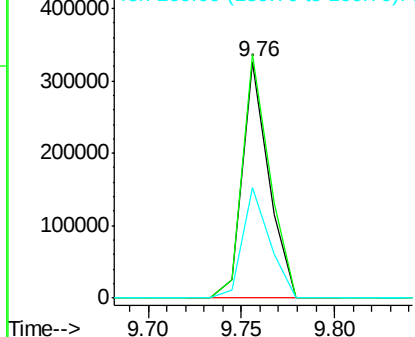


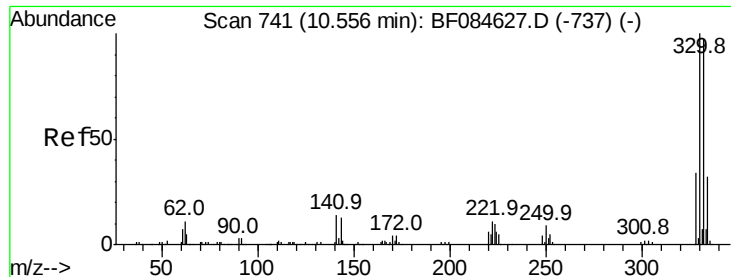
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.76 min Scan# 671  
Delta R.T. -0.01 min  
Lab File: BF084639.D  
Acq: 29 Jan 2016 16:41

Tgt Ion:164 Resp: 320166  
Ion Ratio Lower Upper  
164 100  
162 103.0 85.1 127.7  
160 46.7 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

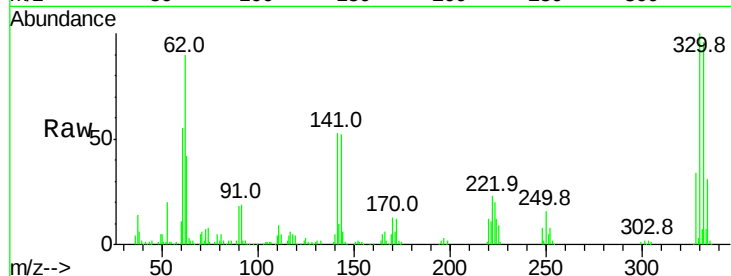




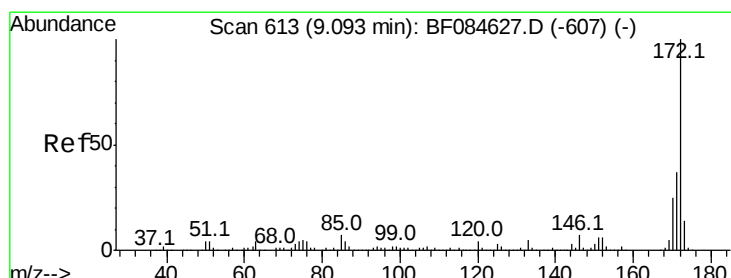
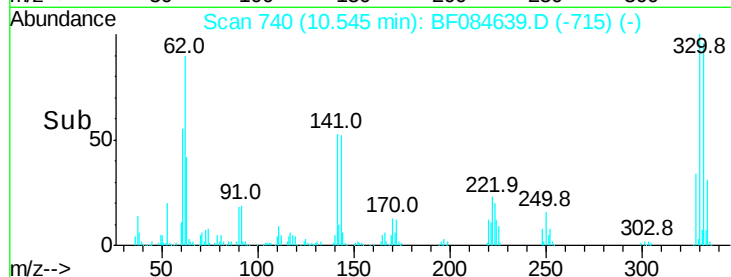
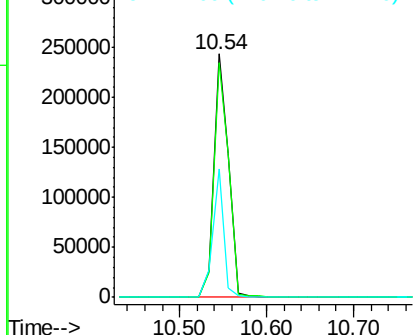
#41  
 2,4,6-Tribromophenol  
 Concen: 86.71 ng  
 RT: 10.54 min Scan# 740  
 Delta R.T. -0.01 min  
 Lab File: BF084639.D  
 Acq: 29 Jan 2016 16:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B016(12-12.5)

Tot Ion:330 Resp: 290971  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 76.6 114.8  
 141 39.7 27.8 41.6

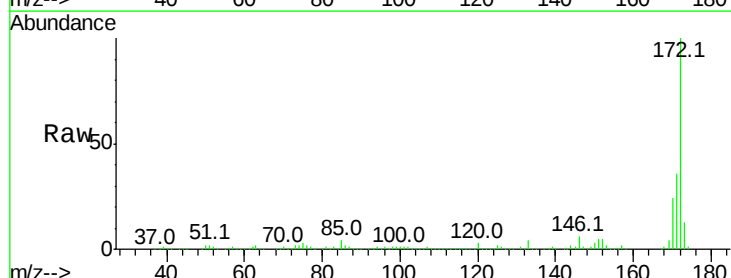


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

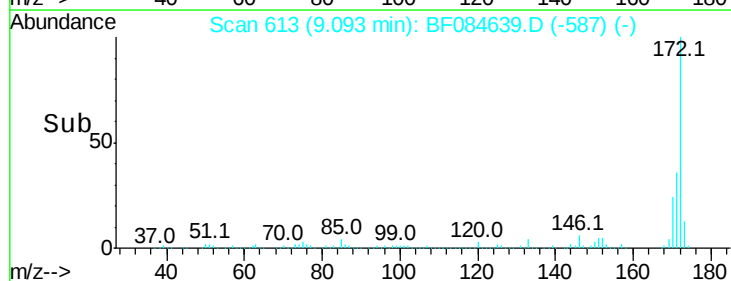
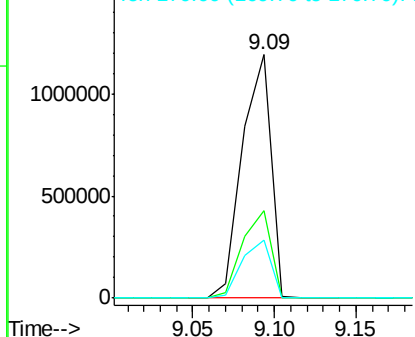


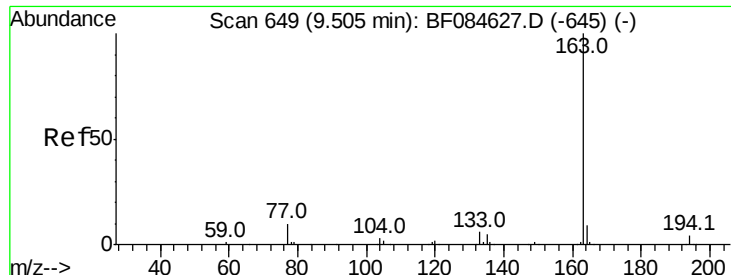
#44  
 2-Fluorobiphenyl  
 Concen: 67.29 ng  
 RT: 9.09 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: BF084639.D  
 Acq: 29 Jan 2016 16:41

Tgt Ion:172 Resp: 1449320  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.9 43.3  
 170 24.0 18.6 27.8



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: 7.68 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

Instrument :

BNA\_F

ClientSampleId :

SUP-B016(12-12.5)

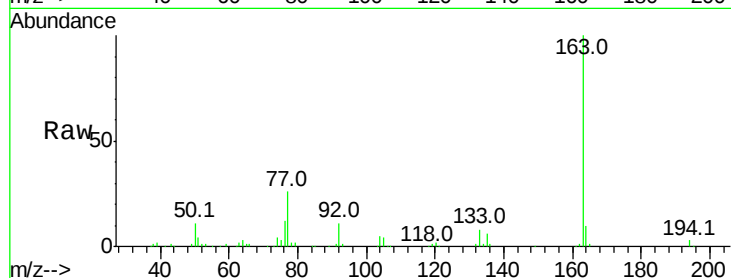
Tot Ion:163 Resp: 184666

Ion Ratio Lower Upper

163 100

194 2.5 8.0 12.0#

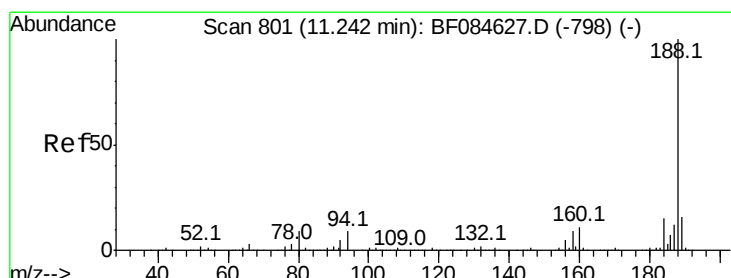
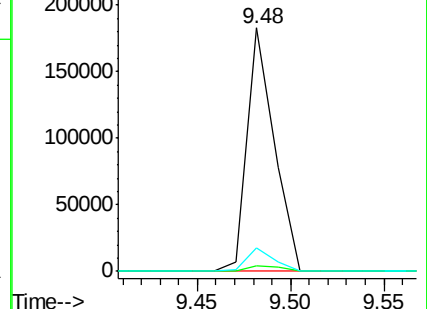
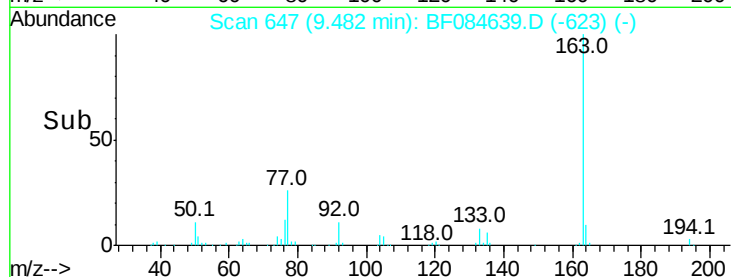
164 9.6 8.0 12.0



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: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

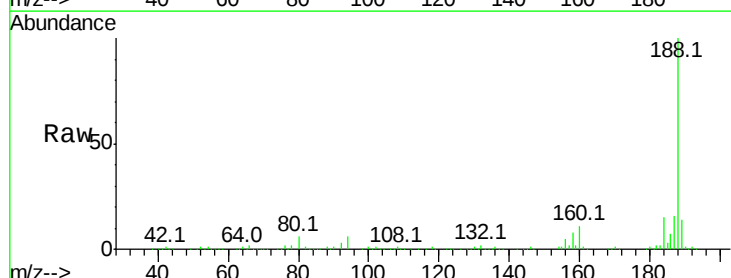
Tgt Ion:188 Resp: 513534

Ion Ratio Lower Upper

188 100

94 5.7 9.0 13.4#

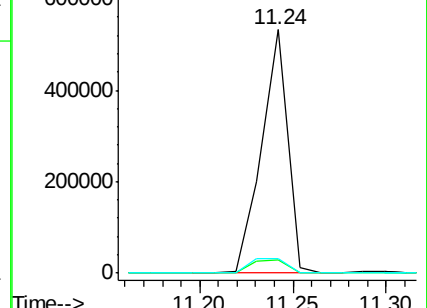
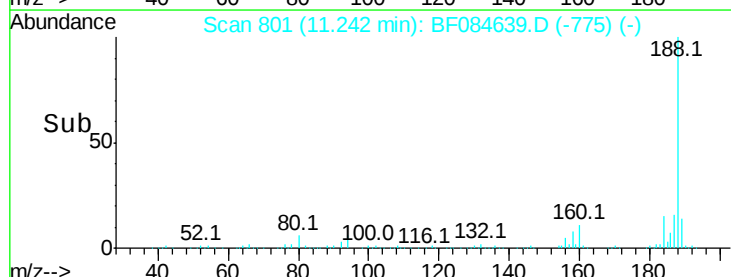
80 5.9 9.6 14.4#

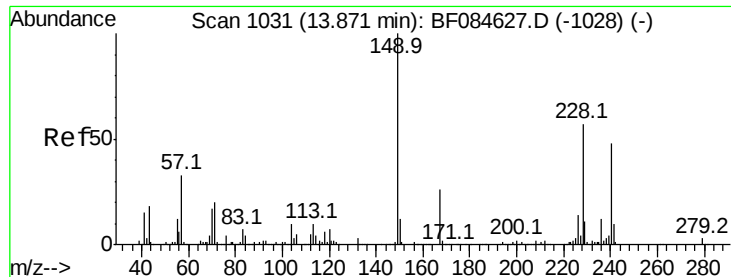


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

Instrument :

BNA\_F

ClientSampleId :

SUP-B016(12-12.5)

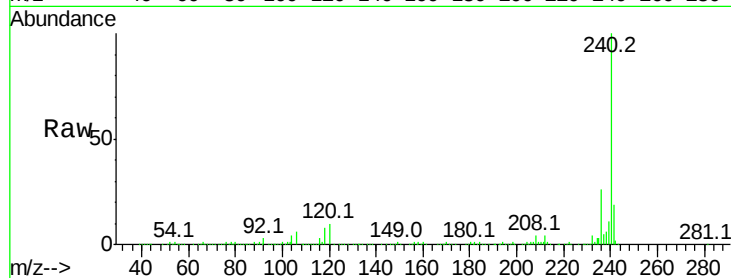
Tot Ion:240 Resp: 635786

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

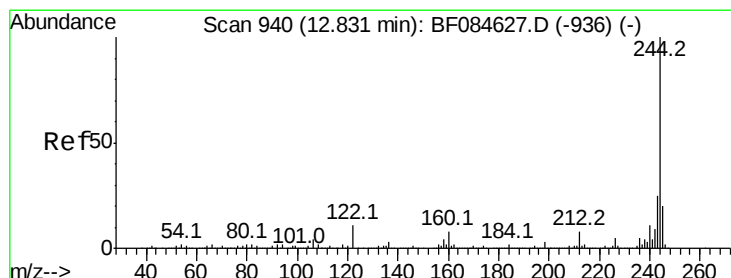
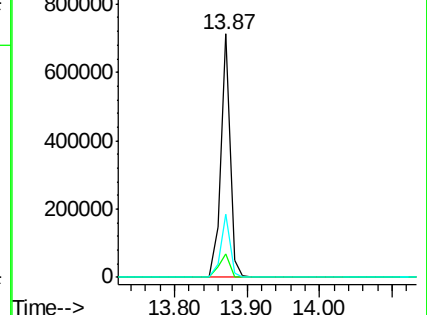
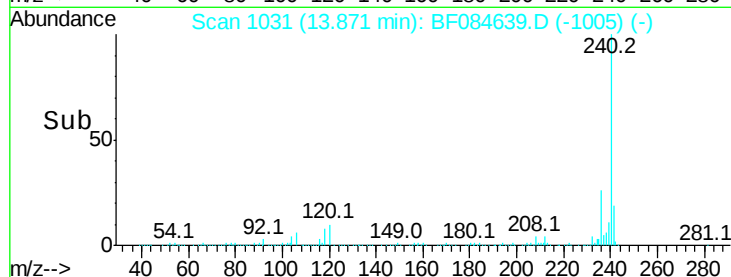
236 25.7 20.6 31.0



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: 50.78 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084639.D

Acq: 29 Jan 2016 16:41

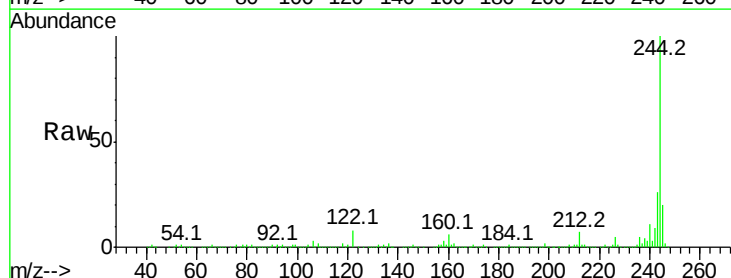
Tgt Ion:244 Resp: 1429610

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

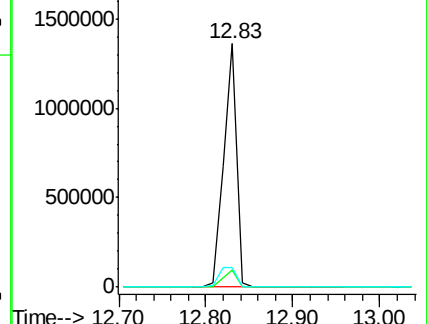
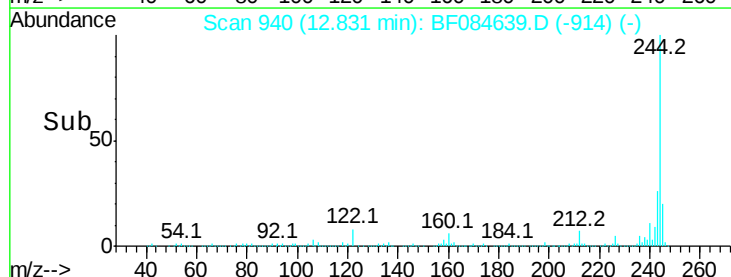
122 7.9 7.4 11.0

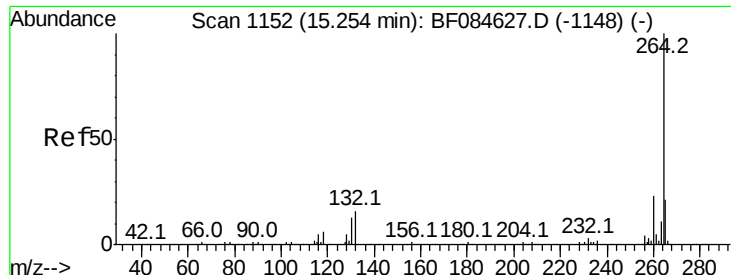


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

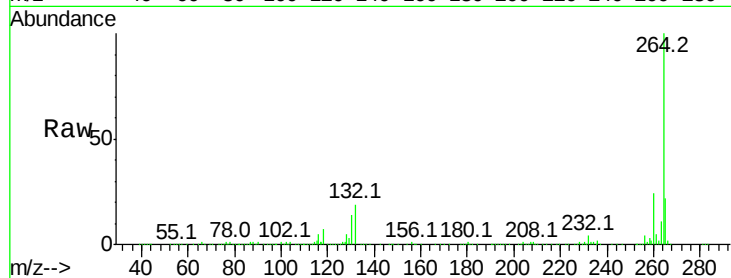




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.25 min Scan# 1152  
Delta R.T. -0.00 min  
Lab File: BF084639.D  
Acq: 29 Jan 2016 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B016(12-12.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.4  | 29.2  |
| 265     | 21.9  | 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

