

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122916\  
 Data File : BF092030.D  
 Acq On : 29 Dec 2016 18:06  
 Operator : UM/SJ  
 Sample : H6301-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-32

Quant Time: Dec 30 00:02:16 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 17:32:10 2016  
 Response via : Initial Calibration

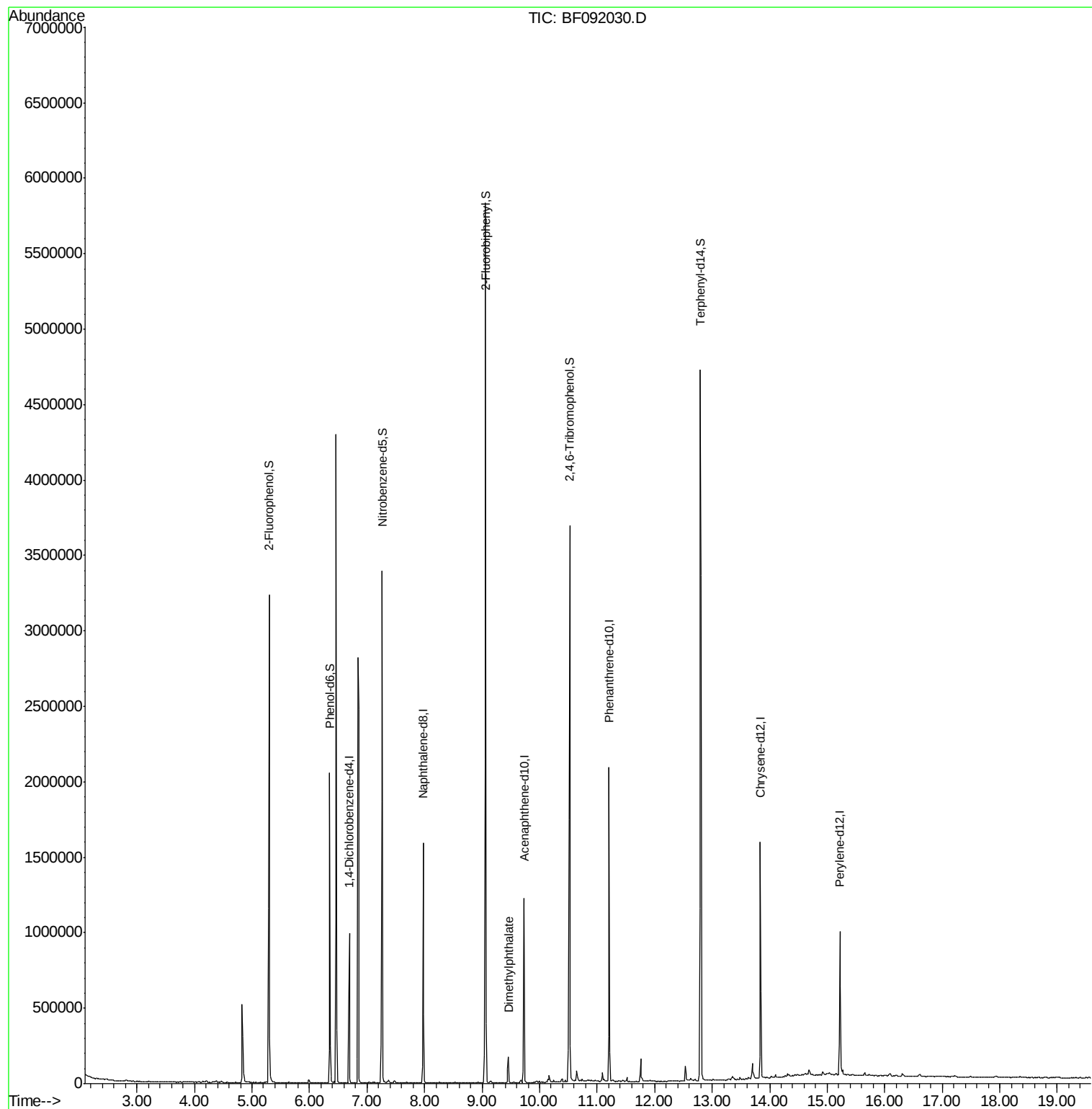
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 180622   | 20.00  | ng    | -0.01         |
| 21) Naphthalene-d8          | 7.97  | 136  | 744185   | 20.00  | ng    | -0.02         |
| 38) Acenaphthene-d10        | 9.73  | 164  | 412025   | 20.00  | ng    | -0.02         |
| 63) Phenanthrene-d10        | 11.21 | 188  | 708383   | 20.00  | ng    | -0.02         |
| 75) Chrysene-d12            | 13.84 | 240  | 582397   | 20.00  | ng    | -0.03         |
| 86) Perylene-d12            | 15.22 | 264  | 462887   | 20.00  | ng    | -0.03         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.30  | 112  | 974586   | 90.09  | ng    | -0.02         |
| 7) Phenol-d6                | 6.35  | 99   | 634921   | 48.07  | ng    | -0.03         |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 1360573  | 101.66 | ng    | -0.02         |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 456921   | 134.00 | ng    | -0.02         |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1911776  | 96.87  | ng    | -0.02         |
| 78) Terphenyl-d14           | 12.80 | 244  | 2160418  | 89.97  | ng    | -0.02         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.46  | 163  | 86936    | 3.30   | ng    | Qvalue<br>100 |

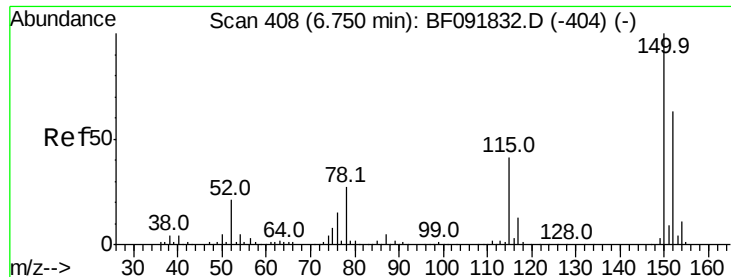
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

Instrument :

BNA\_F

ClientSampleId :

MW-32

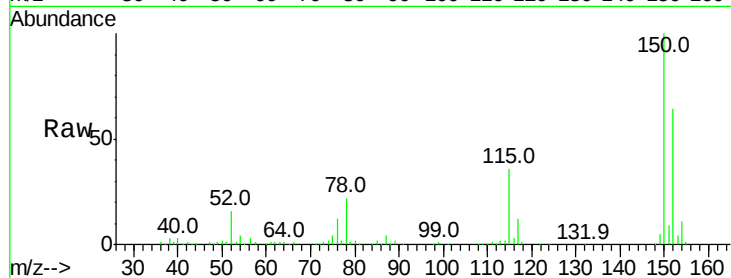
Tot Ion:152 Resp: 180622

Ion Ratio Lower Upper

152 100

150 156.1 124.9 187.3

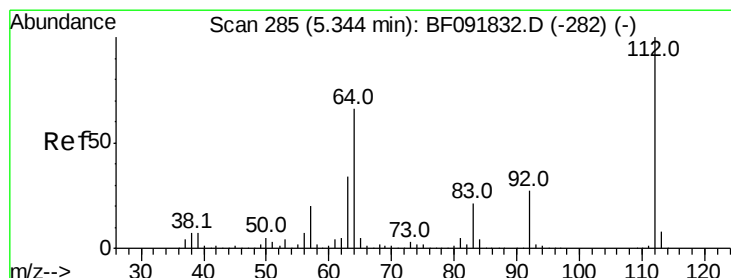
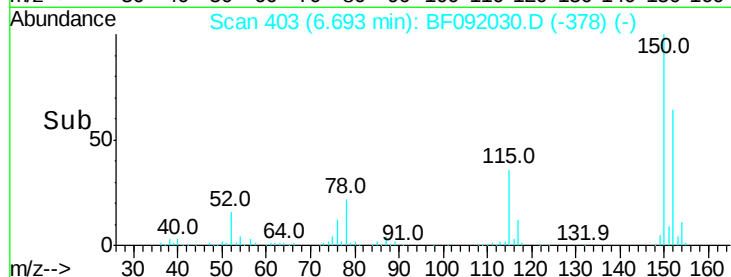
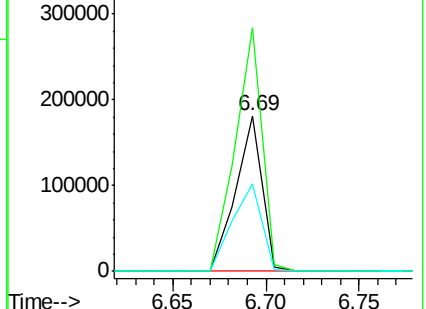
115 55.8 46.0 69.0



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: 90.09 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

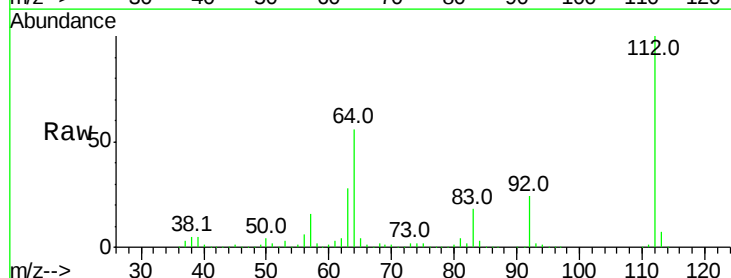
Tgt Ion:112 Resp: 974586

Ion Ratio Lower Upper

112 100

64 55.9 46.1 69.1

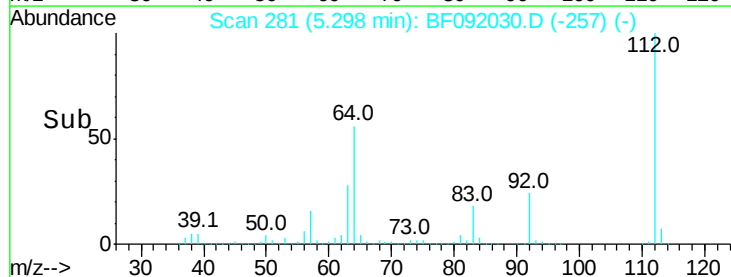
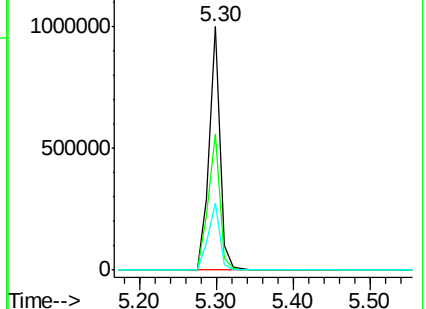
63 27.6 23.8 35.6



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: 48.07 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

Instrument :

BNA\_F

ClientSampleId :

MW-32

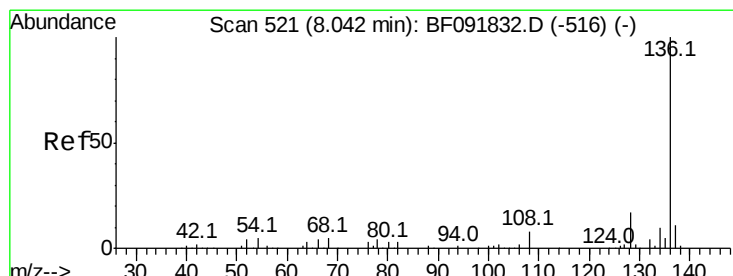
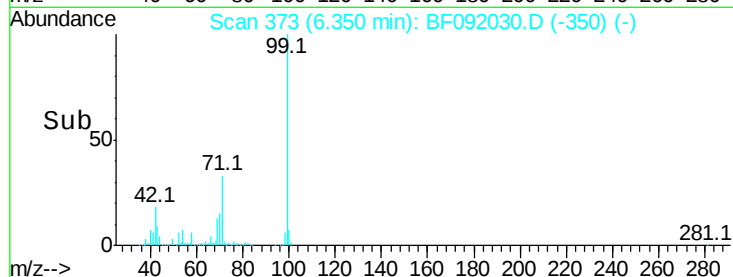
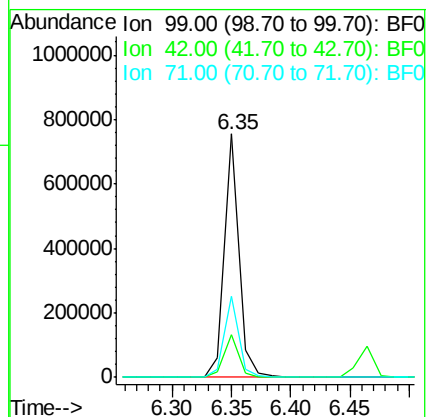
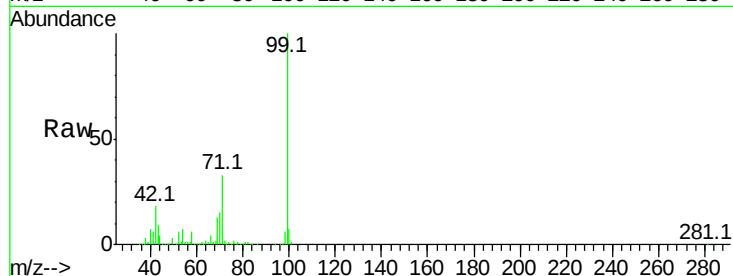
Tot Ion: 99 Resp: 634921

Ion Ratio Lower Upper

99 100

42 17.7 15.6 23.4

71 33.2 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

Tgt Ion: 136 Resp: 744185

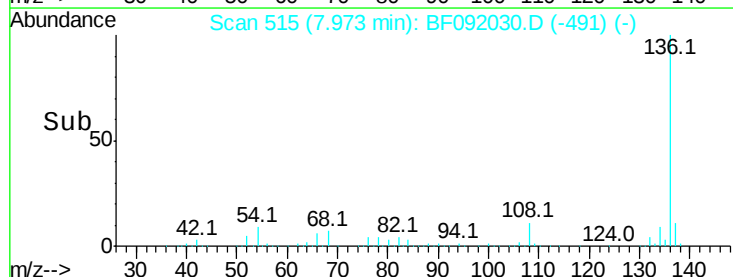
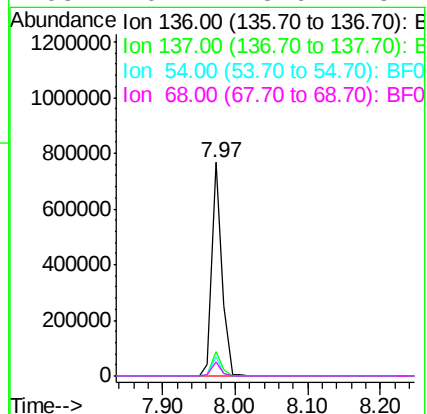
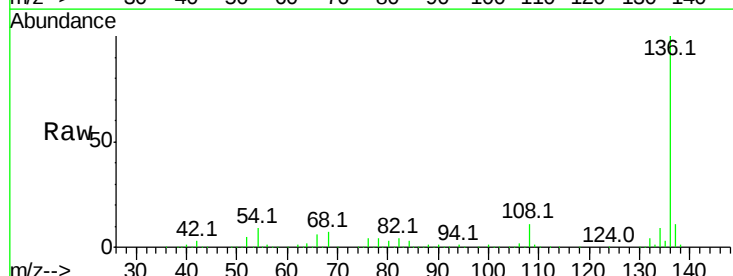
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.1 4.5 6.7#

68 6.7 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 101.66 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

Instrument :

BNA\_F

ClientSampleId :

MW-32

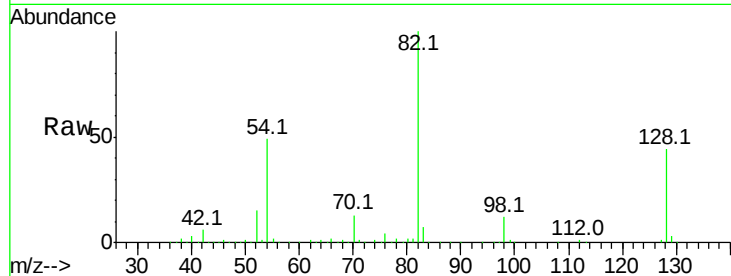
Tot Ion: 82 Resp: 1360573

Ion Ratio Lower Upper

82 100

128 43.6 34.6 52.0

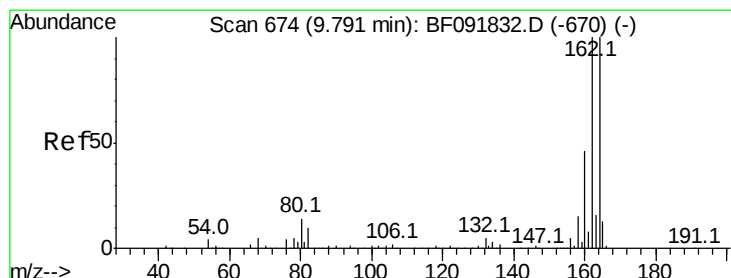
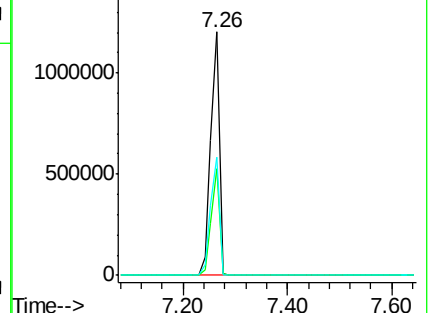
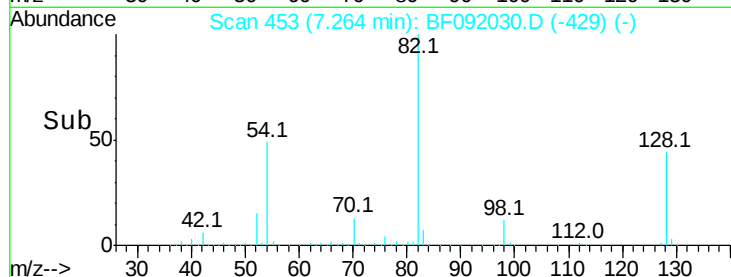
54 48.6 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

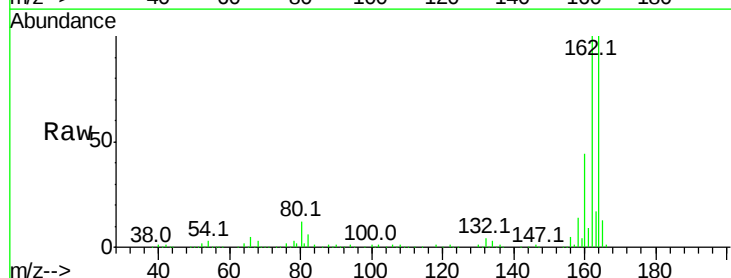
Tgt Ion:164 Resp: 412025

Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.2

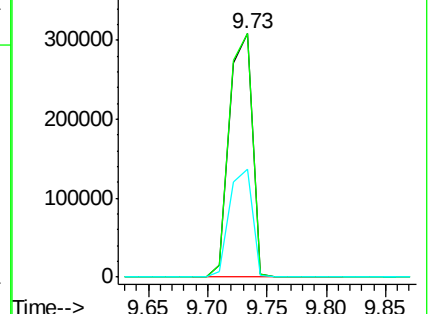
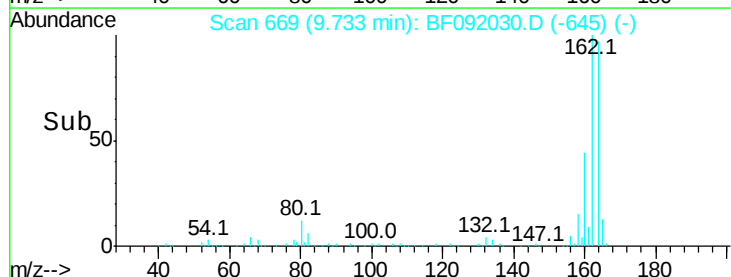
160 44.1 36.9 55.3



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

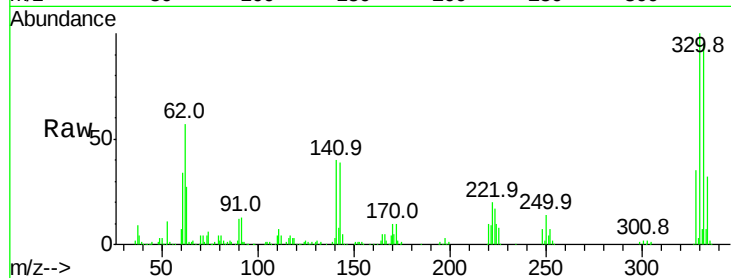




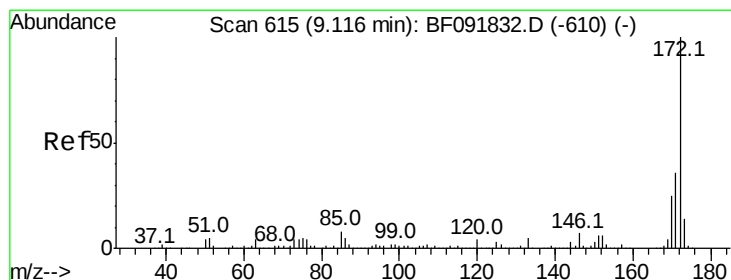
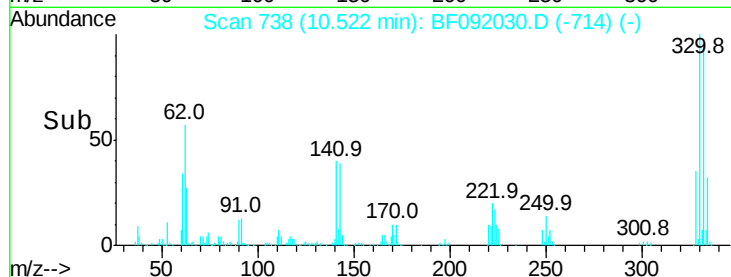
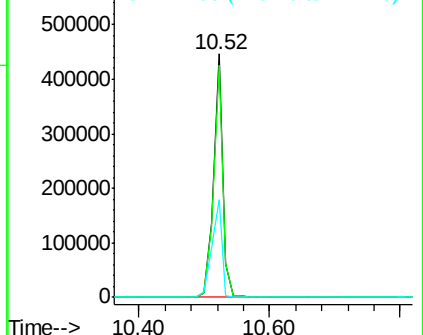
#41  
 2,4,6-Tribromophenol  
 Concen: 134.00 ng  
 RT: 10.52 min Scan# 738  
 Delta R.T. -0.02 min  
 Lab File: BF092030.D  
 Acq: 29 Dec 2016 18:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-32

Tot Ion:330 Resp: 456921  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.4 116.2  
 141 43.3 34.1 51.1

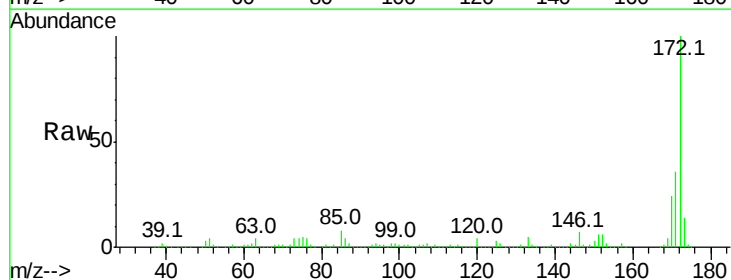


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

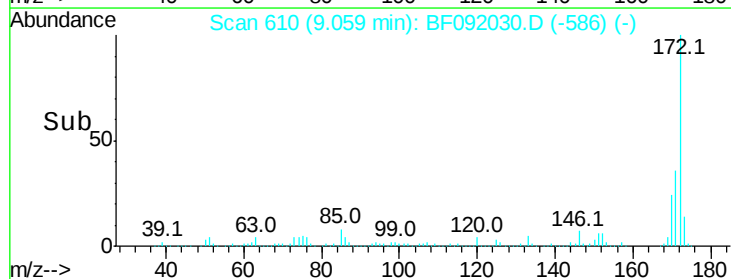
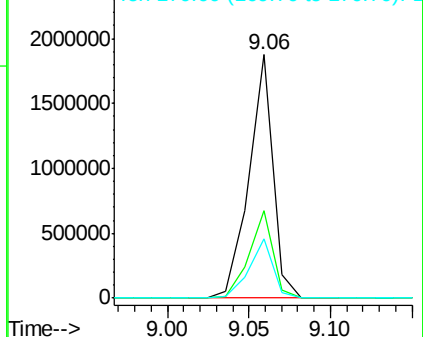


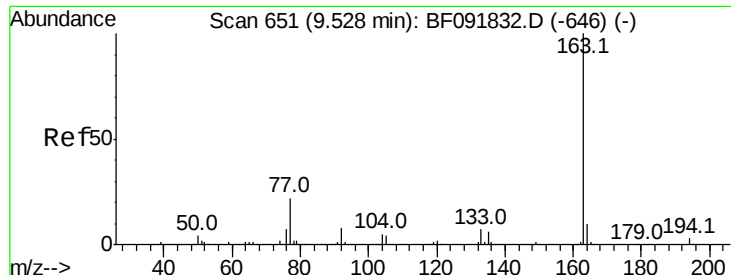
#44  
 2-Fluorobiphenyl  
 Concen: 96.87 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. -0.02 min  
 Lab File: BF092030.D  
 Acq: 29 Dec 2016 18:06

Tgt Ion:172 Resp: 1911776  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.0  
 170 24.5 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: 3.30 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.03 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

Instrument :

BNA\_F

ClientSampleId :

MW-32

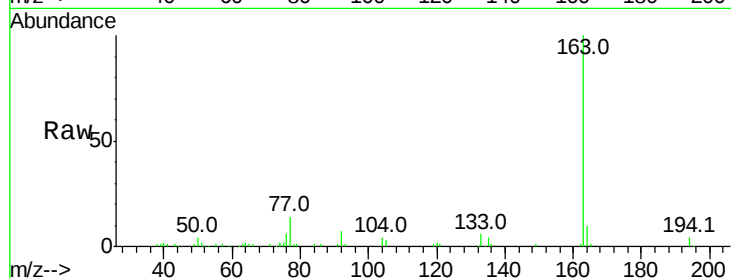
Tot Ion:163 Resp: 86936

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

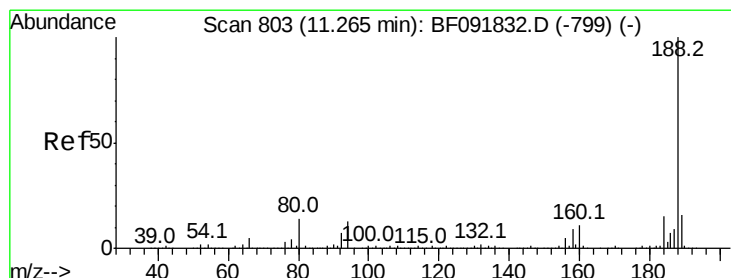
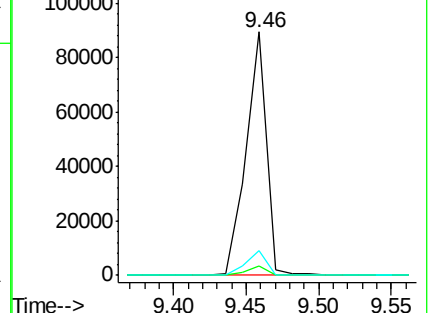
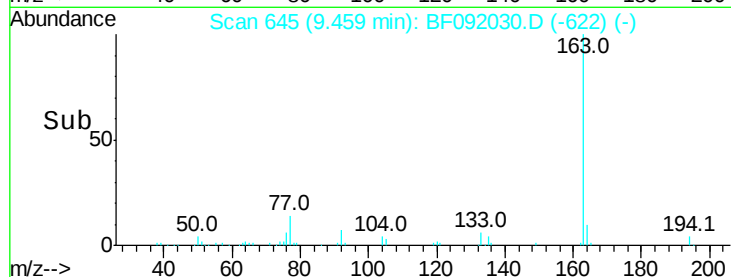
164 9.9 8.0 12.0



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: 11.21 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

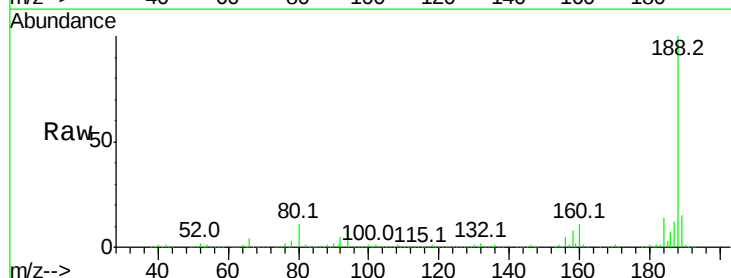
Tgt Ion:188 Resp: 708383

Ion Ratio Lower Upper

188 100

94 9.7 10.0 15.0#

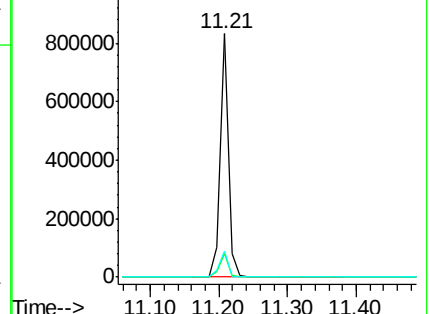
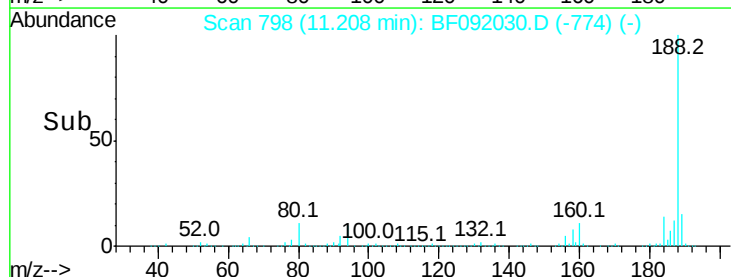
80 10.9 11.2 16.8#

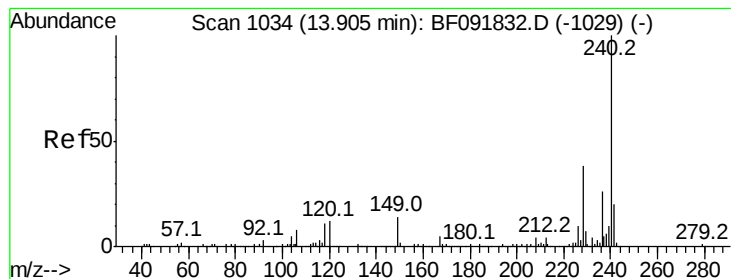


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

Instrument :

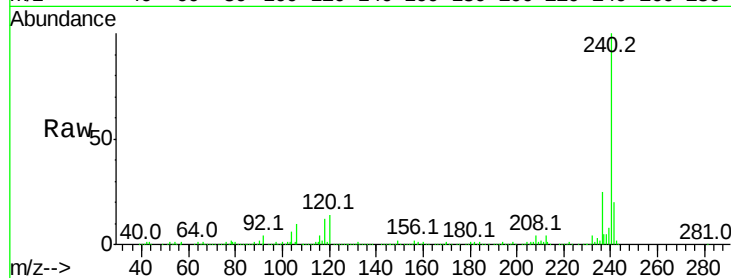
BNA\_F

ClientSampleId :

MW-32

Tot Ion:240 Resp: 582397

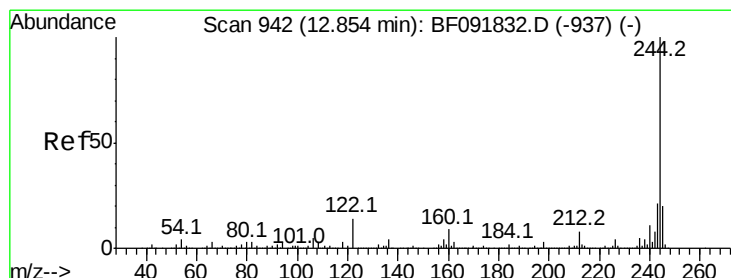
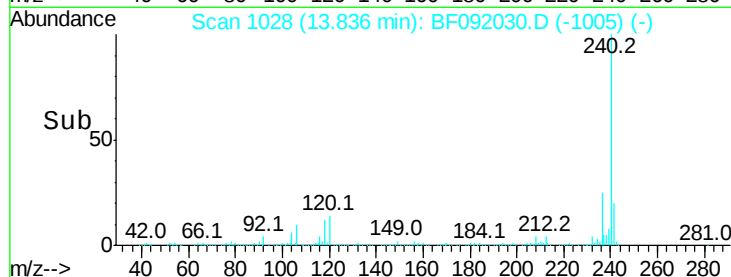
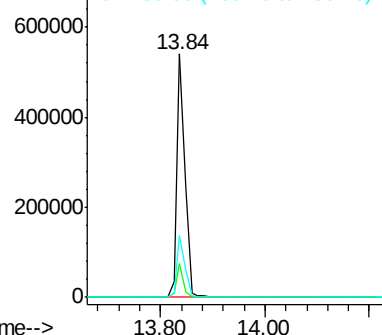
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 14.1  | 12.9  | 19.3  |
| 236 | 25.5  | 20.9  | 31.3  |



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: 89.97 ng

RT: 12.80 min Scan# 937

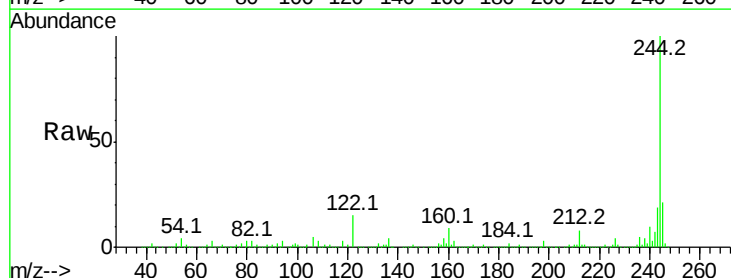
Delta R.T. -0.02 min

Lab File: BF092030.D

Acq: 29 Dec 2016 18:06

Tgt Ion:244 Resp: 2160418

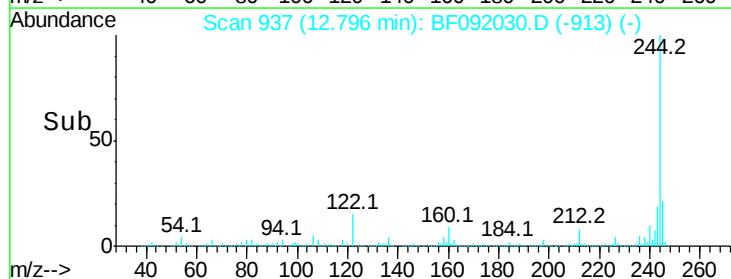
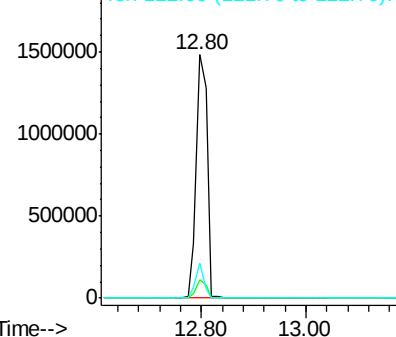
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.7   | 6.2   | 9.2   |
| 122 | 14.6  | 11.4  | 17.2  |

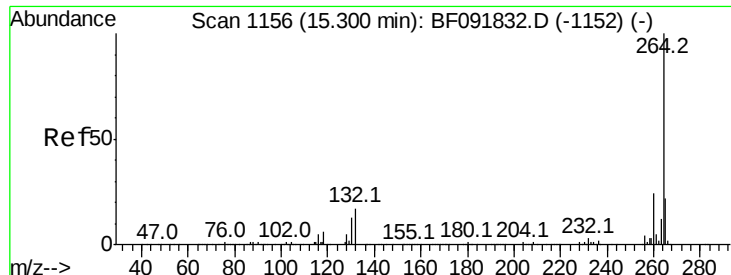


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

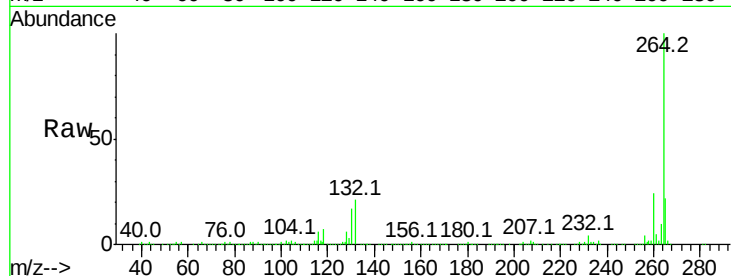




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.22 min Scan# 1149  
 Delta R.T. -0.03 min  
 Lab File: BF092030.D  
 Acq: 29 Dec 2016 18:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-32

Tot Ion: 264 Resp: 462887  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 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

