

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\  
 Data File : BF083479.D  
 Acq On : 4 Dec 2015 00:53  
 Operator : UM/IZ  
 Sample : G4617-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03

Quant Time: Dec 04 02:25:51 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 01 01:17:16 2015  
 Response via : Initial Calibration

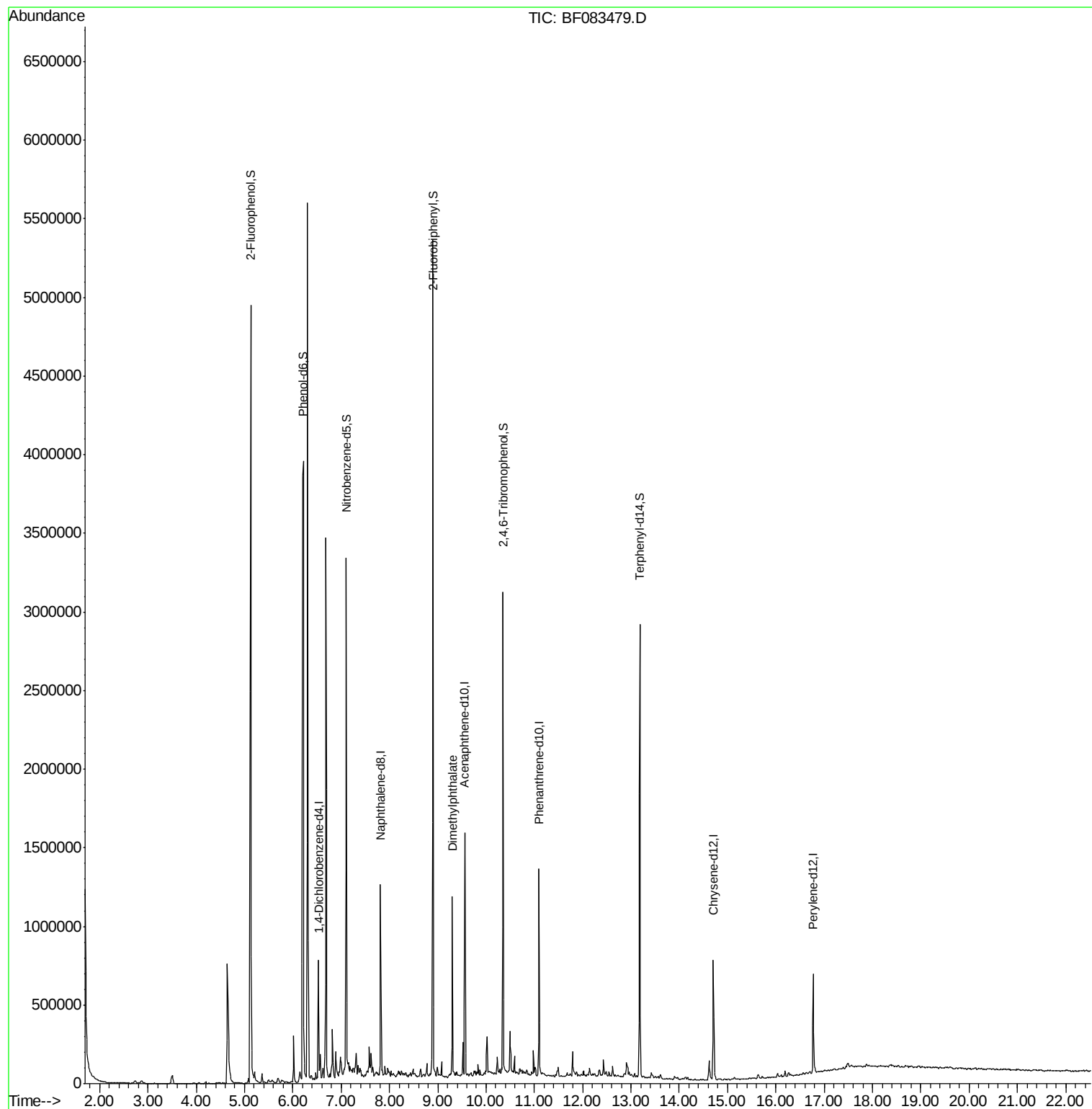
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.53  | 152  | 159626m  | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 7.81  | 136  | 605223   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.56  | 164  | 307548   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.09 | 188  | 507271   | 20.00  | ng    | -0.03        |
| 75) Chrysene-d12            | 14.71 | 240  | 370894   | 20.00  | ng    | -0.06        |
| 86) Perylene-d12            | 16.77 | 264  | 327561   | 20.00  | ng    | -0.05        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.13  | 112  | 1581077  | 148.63 | ng    | 0.00         |
| 7) Phenol-d6                | 6.21  | 99   | 2173917  | 149.30 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.10  | 82   | 1255510  | 91.19  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.35 | 330  | 338533   | 109.65 | ng    | -0.03        |
| 44) 2-Fluorobiphenyl        | 8.90  | 172  | 1629657  | 75.51  | ng    | -0.02        |
| 78) Terphenyl-d14           | 13.19 | 244  | 1224872  | 78.76  | ng    | -0.03        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.30  | 163  | 434298   | 17.38  | ng    | Qvalue<br>98 |

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

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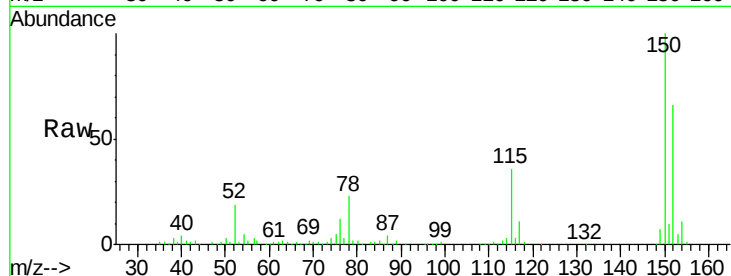


#1

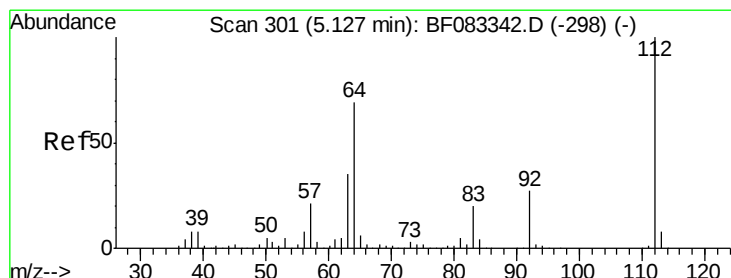
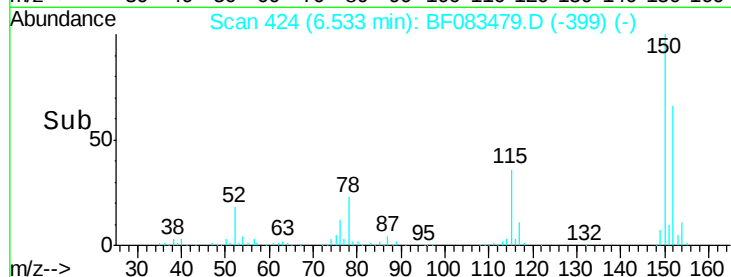
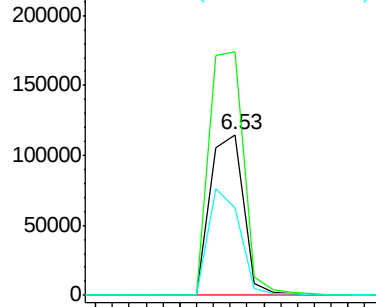
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng/mL  
RT: 6.53 min Scan# 424  
Delta R.T. -0.01 min  
Lab File: BF083479.D  
Acq: 4 Dec 2015 00:53

Instrument :  
BNA\_F  
ClientSampleID :  
SB-03

Tot Ion:152 Resp: 159626  
Ion Ratio Lower Upper  
152 100  
150 151.8 129.8 194.8  
115 54.8 59.2 88.8#



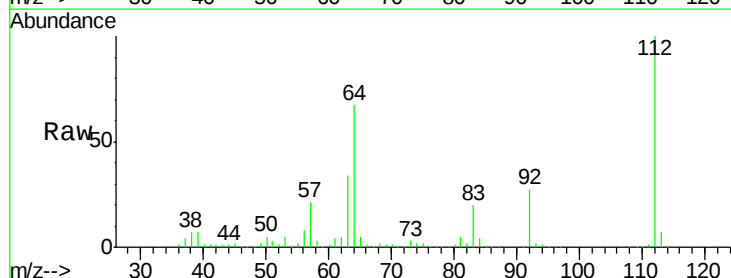
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



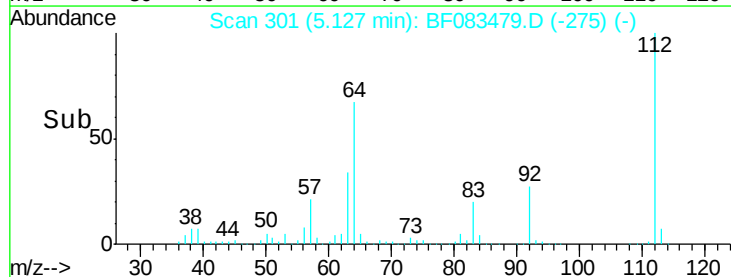
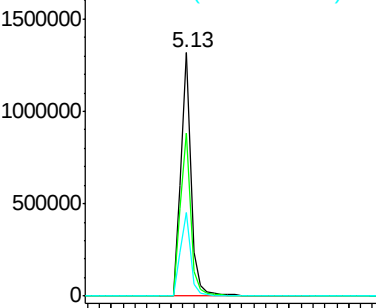
#5

2-Fluorophenol  
Concen: 148.63 ng  
RT: 5.13 min Scan# 301  
Delta R.T. 0.00 min  
Lab File: BF083479.D  
Acq: 4 Dec 2015 00:53

Tgt Ion:112 Resp: 1581077  
Ion Ratio Lower Upper  
112 100  
64 66.8 55.6 83.4  
63 34.1 28.2 42.2



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: 149.30 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

Instrument :

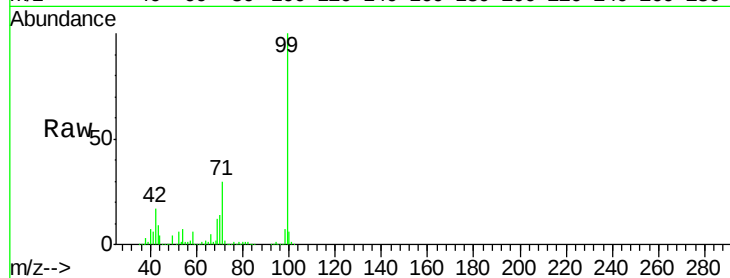
BNA\_F

ClientSampleId :

SB-03

Tot Ion: 99 Resp: 2173917

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.7  | 14.9  | 22.3  |
| 71  | 30.1  | 24.7  | 37.1  |

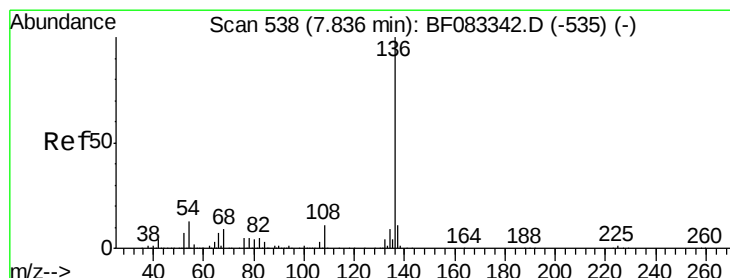
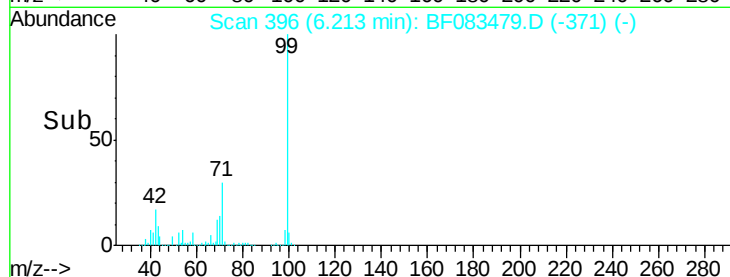
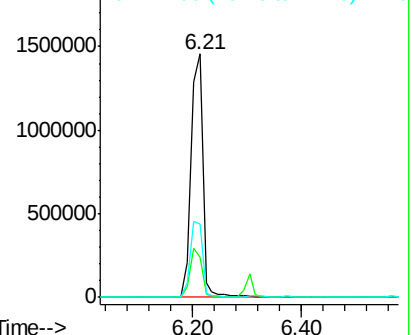


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 536

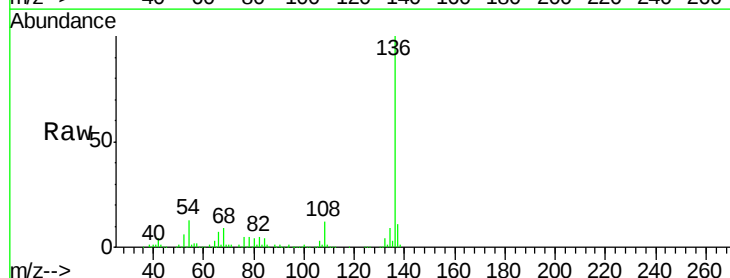
Delta R.T. -0.02 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

Tgt Ion: 136 Resp: 605223

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 9.0   | 13.4  |
| 54  | 12.8  | 10.1  | 15.1  |
| 68  | 8.7   | 7.1   | 10.7  |



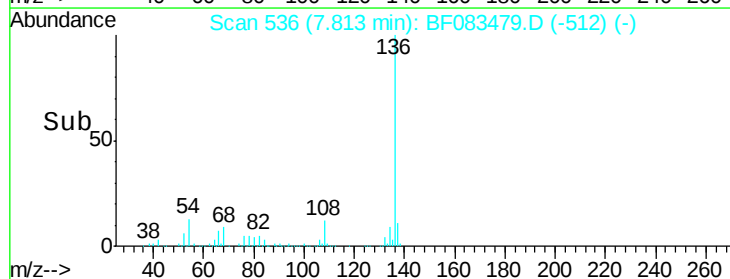
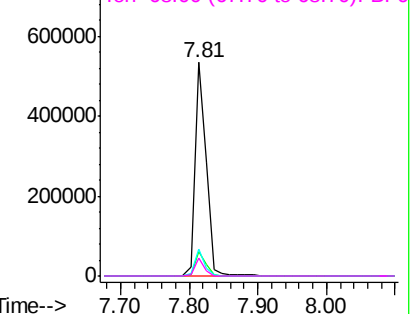
Abundance

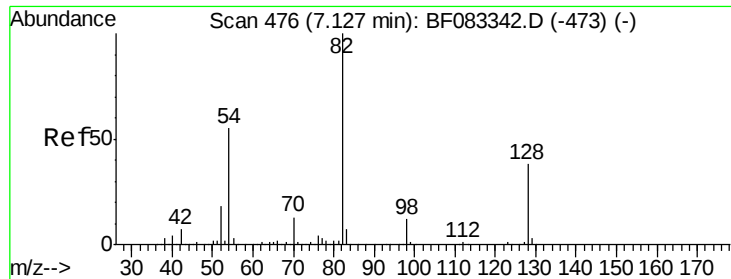
Ion 136.00 (135.70 to 136.70): E

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: 91.19 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

Instrument :

BNA\_F

ClientSampleId :

SB-03

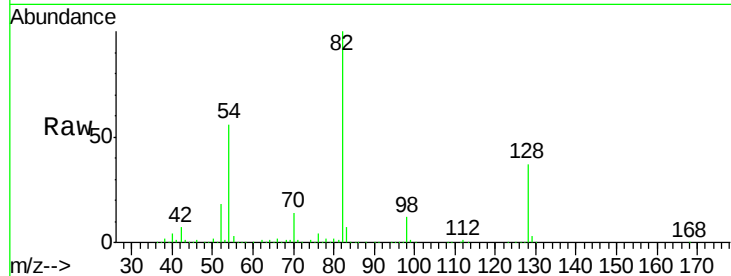
Tot Ion: 82 Resp: 125510

Ion Ratio Lower Upper

82 100

128 37.4 30.6 46.0

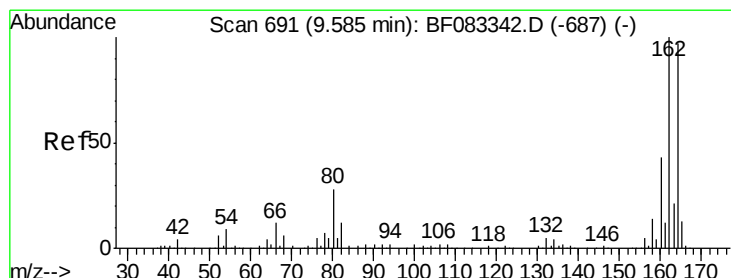
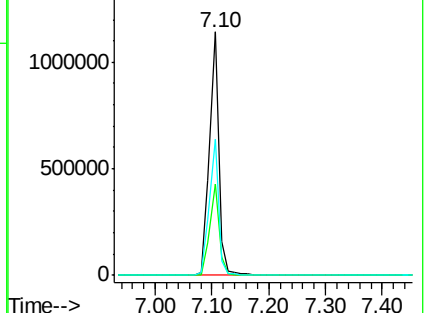
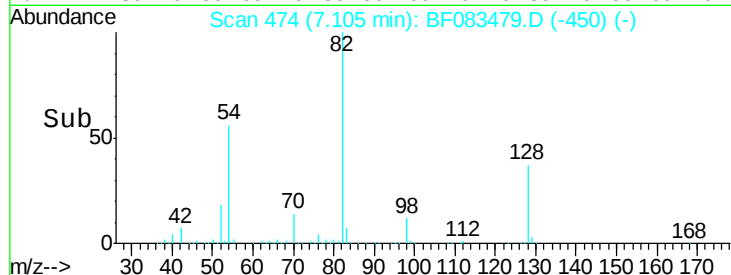
54 55.7 43.8 65.6



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: 9.56 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

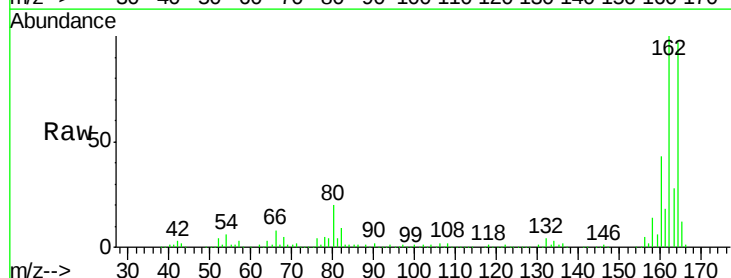
Tgt Ion:164 Resp: 307548

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

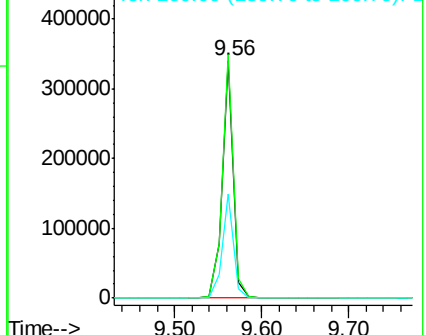
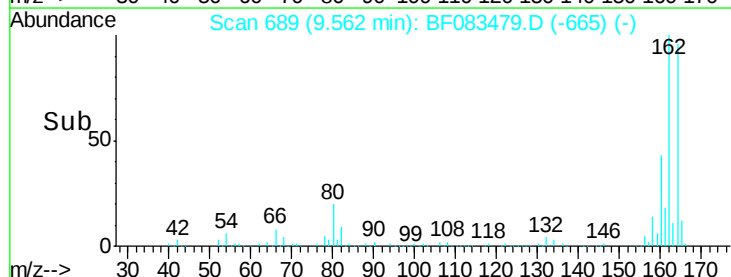
160 43.7 35.3 52.9

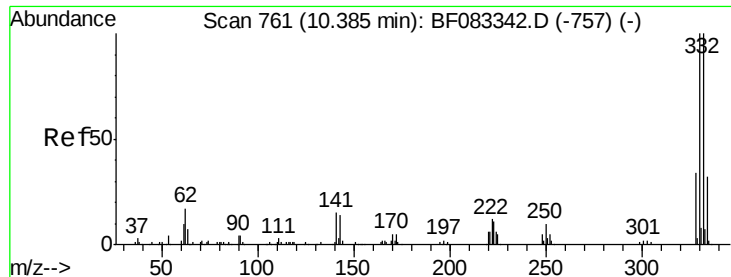


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

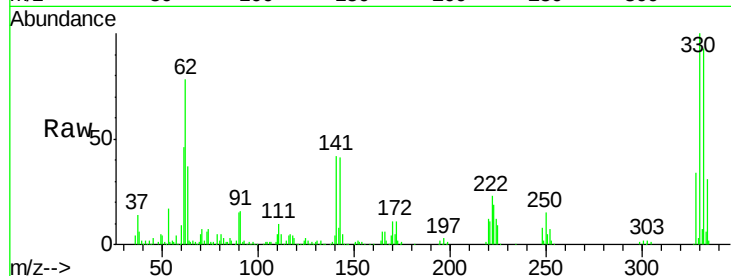




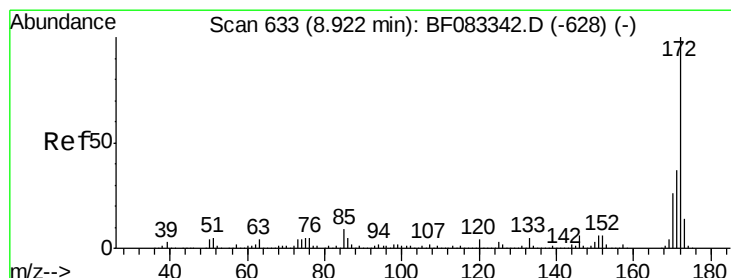
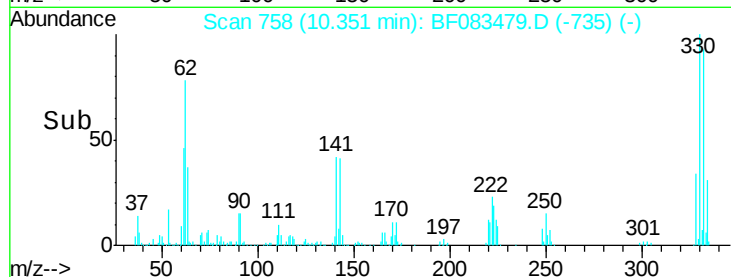
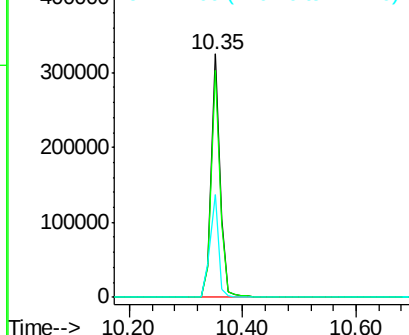
#41  
 2,4,6-Tribromophenol  
 Concen: 109.65 ng  
 RT: 10.35 min Scan# 758  
 Delta R.T. -0.03 min  
 Lab File: BF083479.D  
 Acq: 4 Dec 2015 00:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.8  | 77.8  | 116.6 |
| 141     | 41.4  | 29.4  | 44.0  |

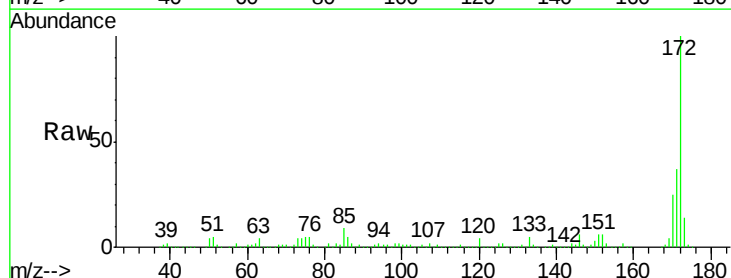


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

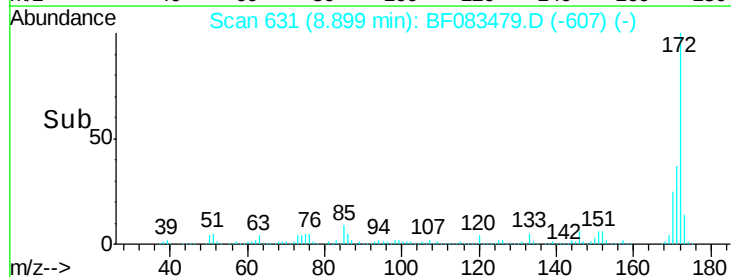
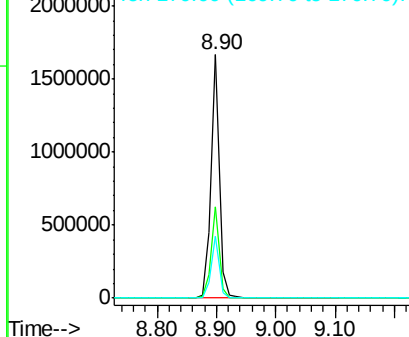


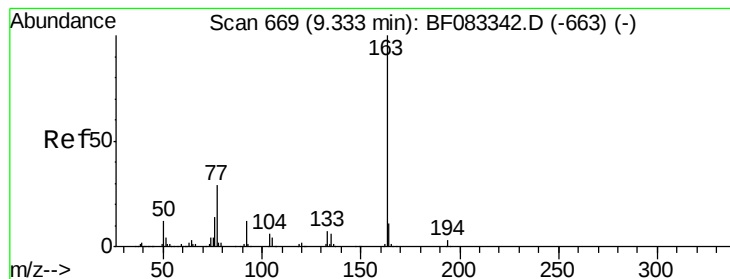
#44  
 2-Fluorobiphenyl  
 Concen: 75.51 ng  
 RT: 8.90 min Scan# 631  
 Delta R.T. -0.02 min  
 Lab File: BF083479.D  
 Acq: 4 Dec 2015 00:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 29.4  | 44.0  |
| 170     | 25.3  | 20.4  | 30.6  |



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: 17.38 ng

RT: 9.30 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

Instrument :

BNA\_F

ClientSampleId :

SB-03

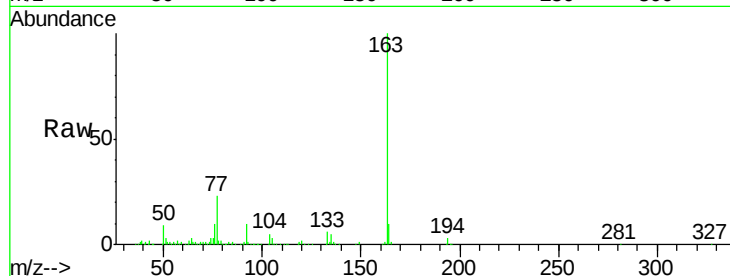
Tot Ion:163 Resp: 434298

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

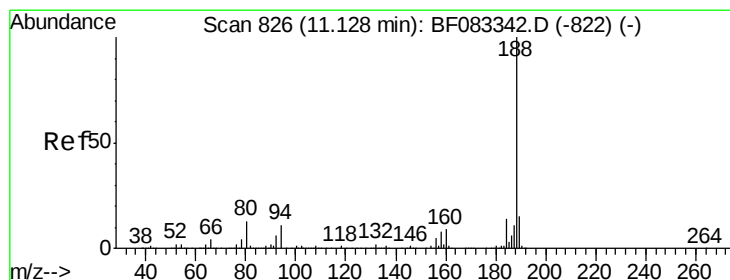
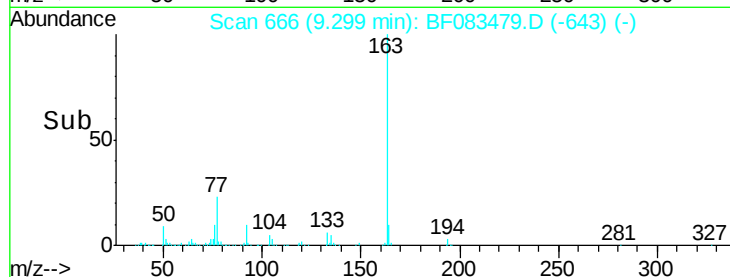
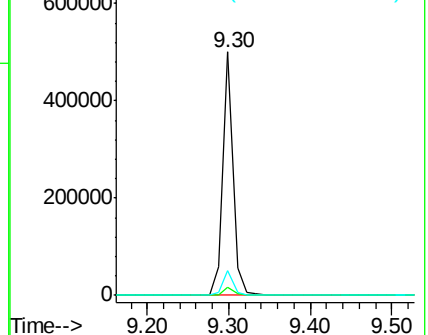
164 10.0 8.8 13.2



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: 11.09 min Scan# 823

Delta R.T. -0.03 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

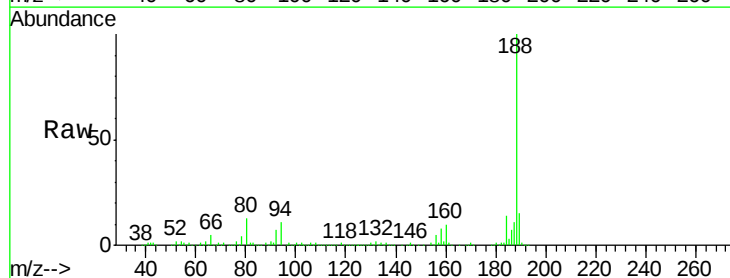
Tgt Ion:188 Resp: 507271

Ion Ratio Lower Upper

188 100

94 11.1 8.7 13.1

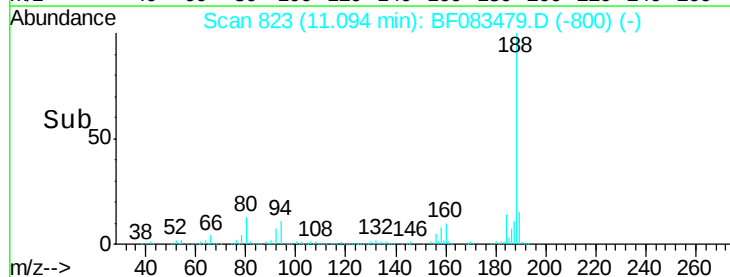
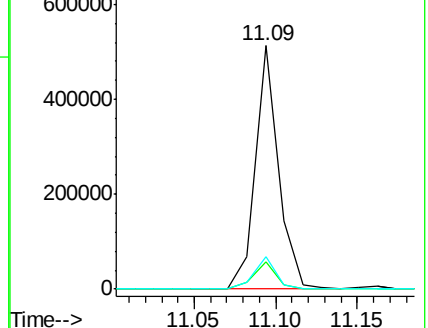
80 13.2 10.3 15.5

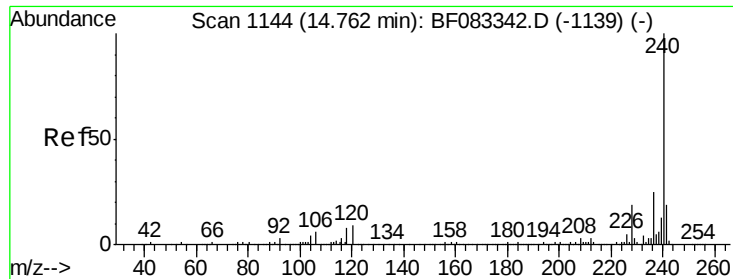


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.71 min Scan# 1139

Delta R.T. -0.06 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

Instrument :

BNA\_F

ClientSampleId :

SB-03

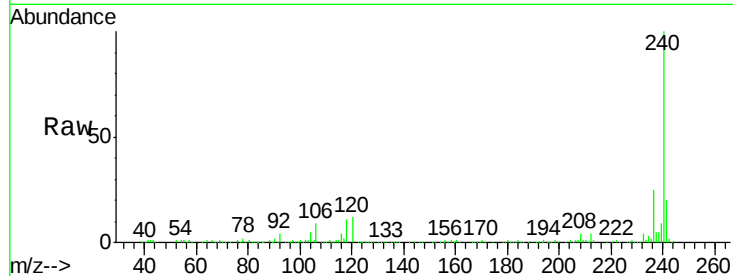
Tot Ion:240 Resp: 370894

Ion Ratio Lower Upper

240 100

120 11.9 6.9 10.3#

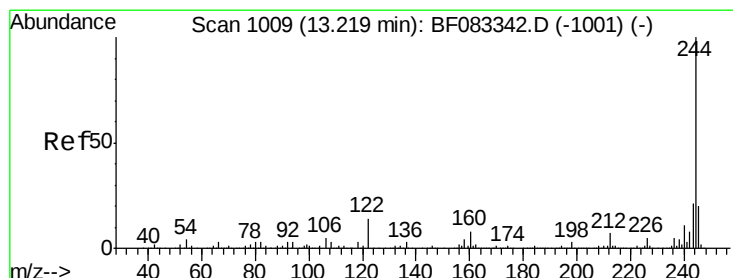
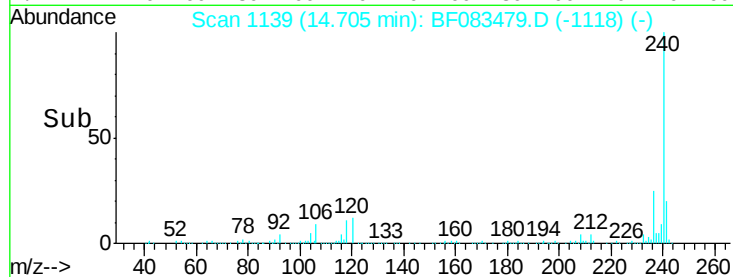
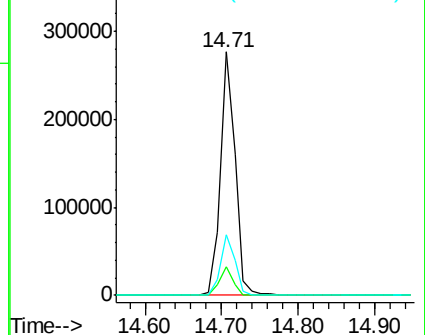
236 25.0 19.8 29.6



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: 78.76 ng

RT: 13.19 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF083479.D

Acq: 4 Dec 2015 00:53

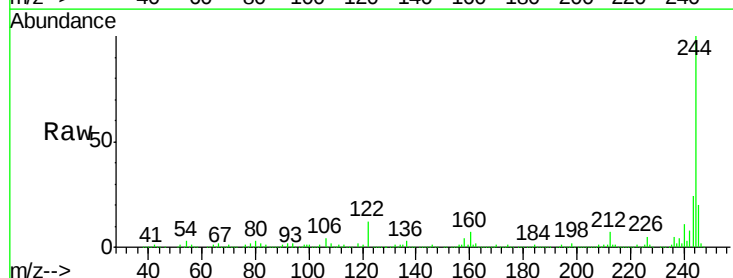
Tgt Ion:244 Resp: 1224872

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

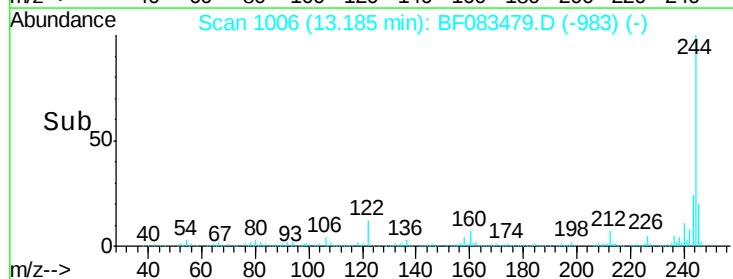
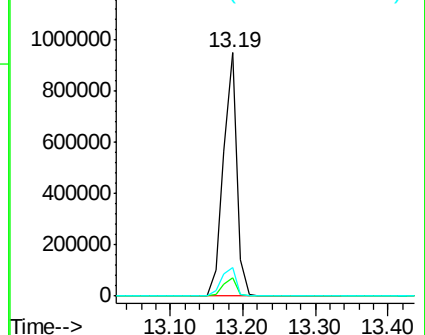
122 11.6 11.0 16.4

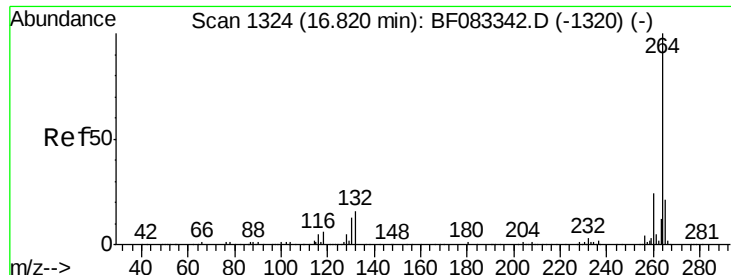


Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.77 min Scan# 1320  
Delta R.T. -0.05 min  
Lab File: BF083479.D  
Acq: 4 Dec 2015 00:53

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03

Tot Ion: 264 Resp: 327561  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.0  | 28.4  |
| 265 | 21.5  | 16.8  | 25.2  |

