

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101916\  
 Data File : BF090662.D  
 Acq On : 19 Oct 2016 21:55  
 Operator : UM/SJ  
 Sample : H5317-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101816-05

Quant Time: Oct 20 01:03:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 19 15:13:23 2016  
 Response via : Initial Calibration

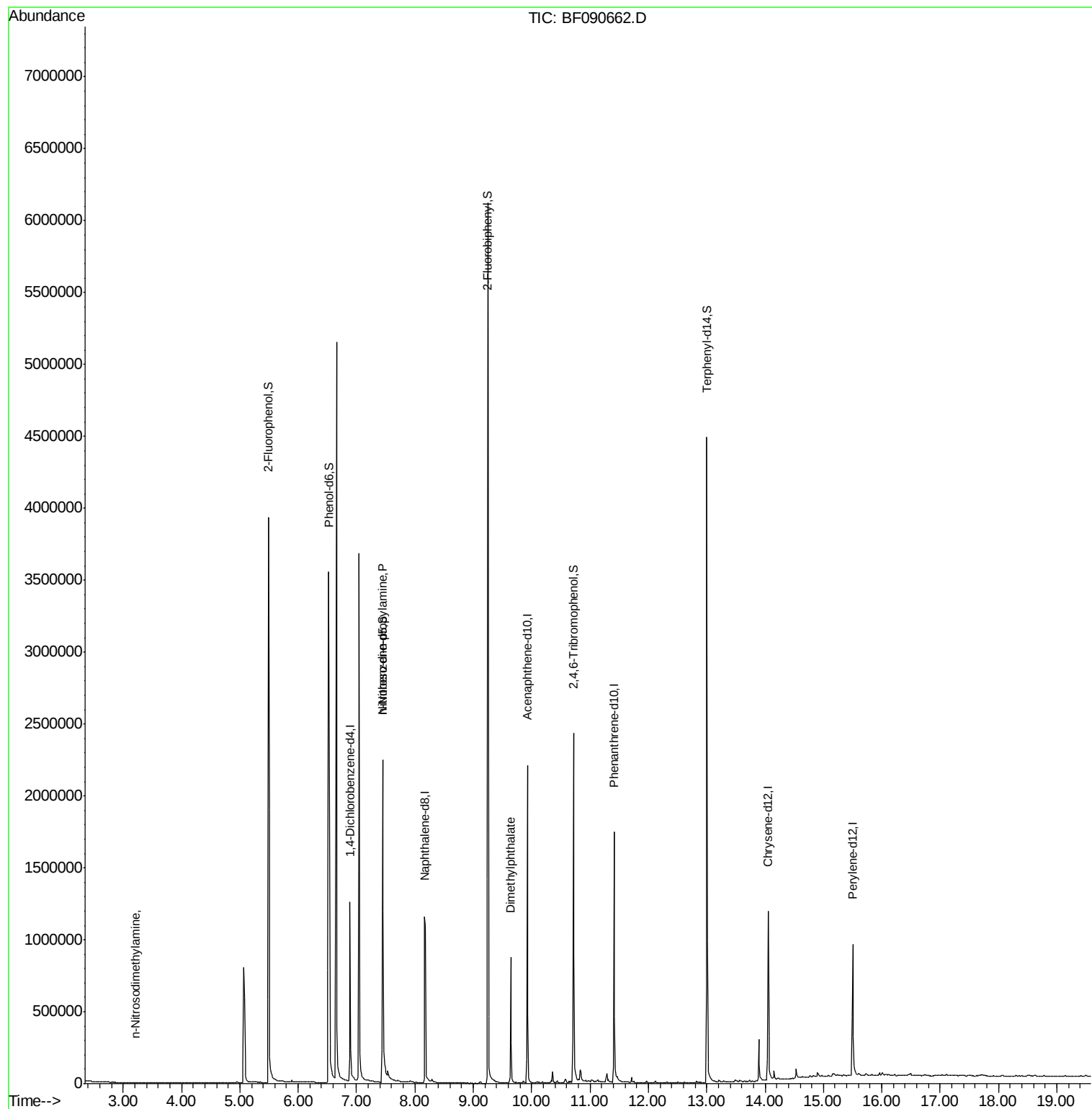
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 199340   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.18  | 136  | 828780   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.93  | 164  | 441475   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.41 | 188  | 644513   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.05 | 240  | 422277   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.50 | 264  | 399714   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1331314  | 122.44 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 1769453  | 109.51 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 1089345  | 73.01  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 293839   | 74.66  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.25  | 172  | 1835281  | 68.50  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.00 | 244  | 1415945  | 78.07  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 4) n-Nitrosodimethylamine      | 3.21  | 42   | 206      | 7.21   | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 126641   | 11.43  | ng    | # 81     |
| 49) Dimethylphthalate          | 9.64  | 163  | 351445   | 12.27  | ng    | 100      |

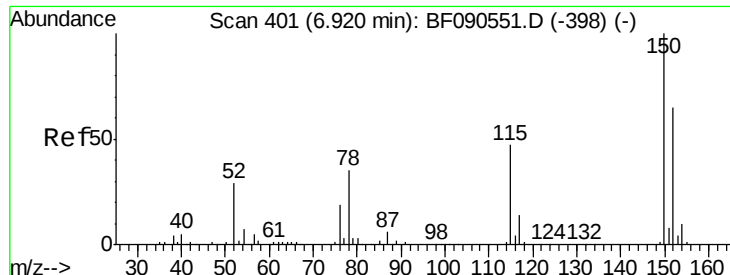
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 19 15:13:23 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

Instrument :

BNA\_F

ClientSampleId :

101816-05

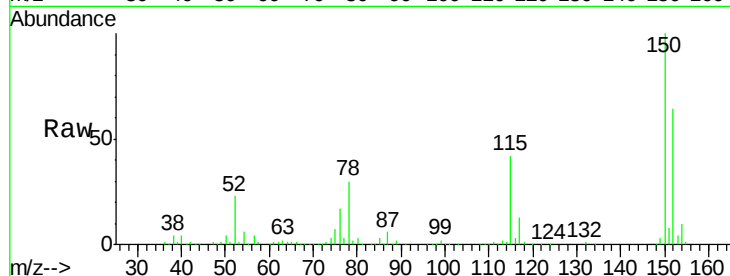
Tgt Ion:152 Resp: 199340

Ion Ratio Lower Upper

152 100

150 157.3 127.2 190.8

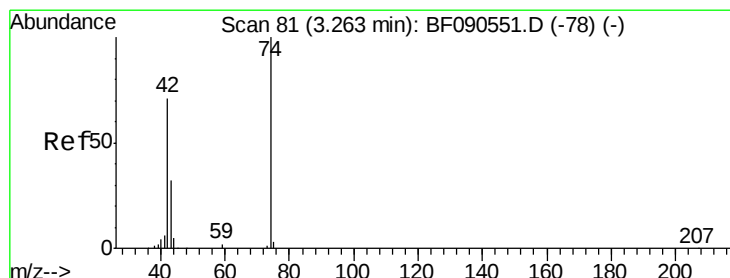
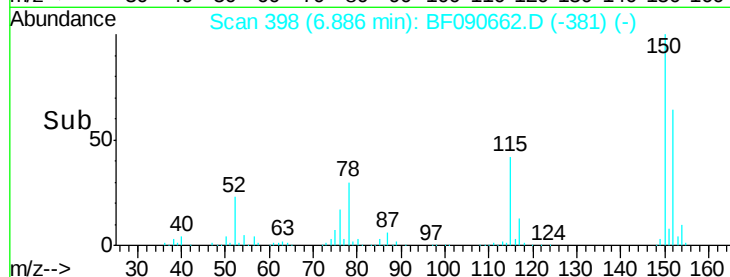
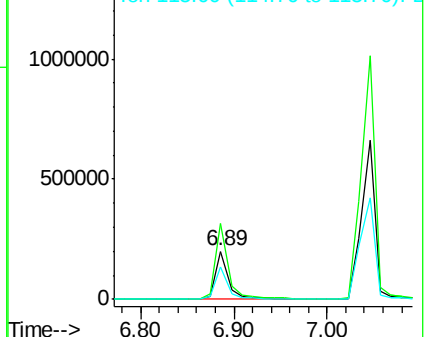
115 66.3 58.6 88.0



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



#4

n-Nitrosodimethylamine

Concen: 7.21 ng

RT: 3.21 min Scan# 76

Delta R.T. -0.01 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

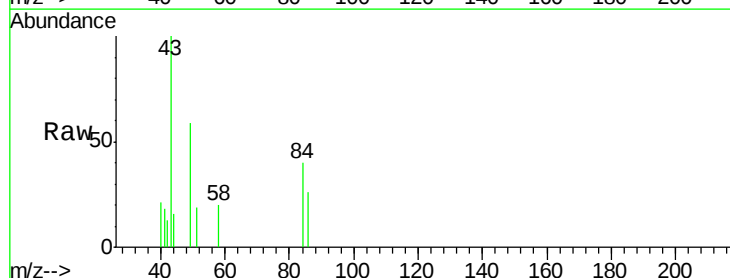
Tgt Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

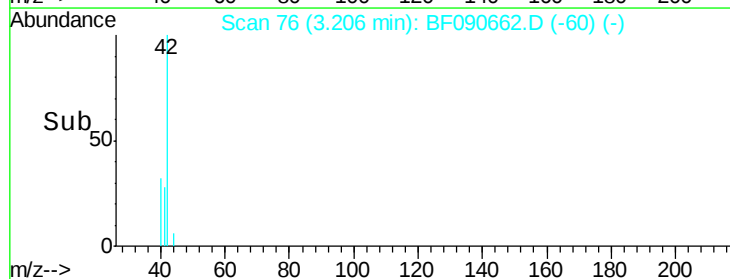
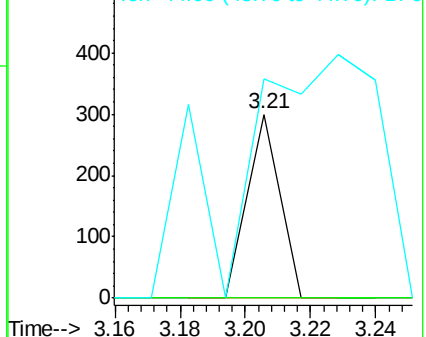
44 119.0 6.0 9.0#

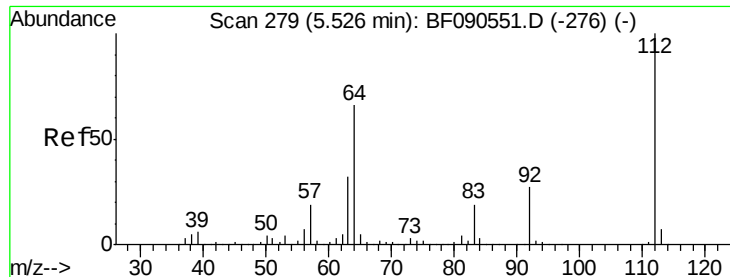


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 122.44 ng

RT: 5.49 min Scan# 276

Delta R.T. -0.00 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

Instrument :

BNA\_F

ClientSampleId :

101816-05

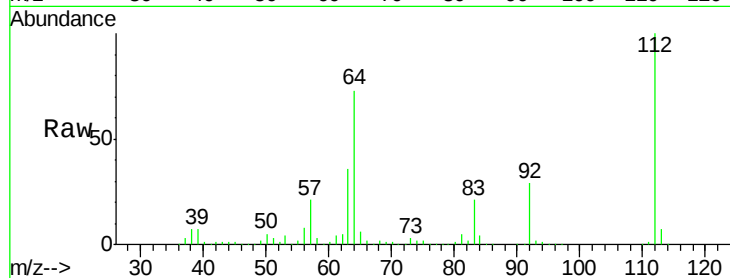
Tgt Ion: 112 Resp: 1331314

Ion Ratio Lower Upper

112 100

64 72.9 52.6 78.8

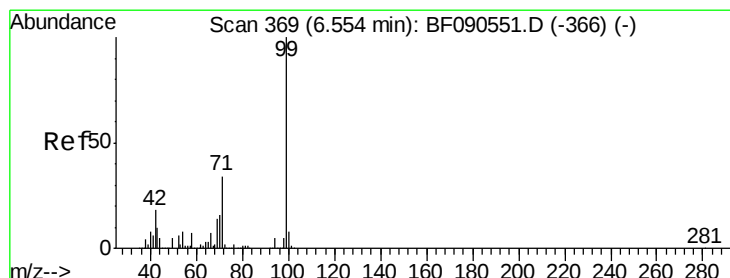
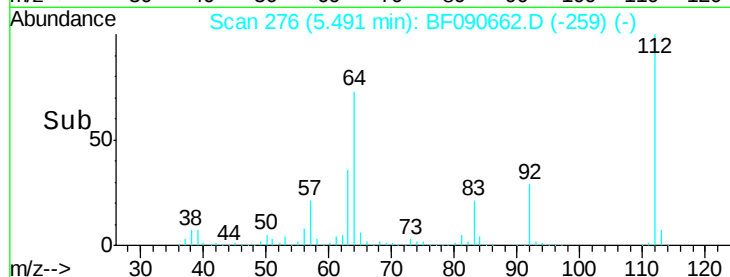
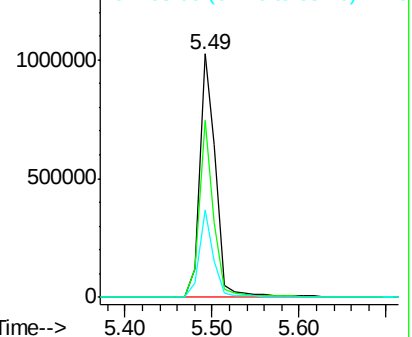
63 35.9 26.0 39.0



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: 109.51 ng

RT: 6.52 min Scan# 366

Delta R.T. -0.01 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

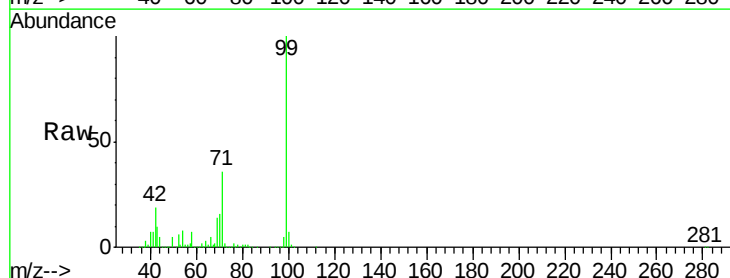
Tgt Ion: 99 Resp: 1769453

Ion Ratio Lower Upper

99 100

42 18.9 14.7 22.1

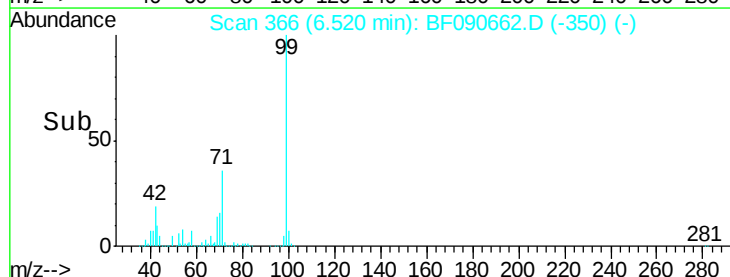
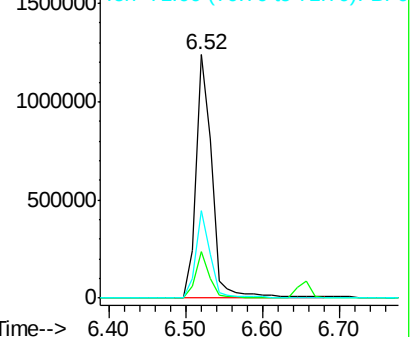
71 35.8 27.6 41.4

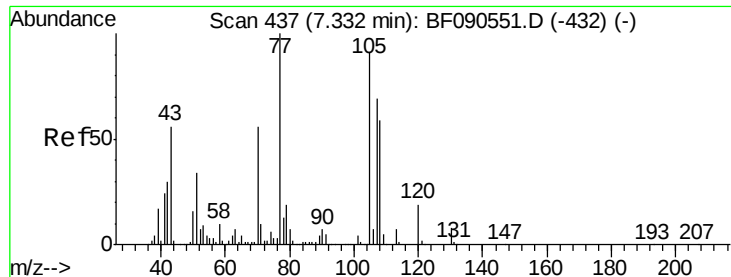


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

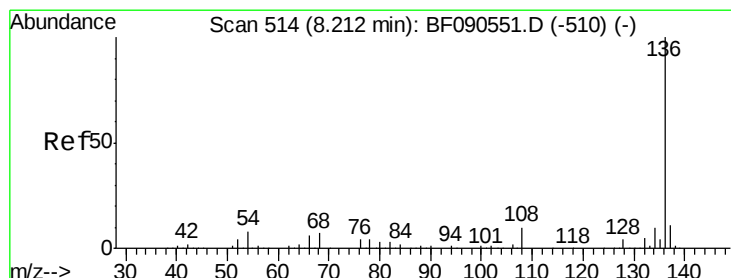
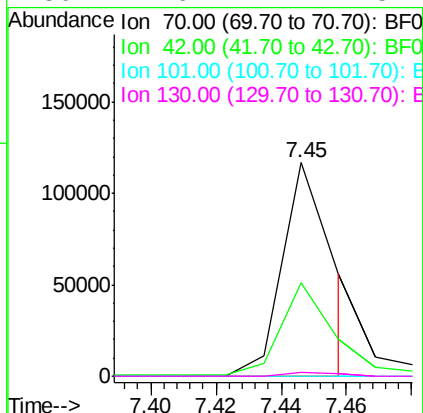
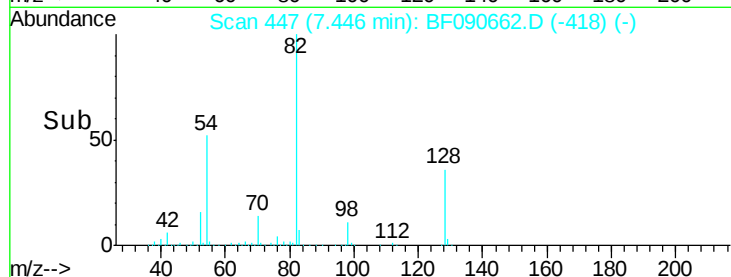
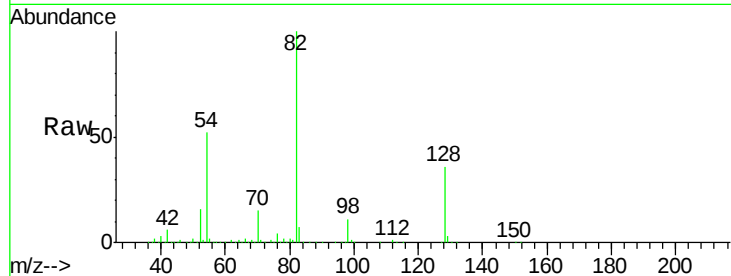




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.43 ng  
RT: 7.45 min Scan# 447  
Delta R.T. 0.14 min  
Lab File: BF090662.D  
Acq: 19 Oct 2016 21:55

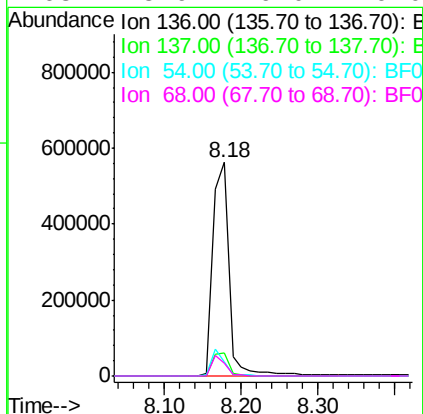
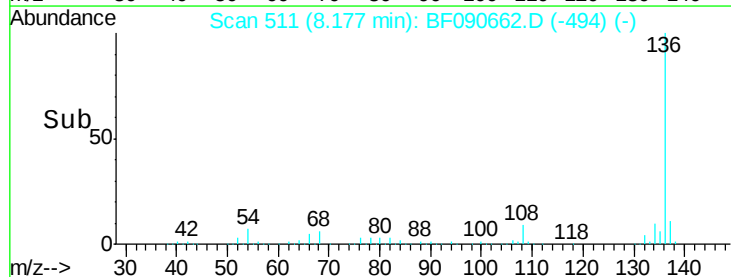
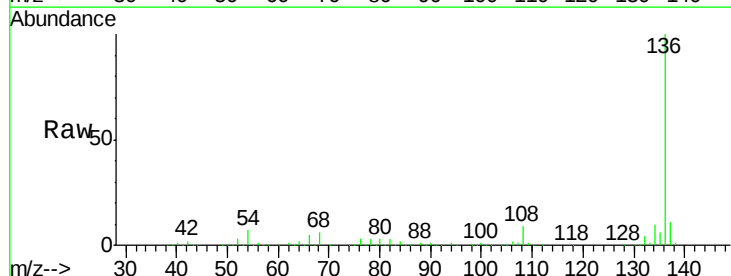
Instrument :  
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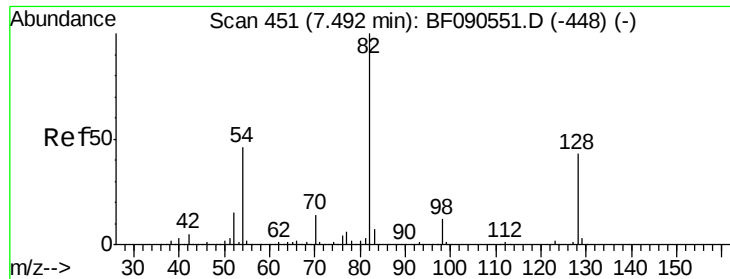
Tgt Ion: 70 Resp: 126641  
Ion Ratio Lower Upper  
70 100  
42 43.6 43.4 65.0  
101 0.0 6.4 9.6#  
130 1.6 12.1 18.1#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.18 min Scan# 511  
Delta R.T. -0.00 min  
Lab File: BF090662.D  
Acq: 19 Oct 2016 21:55

Tgt Ion: 136 Resp: 828780  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 6.7 6.8 10.2#  
68 5.9 6.0 9.0#

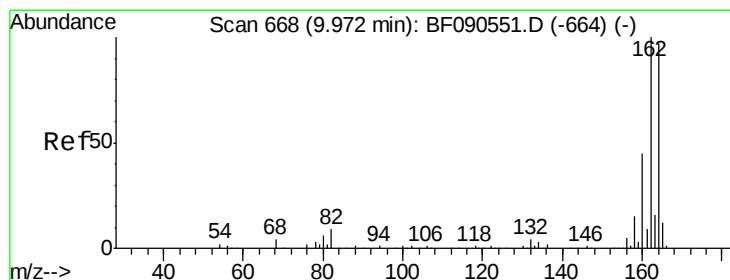
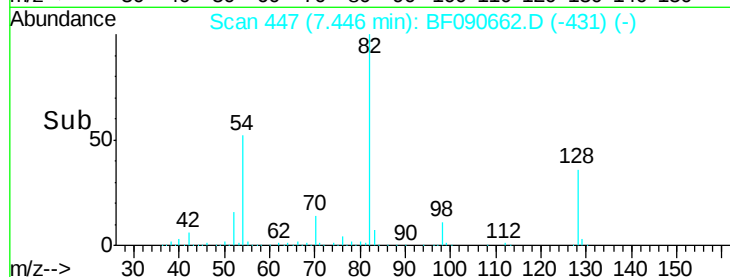
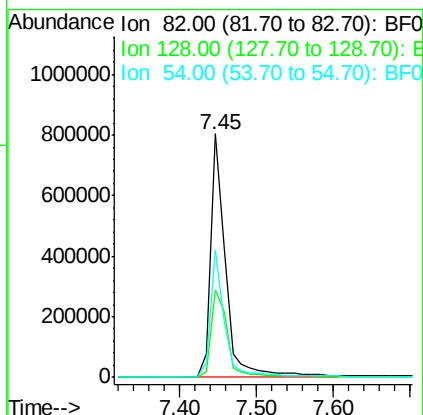
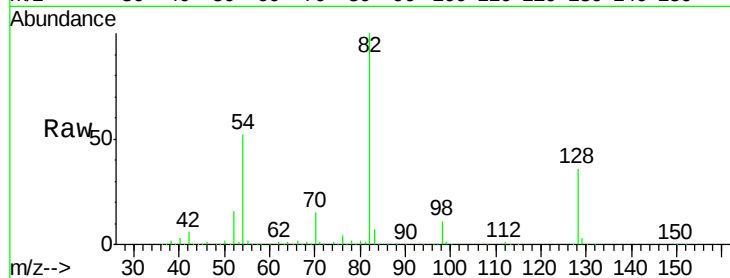




#23  
 Nitrobenzene-d5  
 Concen: 73.01 ng  
 RT: 7.45 min Scan# 447  
 Delta R.T. -0.01 min  
 Lab File: BF090662.D  
 Acq: 19 Oct 2016 21:55

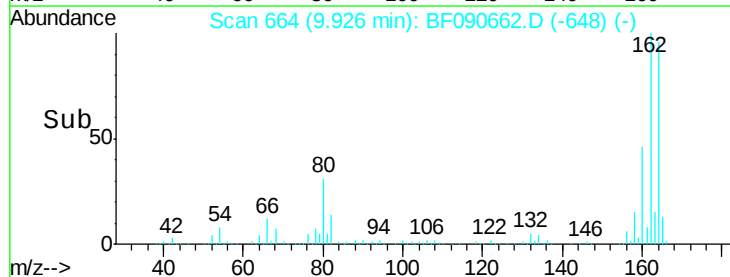
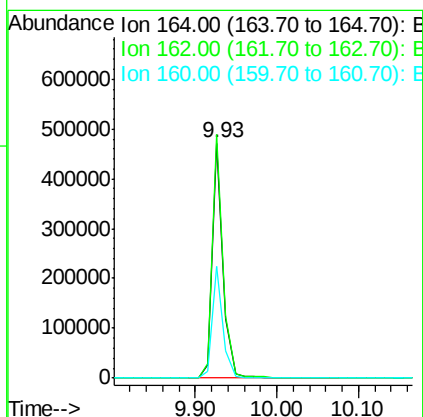
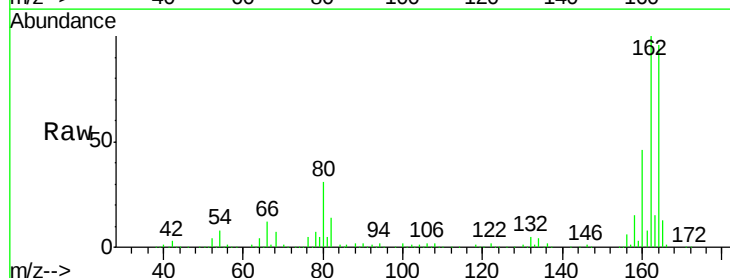
Instrument :  
 BNA\_F  
 ClientSampleId :  
 101816-05

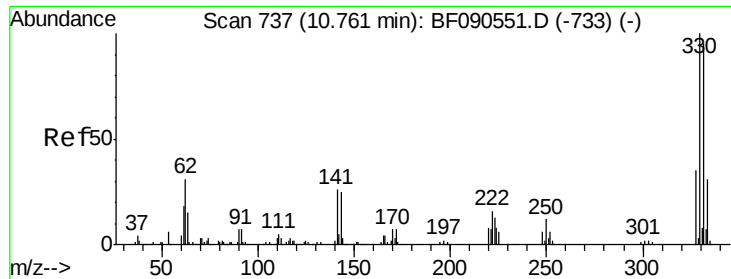
Tgt Ion: 82 Resp: 1089345  
 Ion Ratio Lower Upper  
 82 100  
 128 36.0 34.3 51.5  
 54 52.4 37.0 55.6



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 664  
 Delta R.T. -0.01 min  
 Lab File: BF090662.D  
 Acq: 19 Oct 2016 21:55

Tgt Ion: 164 Resp: 441475  
 Ion Ratio Lower Upper  
 164 100  
 162 103.8 82.2 123.4  
 160 47.9 36.6 55.0

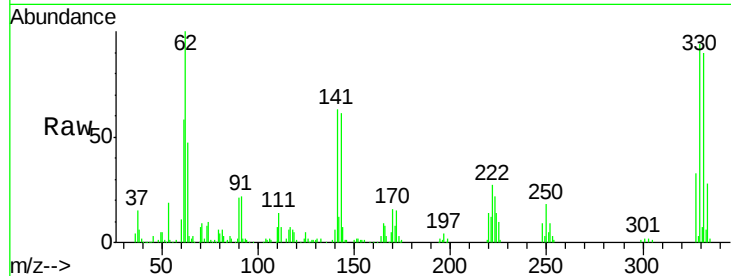




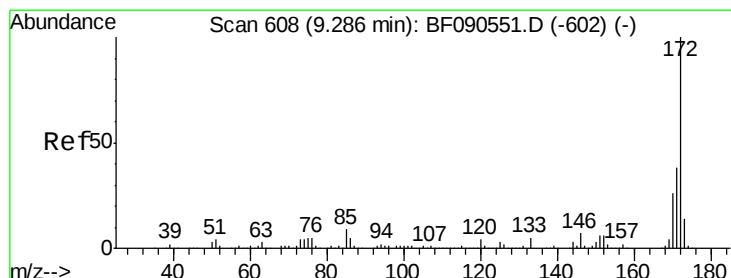
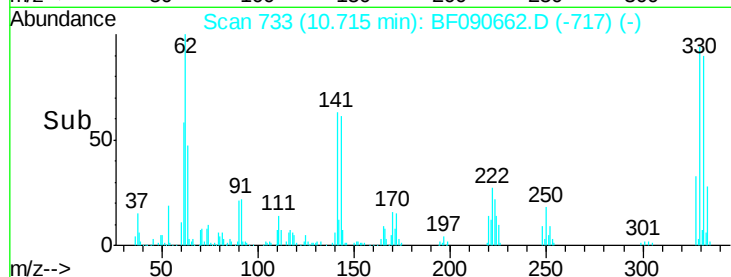
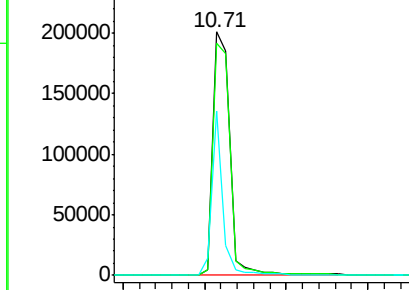
#41  
 2,4,6-Tribromophenol  
 Concen: 74.66 ng  
 RT: 10.71 min Scan# 733  
 Delta R.T. -0.01 min  
 Lab File: BF090662.D  
 Acq: 19 Oct 2016 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101816-05

Tgt Ion:330 Resp: 293839  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.2 114.2  
 141 44.7 31.4 47.2

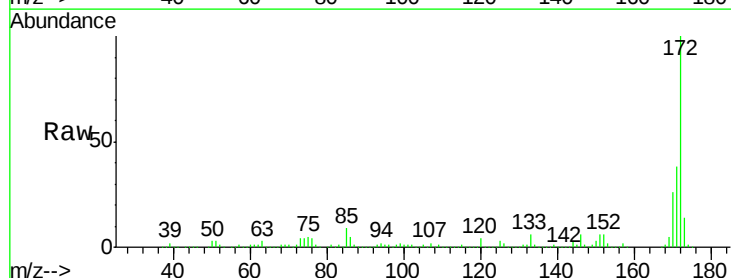


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

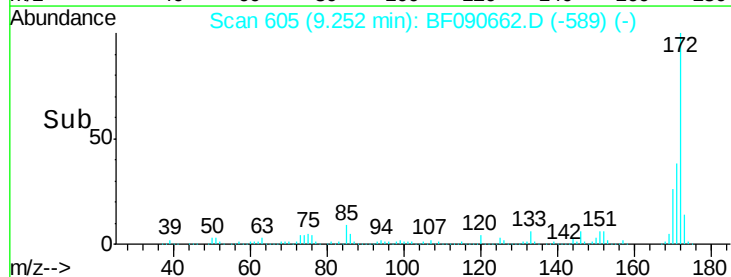
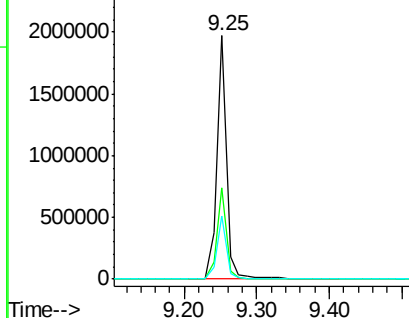


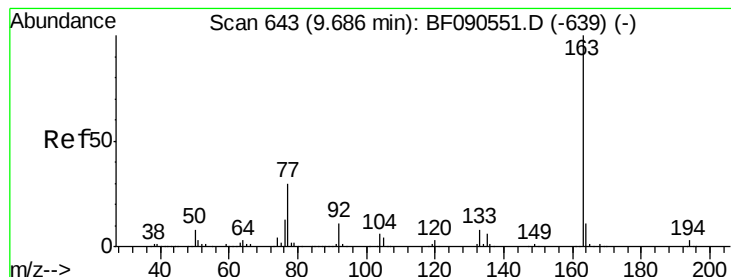
#44  
 2-Fluorobiphenyl  
 Concen: 68.50 ng  
 RT: 9.25 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: BF090662.D  
 Acq: 19 Oct 2016 21:55

Tgt Ion:172 Resp: 1835281  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 30.1 45.1  
 170 25.7 20.6 30.8



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: 12.27 ng

RT: 9.64 min Scan# 639

Delta R.T. -0.02 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

Instrument :

BNA\_F

ClientSampleId :

101816-05

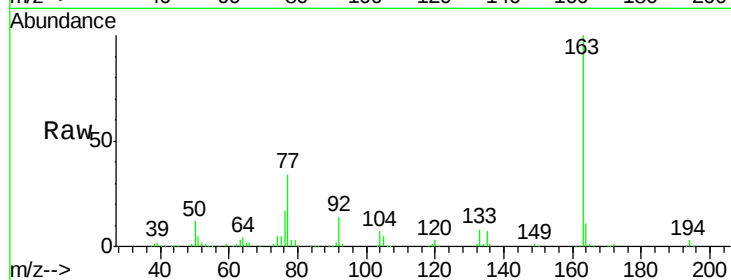
Tgt Ion:163 Resp: 351445

Ion Ratio Lower Upper

163 100

194 2.9 2.3 3.5

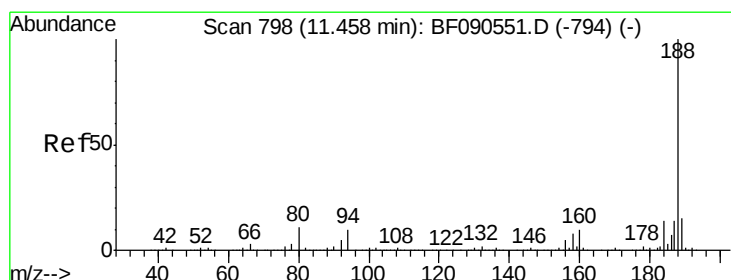
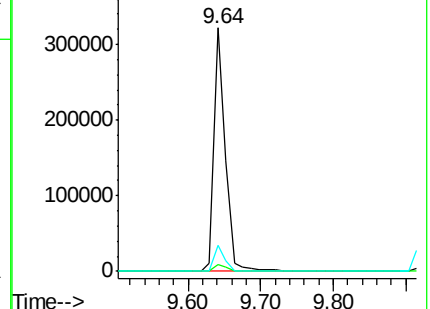
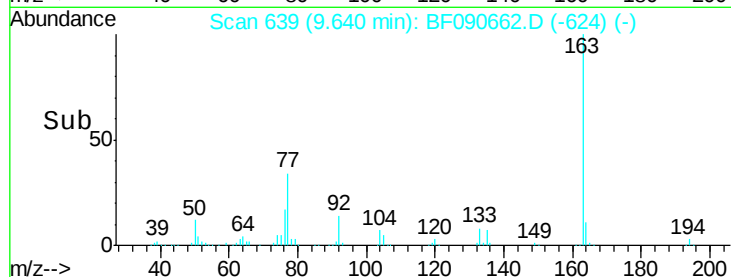
164 10.8 8.6 13.0



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: 11.41 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

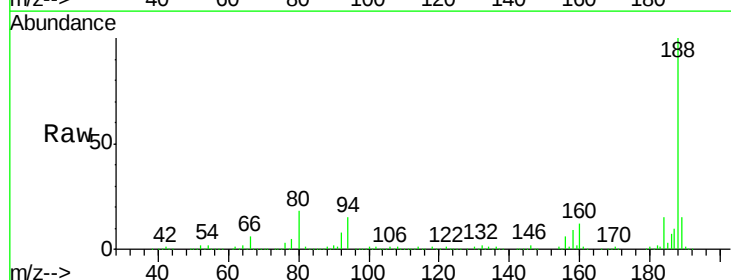
Tgt Ion:188 Resp: 644513

Ion Ratio Lower Upper

188 100

94 14.8 7.7 11.5#

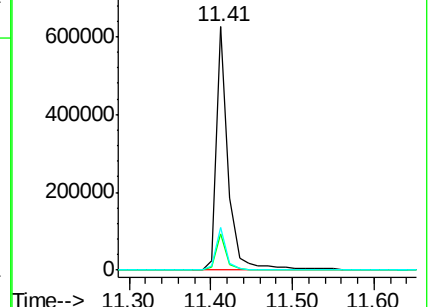
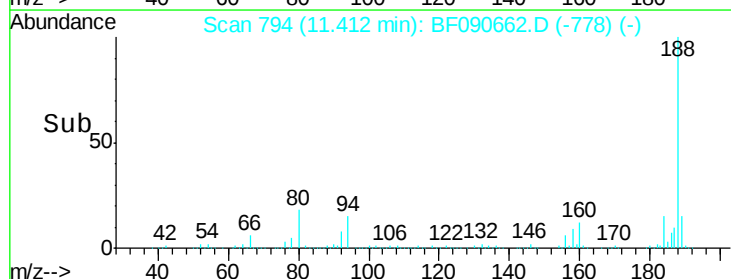
80 17.6 8.6 12.8#

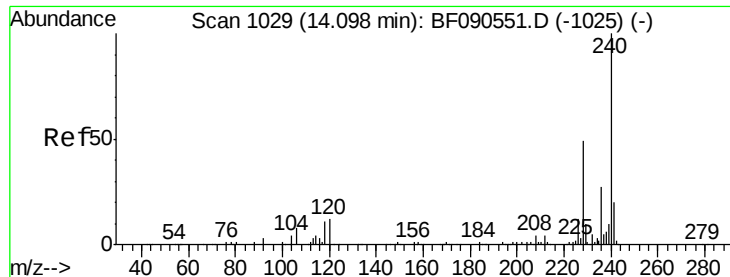


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.05 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

Instrument :

BNA\_F

ClientSampleId :

101816-05

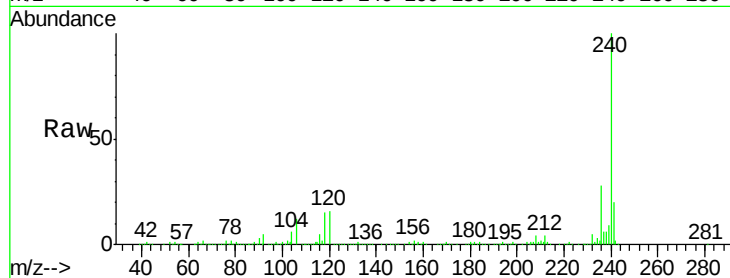
Tgt Ion:240 Resp: 422277

Ion Ratio Lower Upper

240 100

120 16.5 9.8 14.8#

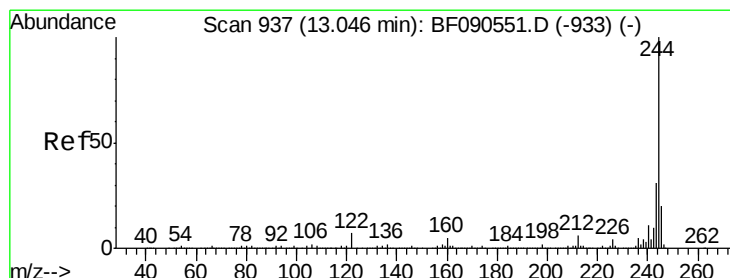
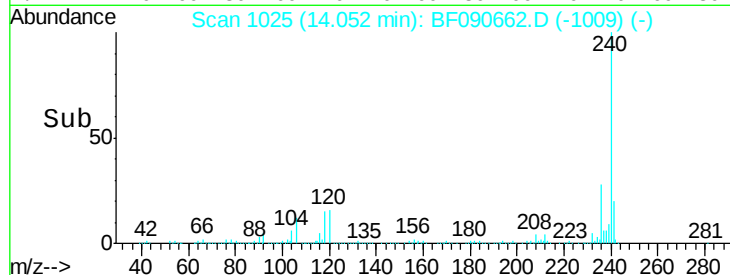
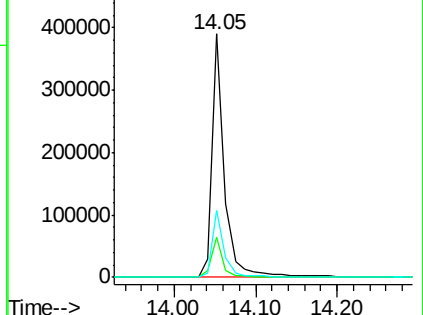
236 27.5 21.7 32.5



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: 78.07 ng

RT: 13.00 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF090662.D

Acq: 19 Oct 2016 21:55

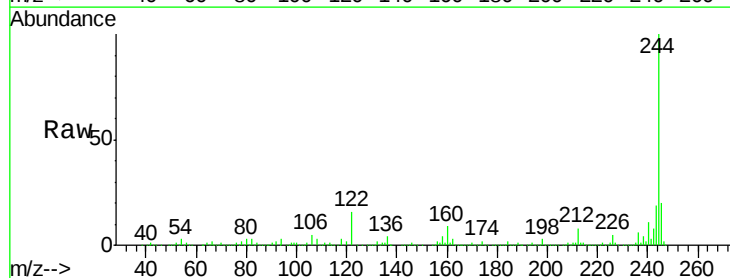
Tgt Ion:244 Resp: 1415945

Ion Ratio Lower Upper

244 100

212 7.9 5.0 7.4#

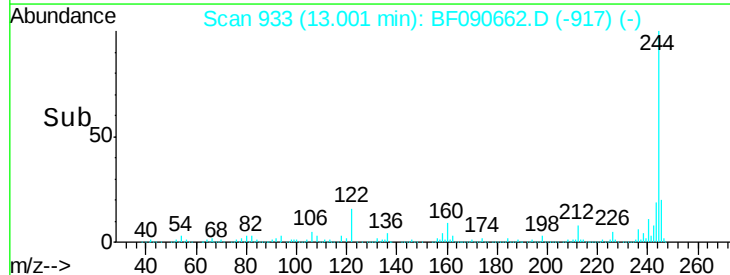
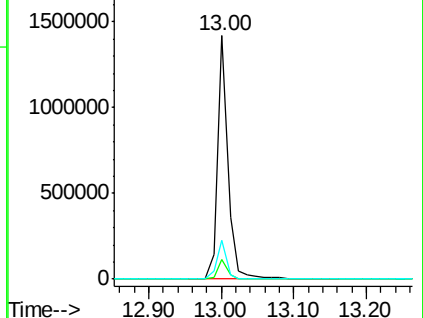
122 15.8 5.6 8.4#

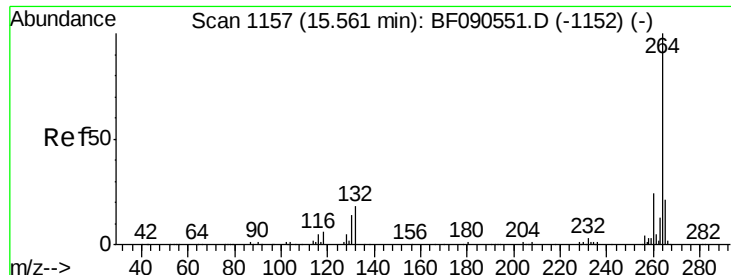


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

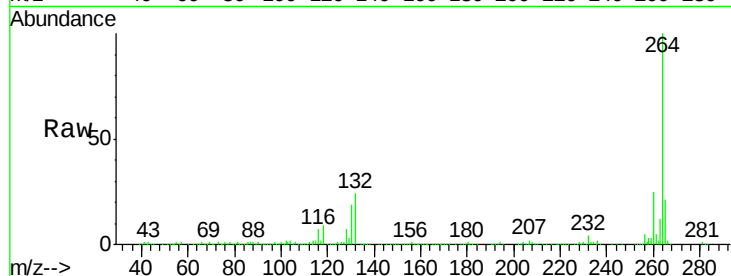




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.50 min Scan# 1152  
Delta R.T. -0.01 min  
Lab File: BF090662.D  
Acq: 19 Oct 2016 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
101816-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.5  | 19.3  | 28.9  |
| 265     | 21.5  | 16.7  | 25.1  |



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

