

Data Path : Z:\HPCHEM1\BNA F\Data\BF101216\  
 Data File : BF090528.D  
 Acq On : 12 Oct 2016 11:54  
 Operator : UM/SJ  
 Sample : H5148-05RE  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-WH-DRUM-03-C

Quant Time: Oct 12 13:01:15 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 11 16:14:43 2016  
 Response via : Initial Calibration

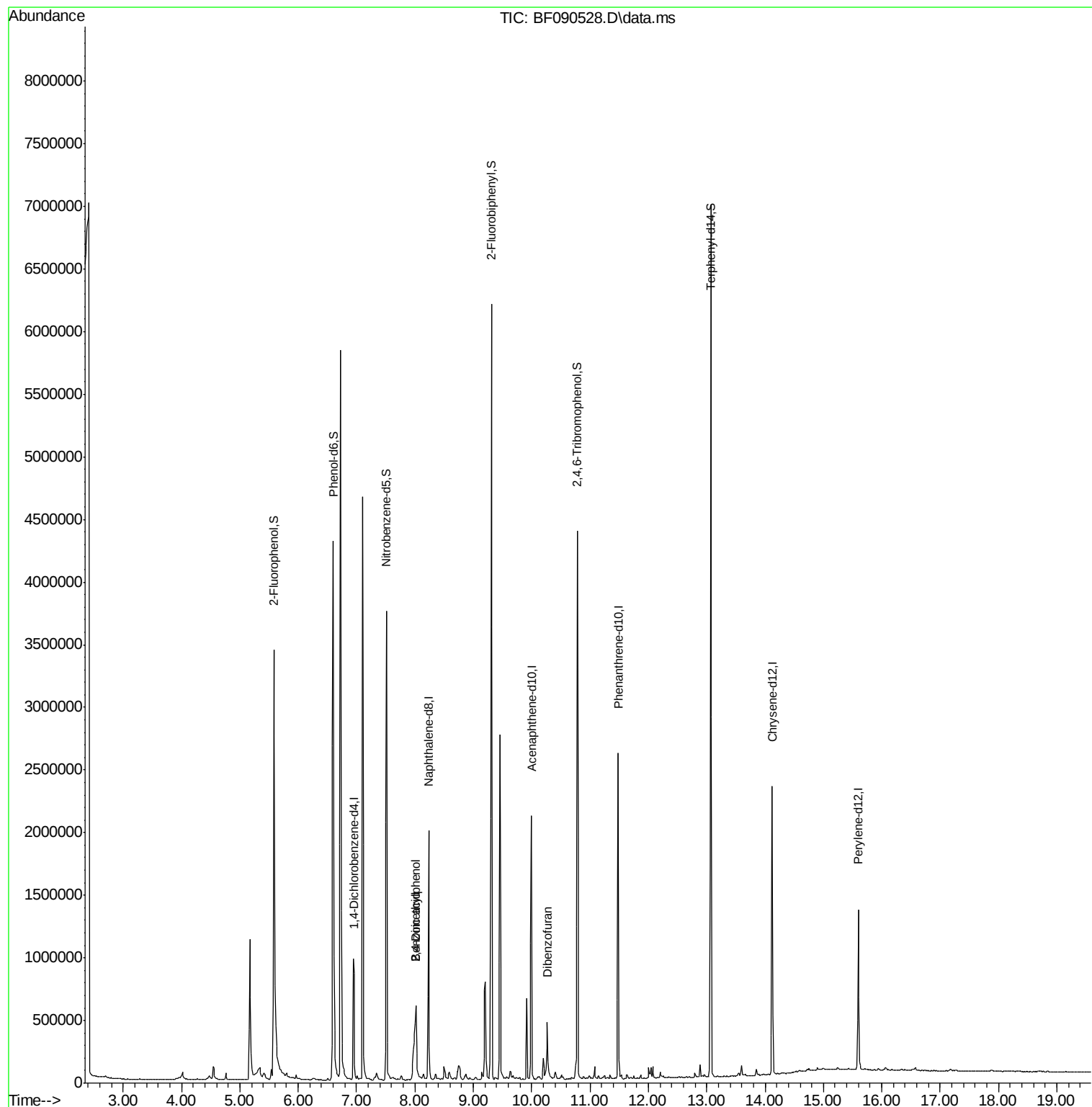
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|--------|------|----------|--------|-------|------------|
| -----                       |        |      |          |        |       |            |
| Internal Standards          |        |      |          |        |       |            |
| 1) 1,4-Dichlorobenzene-d4   | 6.954  | 152  | 233788   | 20.00  | ng    | 0.00       |
| 21) Naphthalene-d8          | 8.235  | 136  | 997914   | 20.00  | ng    | -0.01      |
| 38) Acenaphthene-d10        | 9.995  | 164  | 536856   | 20.00  | ng    | -0.01      |
| 63) Phenanthrene-d10        | 11.481 | 188  | 899851   | 20.00  | ng    | 0.00       |
| 75) Chrysene-d12            | 14.121 | 240  | 745137   | 20.00  | ng    | -0.01      |
| 86) Perylene-d12            | 15.595 | 264  | 552056   | 20.00  | ng    | -0.01      |
| System Monitoring Compounds |        |      |          |        |       |            |
| 5) 2-Fluorophenol           | 5.583  | 112  | 1850994  | 123.17 | ng    | 0.02       |
| 7) Phenol-d6                | 6.600  | 99   | 2382982  | 125.66 | ng    | 0.01       |
| 23) Nitrobenzene-d5         | 7.515  | 82   | 1595262  | 86.71  | ng    | 0.00       |
| 41) 2,4,6-Tribromophenol    | 10.783 | 330  | 762538   | 143.29 | ng    | -0.01      |
| 44) 2-Fluorobiphenyl        | 9.309  | 172  | 2829051  | 88.56  | ng    | -0.01      |
| 78) Terphenyl-d14           | 13.069 | 244  | 2711513  | 88.93  | ng    | -0.01      |
| Target Compounds            |        |      |          |        |       |            |
| 27) 2,4-Dimethylphenol      | 8.017  | 122  | 299621   | 19.58  | ng    | Qvalue # 5 |
| 32) Benzoic acid            | 8.017  | 122  | 333524   | 27.61  | ng    | 98         |
| 54) Dibenzofuran            | 10.269 | 168  | 152073   | 3.46   | ng    | # 52       |
| -----                       |        |      |          |        |       |            |

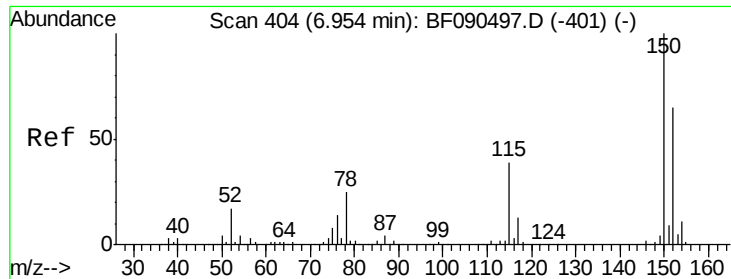
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF101216\  
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QLast Update : Tue Oct 11 16:14:43 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.954 min Scan# 40

Delta R.T. 0.000 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

Instrument :

BNA\_F

ClientSampleId :

WC-WH-DRUM-03-C

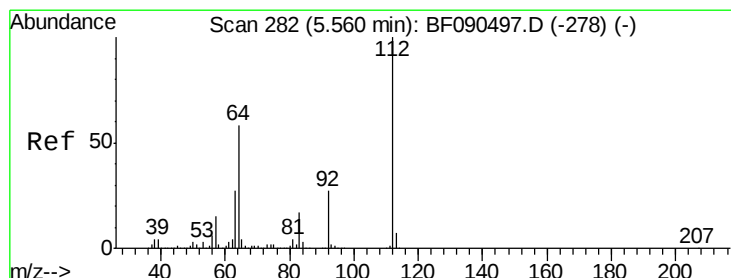
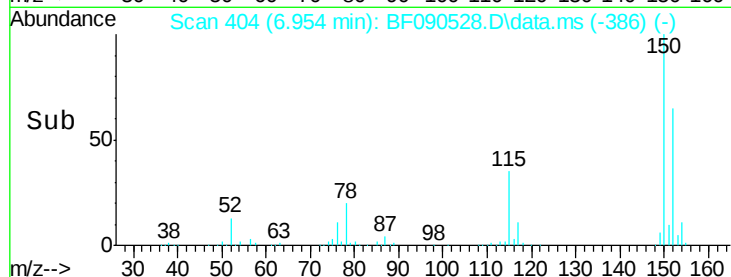
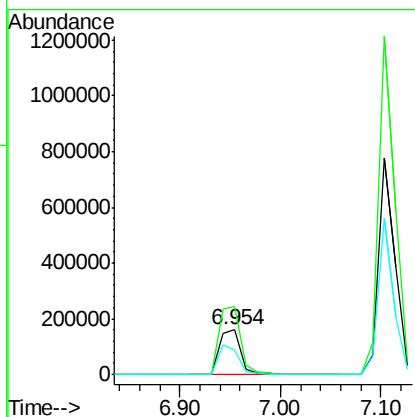
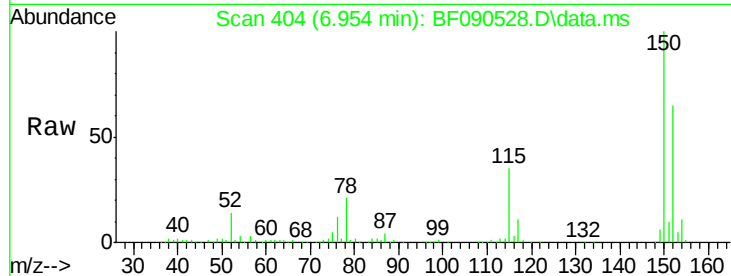
Tot Ion:152 Resp: 233788

Ion Ratio Lower Upper

152 100

150 154.0 124.6 186.8

115 53.9 46.2 69.4



#5

2-Fluorophenol

Concen: 123.17 ng

RT: 5.583 min Scan# 284

Delta R.T. 0.024 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

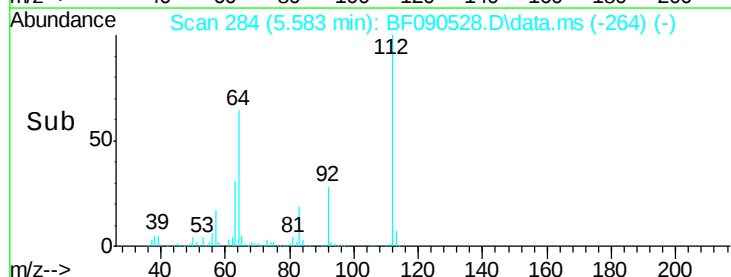
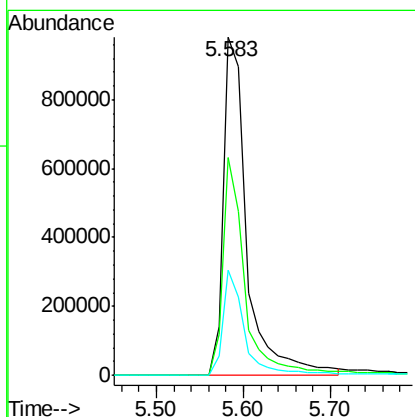
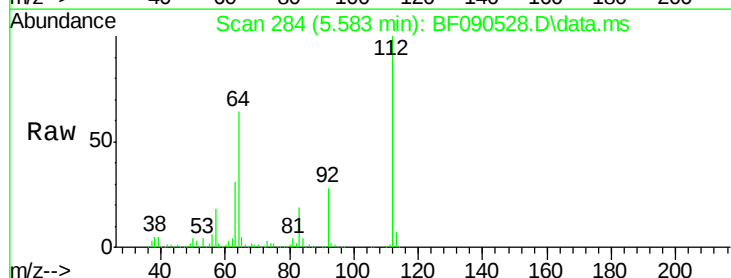
Tgt Ion:112 Resp: 1850994

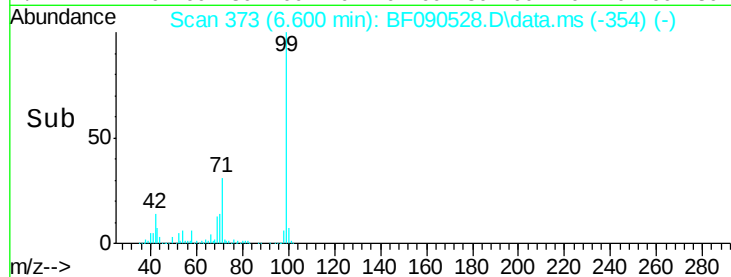
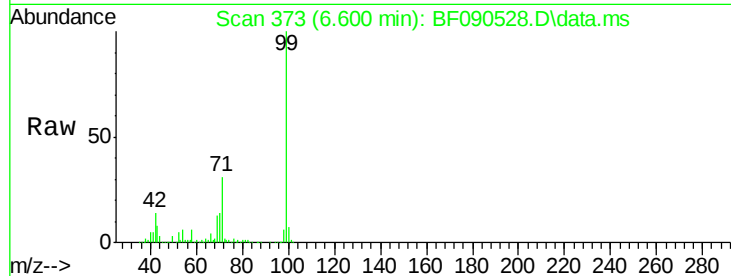
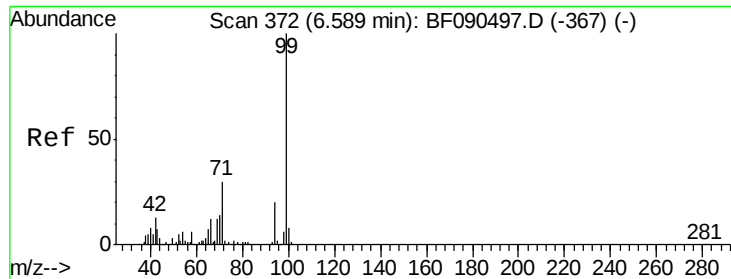
Ion Ratio Lower Upper

112 100

64 64.4 57.9 86.9

63 31.2 29.6 44.4





#7

Phenol-d6

Concen: 125.66 ng

RT: 6.600 min Scan# 37

Delta R.T. 0.012 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

Instrument :

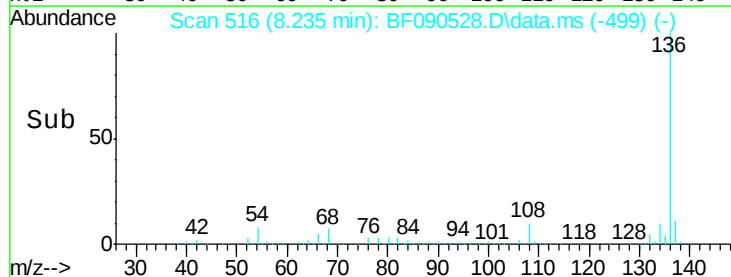
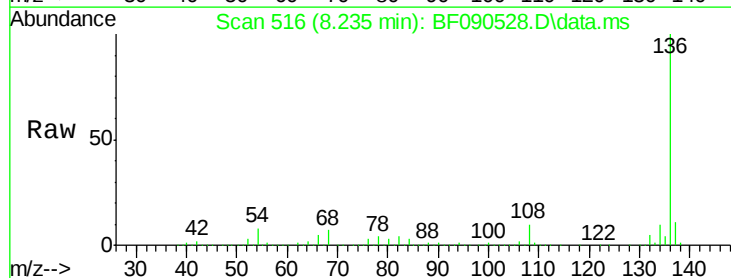
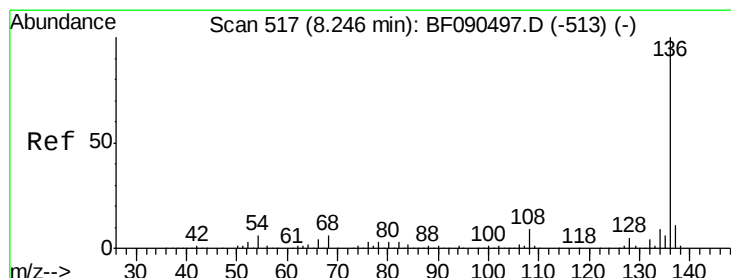
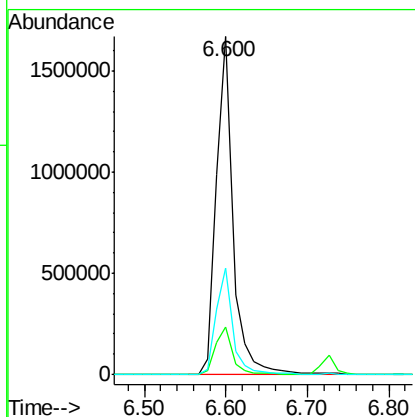
BNA\_F

ClientSampleId :

WC-WH-DRUM-03-C

Tot Ion: 99 Resp: 2382982

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.0  | 20.0  | 30.0# |
| 71  | 31.3  | 27.9  | 41.9  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.235 min Scan# 516

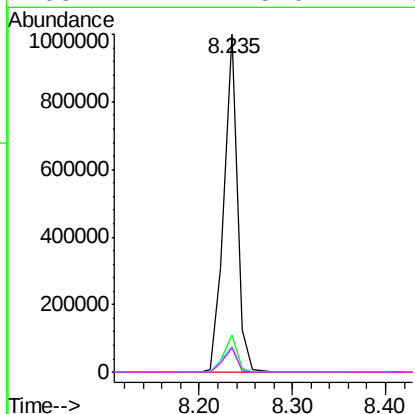
Delta R.T. -0.011 min

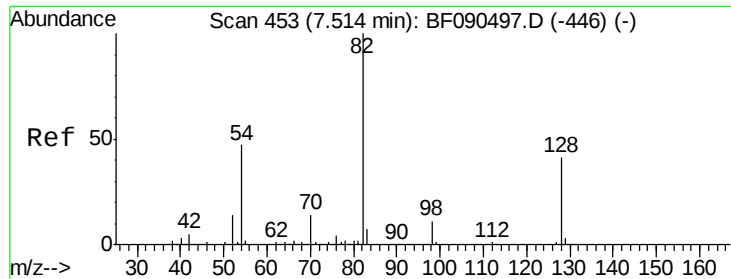
Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

Tgt Ion: 136 Resp: 997914

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.0   | 13.6  |
| 54  | 7.6   | 6.6   | 10.0  |
| 68  | 7.1   | 5.0   | 7.6   |





#23

Nitrobenzene-d5

Concen: 86.71 ng

RT: 7.515 min Scan# 45

Delta R.T. 0.000 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

Instrument :

BNA\_F

ClientSampleId :

WC-WH-DRUM-03-C

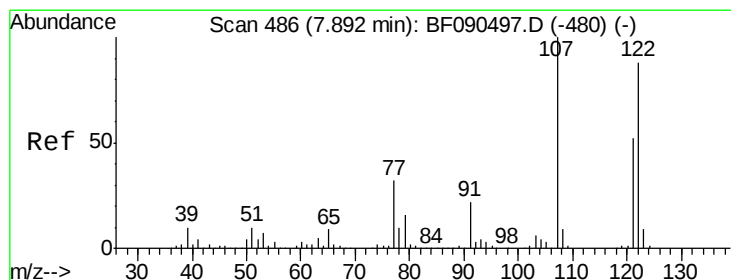
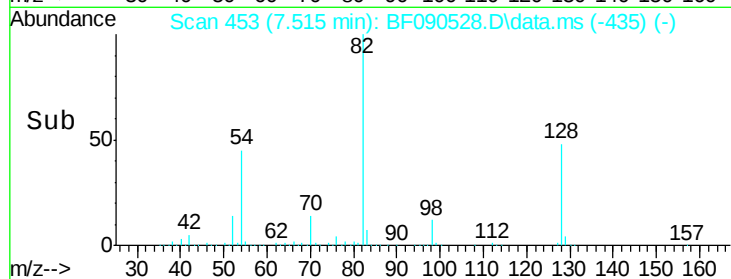
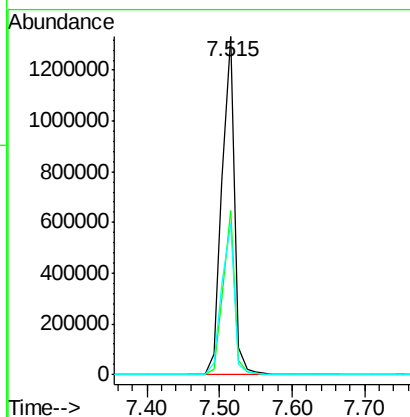
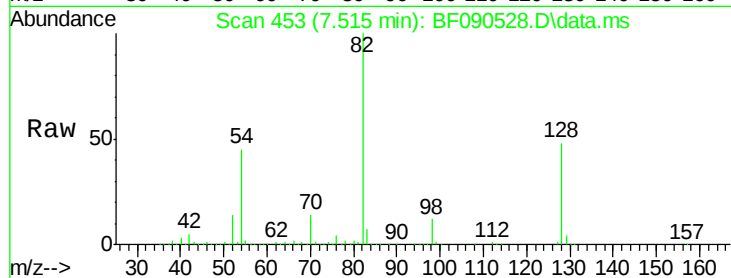
Tot Ion: 82 Resp: 1595262

Ion Ratio Lower Upper

82 100

128 48.3 40.0 60.0

54 44.7 42.6 64.0



#27

2,4-Dimethylphenol

Concen: 19.58 ng

RT: 8.017 min Scan# 497

Delta R.T. 0.126 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

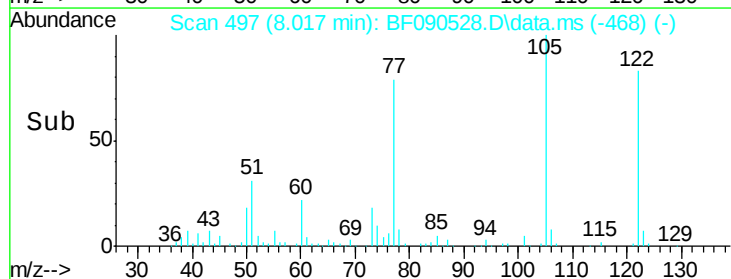
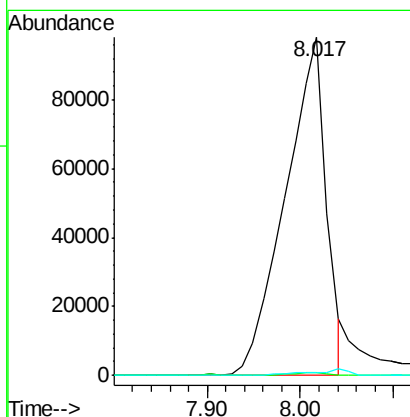
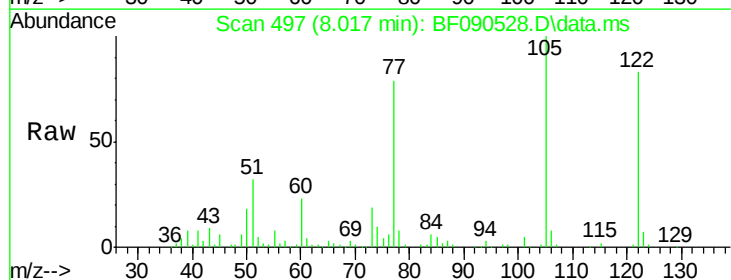
Tgt Ion: 122 Resp: 299621

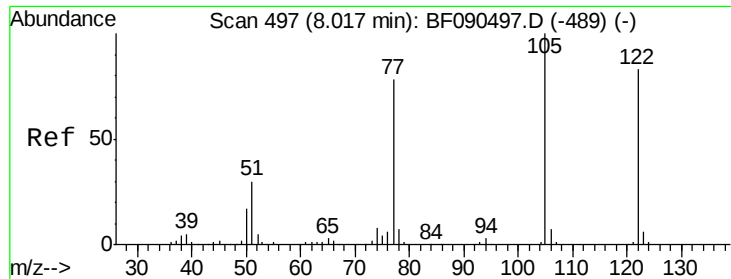
Ion Ratio Lower Upper

122 100

107 0.6 88.6 132.8#

121 0.8 47.5 71.3#

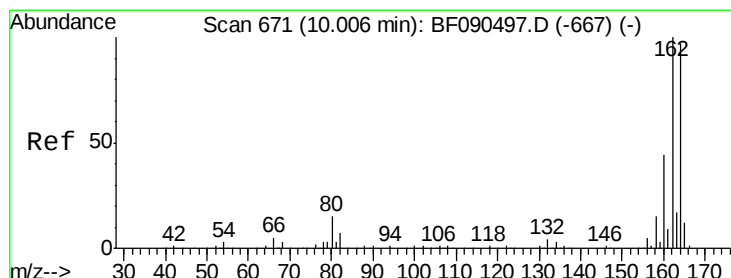
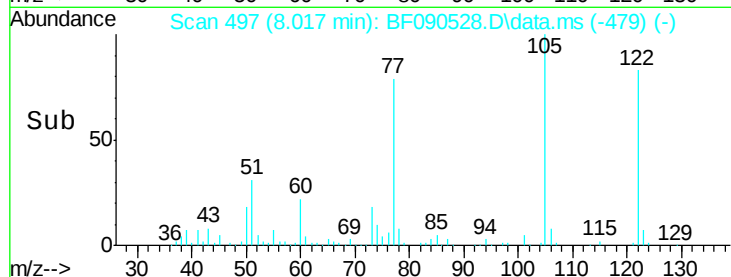
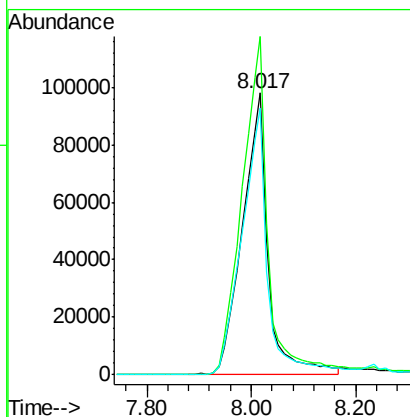
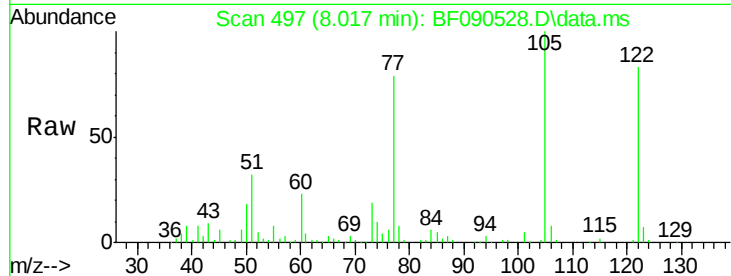




#32  
Benzoic acid  
Concen: 27.61 ng  
RT: 8.017 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: BF090528.D  
Acq: 12 Oct 2016 11:54

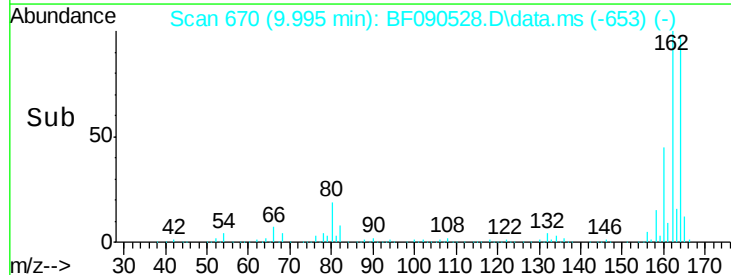
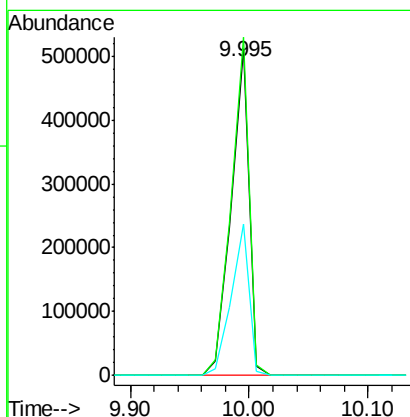
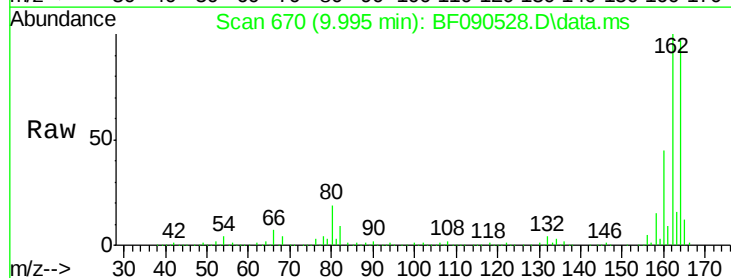
Instrument :  
BNA\_F  
ClientSampleId :  
WC-WH-DRUM-03-C

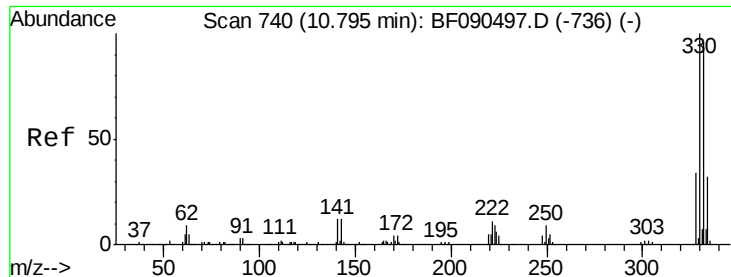
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 120.0 | 103.9 | 143.9 |
| 77      | 94.4  | 74.6  | 114.6 |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.995 min Scan# 670  
Delta R.T. -0.011 min  
Lab File: BF090528.D  
Acq: 12 Oct 2016 11:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.4 | 80.1  | 120.1 |
| 160     | 46.3  | 36.3  | 54.5  |

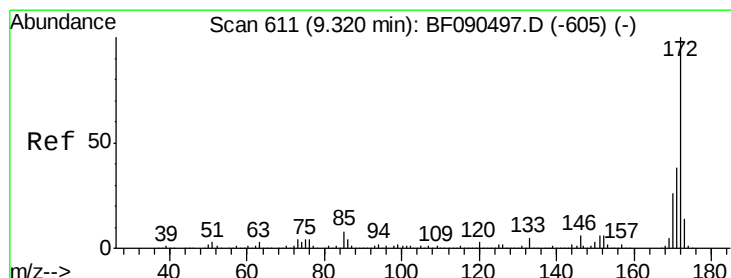
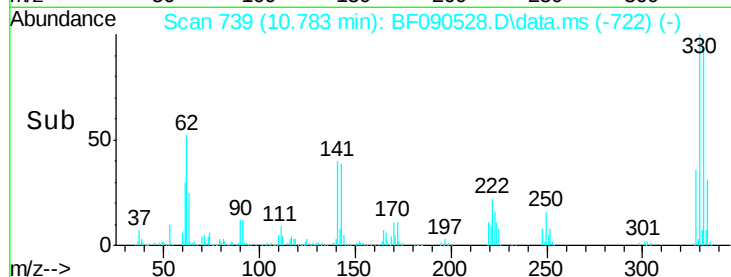
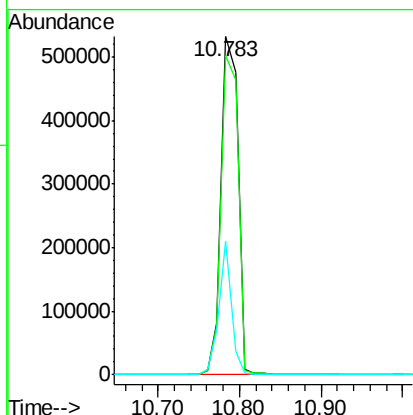
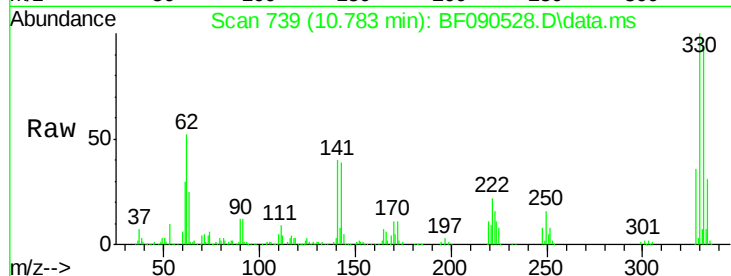




#41  
 2,4,6-Tribromophenol  
 Concen: 143.29 ng  
 RT: 10.783 min Scan# 73  
 Delta R.T. -0.011 min  
 Lab File: BF090528.D  
 Acq: 12 Oct 2016 11:54

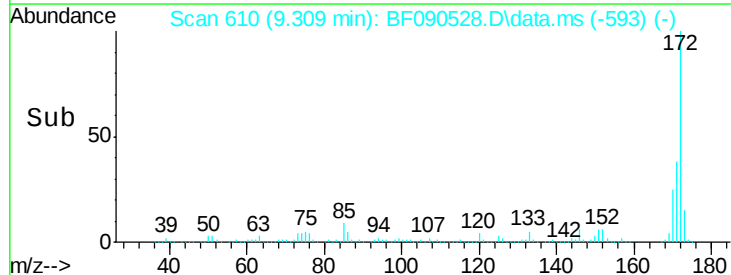
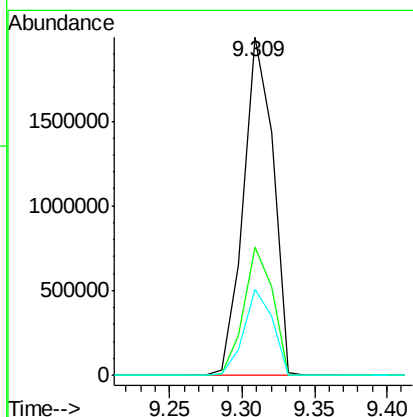
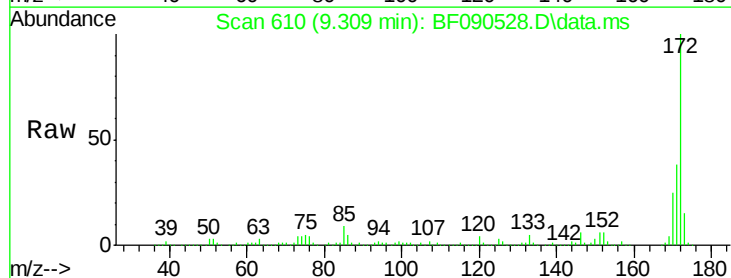
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-WH-DRUM-03-C

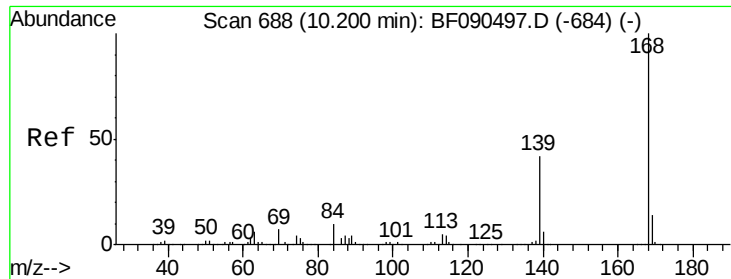
Tot Ion:330 Resp: 762538  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 75.4 113.0  
 141 29.7 26.9 40.3



#44  
 2-Fluorobiphenyl  
 Concen: 88.56 ng  
 RT: 9.309 min Scan# 610  
 Delta R.T. -0.011 min  
 Lab File: BF090528.D  
 Acq: 12 Oct 2016 11:54

Tgt Ion:172 Resp: 2829051  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 31.8 47.8  
 170 25.5 21.7 32.5





#54

Dibenzofuran

Concen: 3.46 ng

RT: 10.269 min Scan# 69

Delta R.T. 0.069 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

Instrument :

BNA\_F

ClientSampleId :

WC-WH-DRUM-03-C

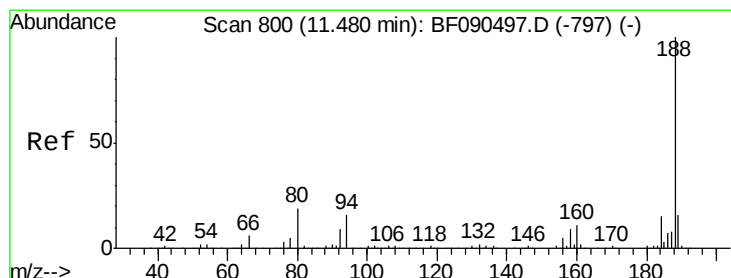
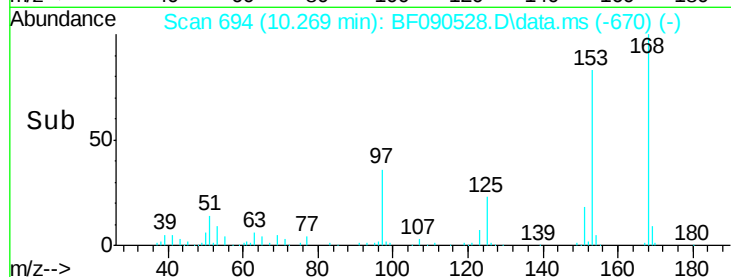
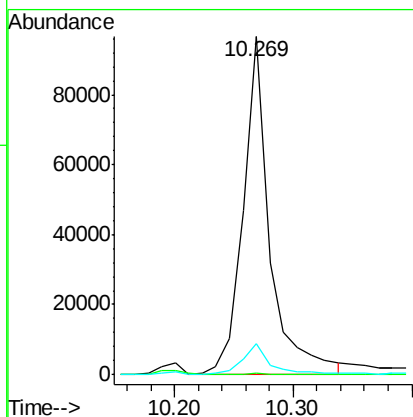
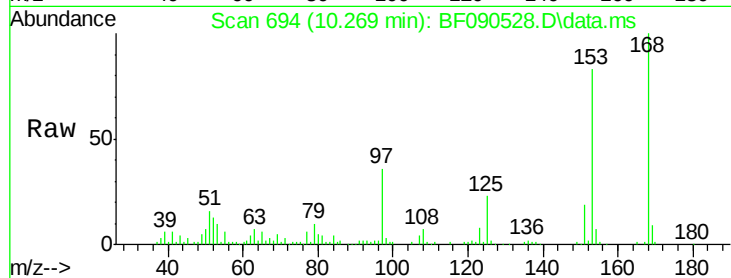
Tot Ion:168 Resp: 152073

Ion Ratio Lower Upper

168 100

139 0.4 29.6 44.4#

169 9.0 11.3 16.9#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.481 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

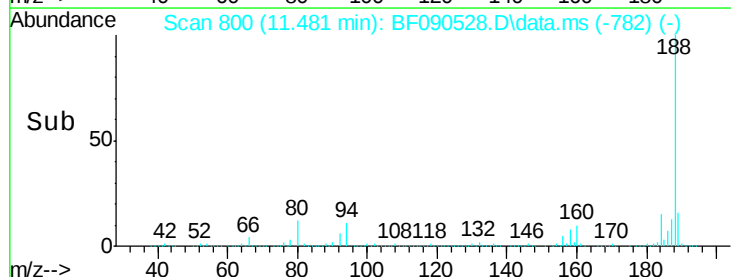
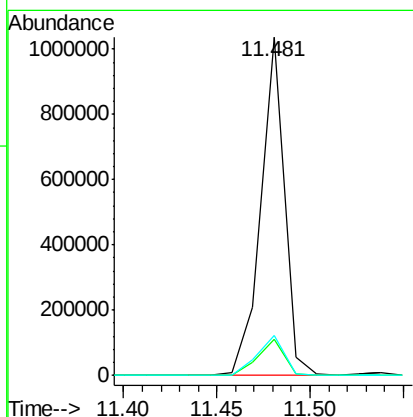
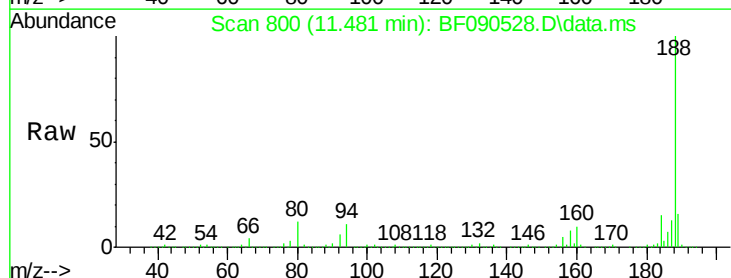
Tgt Ion:188 Resp: 899851

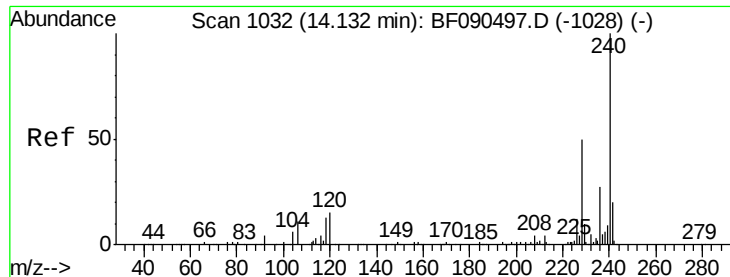
Ion Ratio Lower Upper

188 100

94 10.7 8.2 12.2

80 11.6 8.8 13.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.121 min Scan# 10

Delta R.T. -0.011 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

Instrument :

BNA\_F

ClientSampleId :

WC-WH-DRUM-03-C

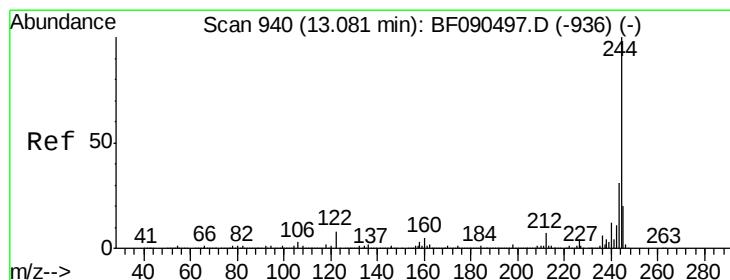
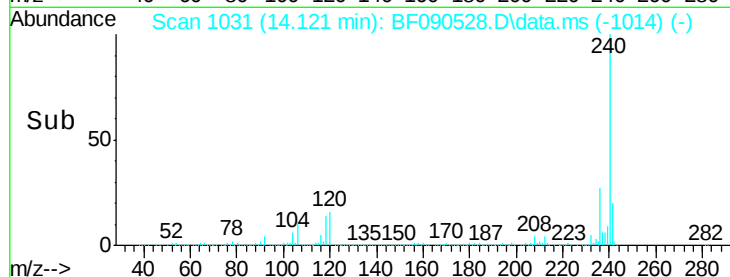
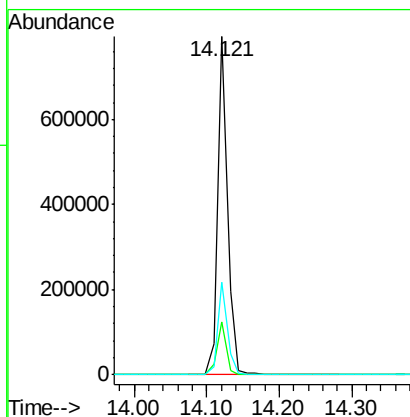
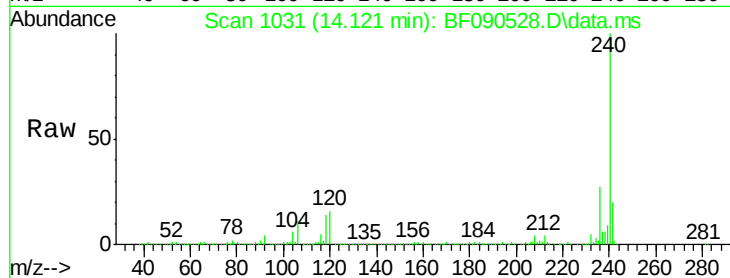
Tot Ion:240 Resp: 745137

Ion Ratio Lower Upper

240 100

120 15.8 8.6 13.0#

236 27.2 21.6 32.4



#78

Terphenyl-d14

Concen: 88.93 ng

RT: 13.069 min Scan# 939

Delta R.T. -0.011 min

Lab File: BF090528.D

Acq: 12 Oct 2016 11:54

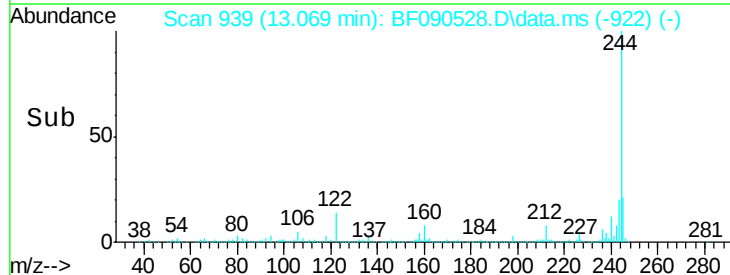
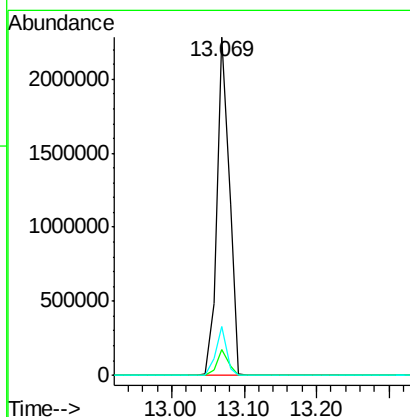
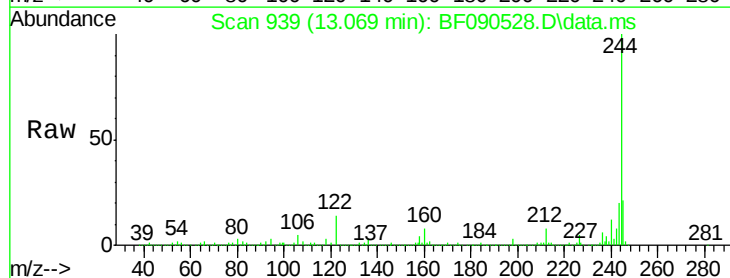
Tgt Ion:244 Resp: 2711513

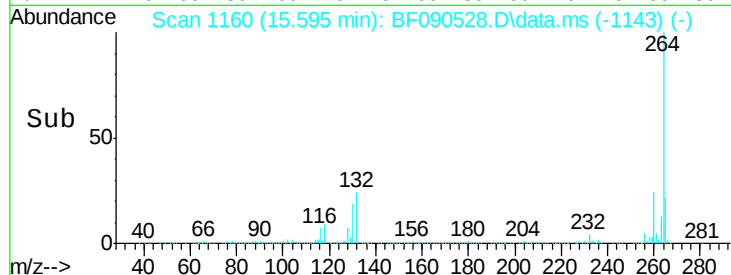
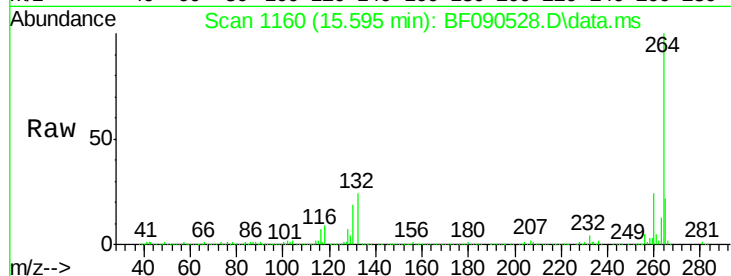
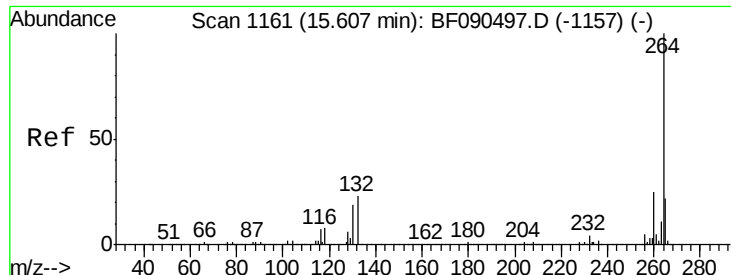
Ion Ratio Lower Upper

244 100

212 7.6 6.8 10.2

122 14.5 13.3 19.9





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.595 min Scan# 11  
 Delta R.T. -0.011 min  
 Lab File: BF090528.D  
 Acq: 12 Oct 2016 11:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-WH-DRUM-03-C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 552056 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.3  | 19.3  | 28.9   |
| 265       | 22.0  | 17.4  | 26.0   |

