

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\  
 Data File : BF089499.D  
 Acq On : 1 Aug 2016 7:00  
 Operator : UM/SJ  
 Sample : H4215-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 01 07:35:23 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 04:11:30 2016  
 Response via : Initial Calibration

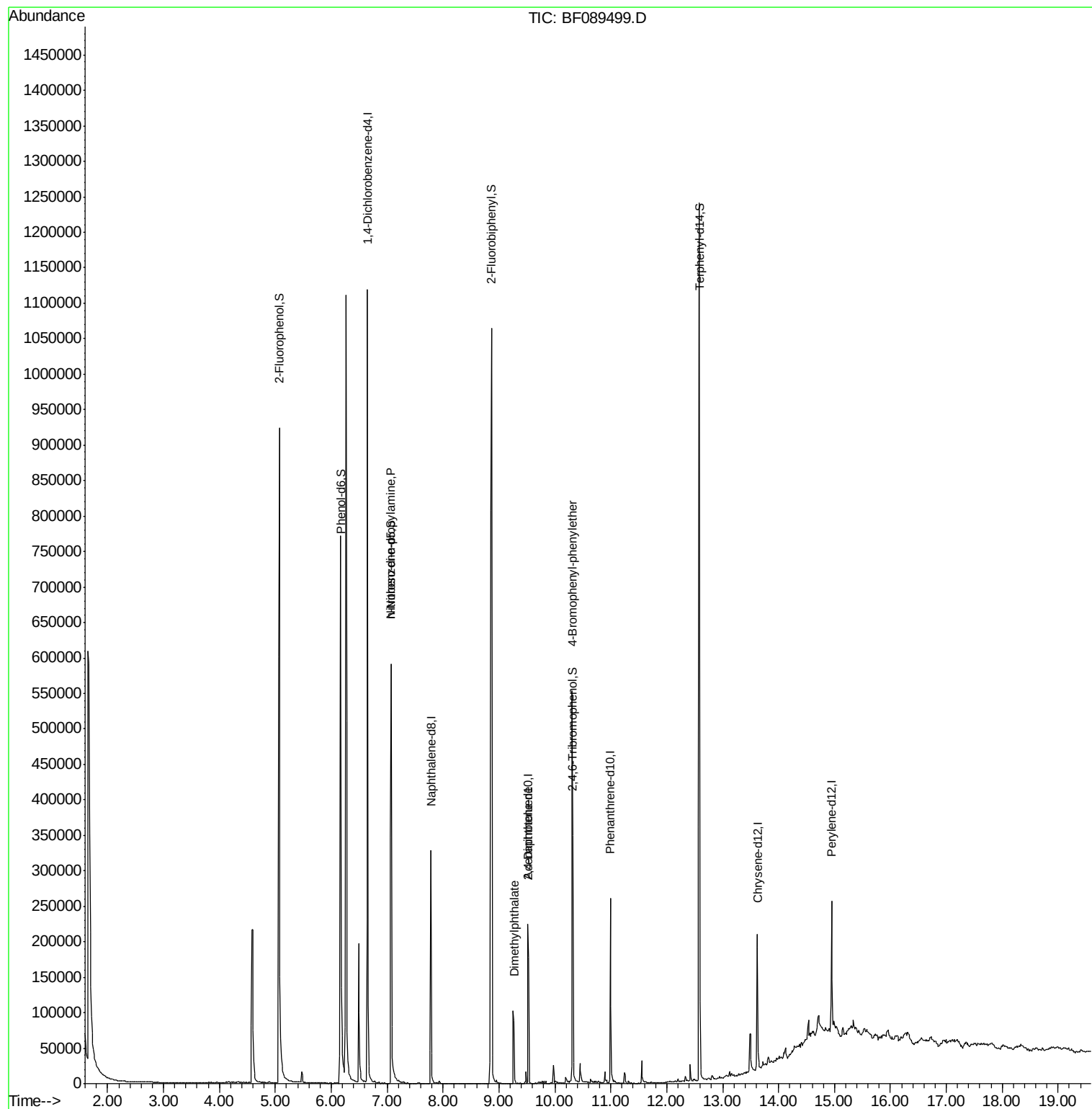
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.65  | 152  | 169759   | 20.00  | ng    | 0.15     |
| 21) Naphthalene-d8             | 7.78  | 136  | 160455   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.52  | 164  | 60165    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.99 | 188  | 112659   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.62 | 240  | 90345    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 14.95 | 264  | 69956    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.07  | 112  | 382960   | 36.02  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.17  | 99   | 470705   | 33.50  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.07  | 82   | 288688   | 106.20 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.32 | 330  | 75283    | 151.08 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.87  | 172  | 481406   | 117.43 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.58 | 244  | 378150   | 97.96  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.07  | 70   | 37390    | 4.41   | ng    | # 77     |
| 49) Dimethylphthalate          | 9.27  | 163  | 62474    | 13.64  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.52  | 165  | 7290     | 5.89   | ng    | # 7      |
| 66) 4-Bromophenyl-phenylether  | 10.31 | 248  | 5657     | 5.26   | ng    | # 1      |

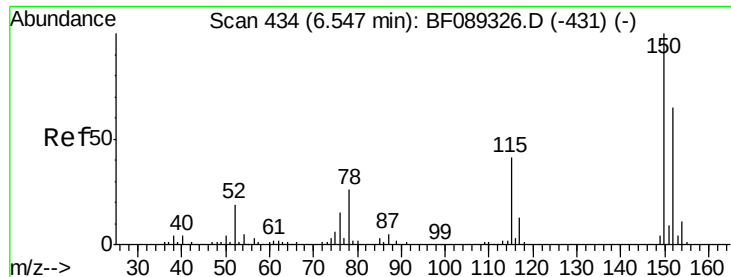
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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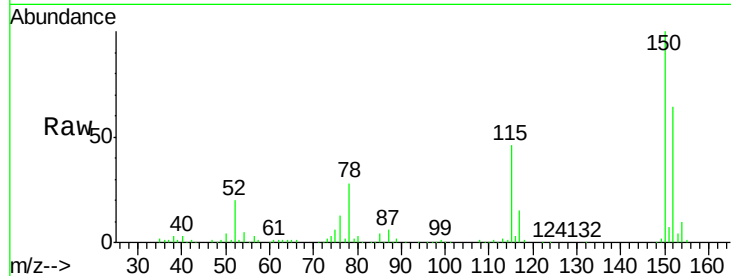


#1

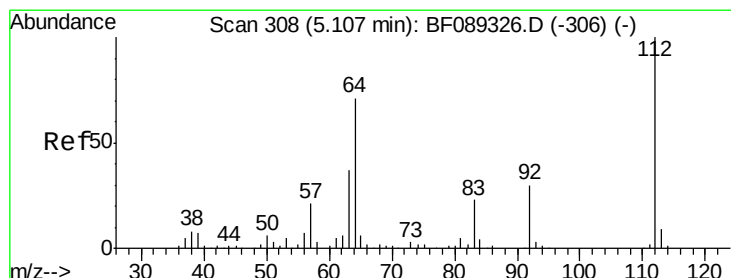
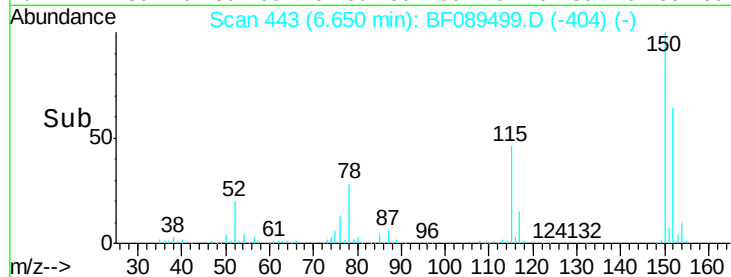
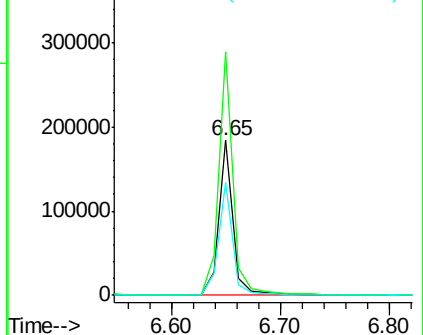
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.65 min Scan# 443  
Delta R.T. 0.15 min  
Lab File: BF089499.D  
Acq: 1 Aug 2016 7:00

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 129.5 | 194.3 |
| 115     | 72.6  | 51.4  | 77.2  |



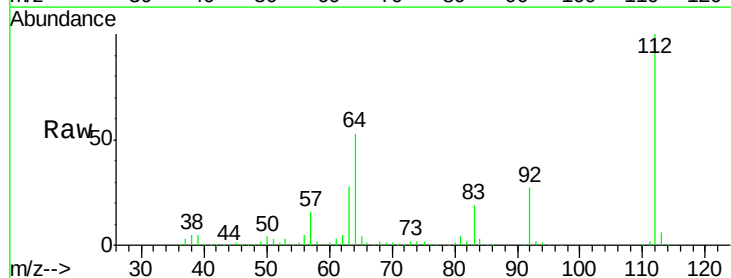
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



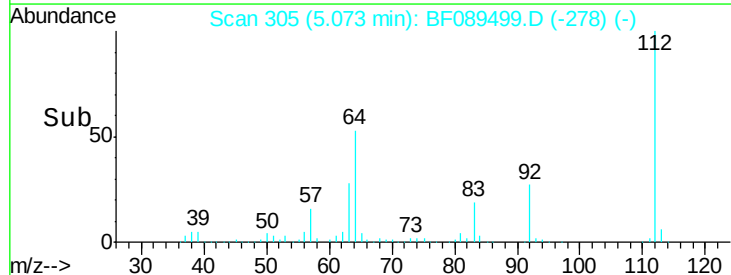
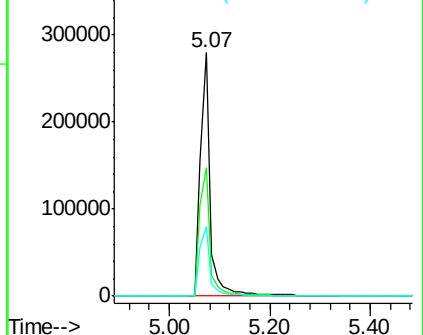
#5

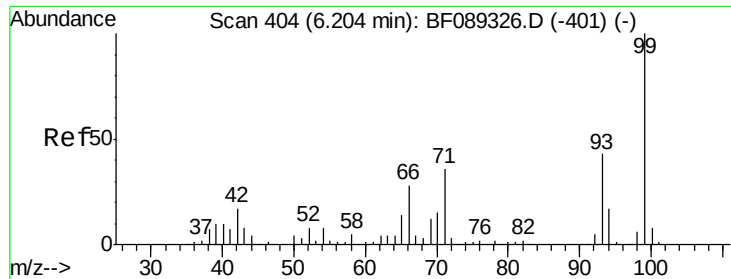
2-Fluorophenol  
Concen: 36.02 ng  
RT: 5.07 min Scan# 305  
Delta R.T. 0.01 min  
Lab File: BF089499.D  
Acq: 1 Aug 2016 7:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.7  | 55.0  | 82.6# |
| 63      | 28.4  | 29.4  | 44.2# |



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: 33.50 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF089499.D

Acq: 1 Aug 2016 7:00

Instrument :

BNA\_F

ClientSampleId :

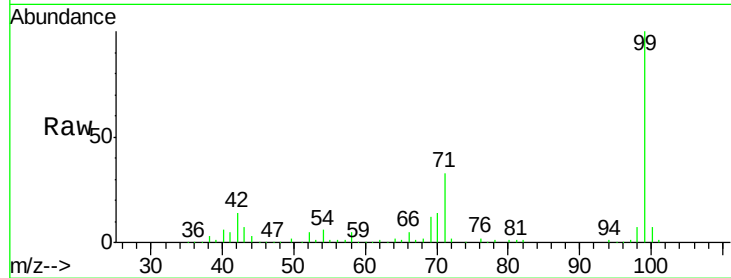
Tot Ion: 99 Resp: 470705

Ion Ratio Lower Upper

99 100

42 13.7 13.6 20.4

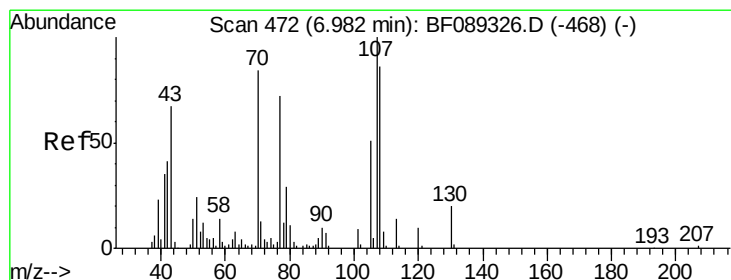
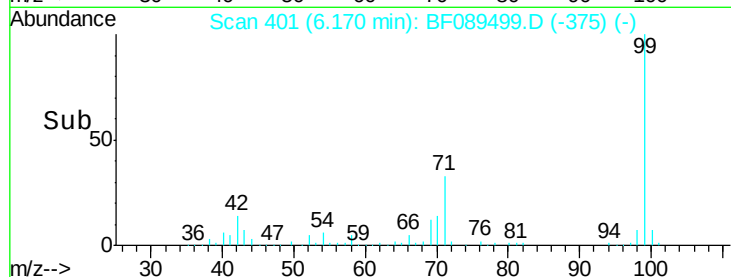
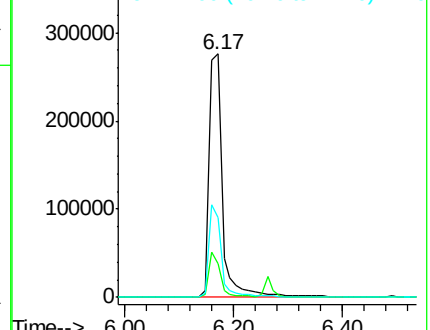
71 32.7 29.4 44.2



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: 4.41 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089499.D

Acq: 1 Aug 2016 7:00

Tgt Ion: 70 Resp: 37390

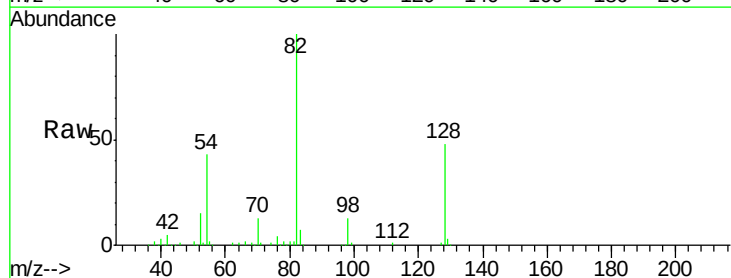
Ion Ratio Lower Upper

70 100

42 40.1 38.6 57.8

101 0.0 8.3 12.5#

130 2.0 19.0 28.4#

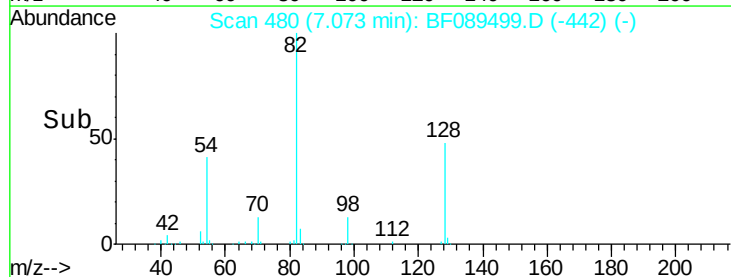
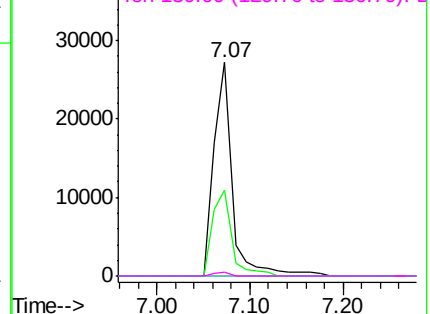


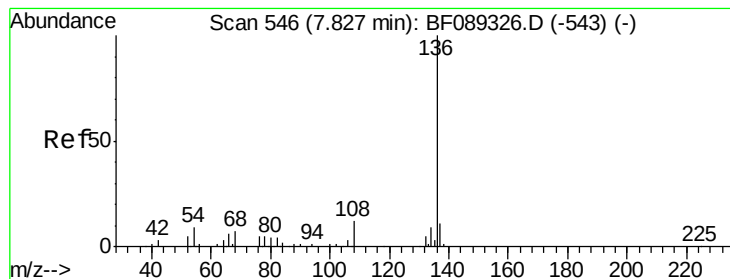
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF089499.D

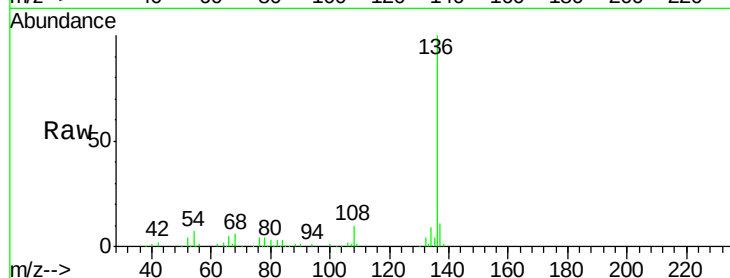
Acq: 1 Aug 2016 7:00

Instrument :

BNA\_F

ClientSampled :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 160455   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.6 13.0 |
| 54          | 6.8   | 7.0 10.4 |
| 68          | 5.5   | 4.9 7.3  |

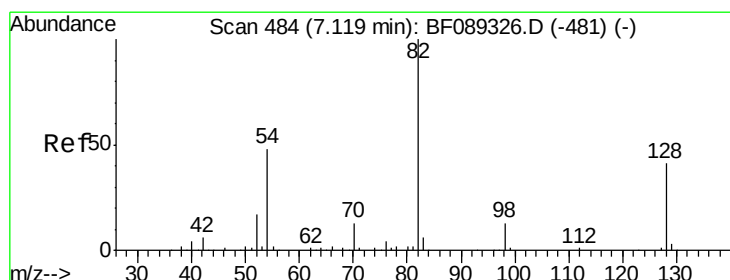
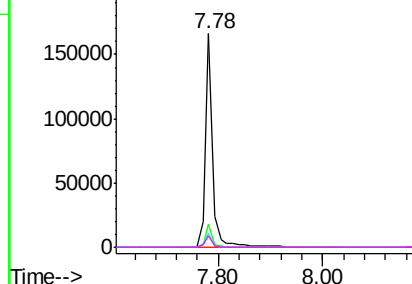
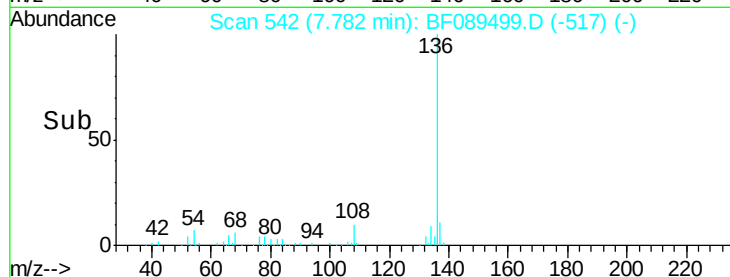


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.20 ng

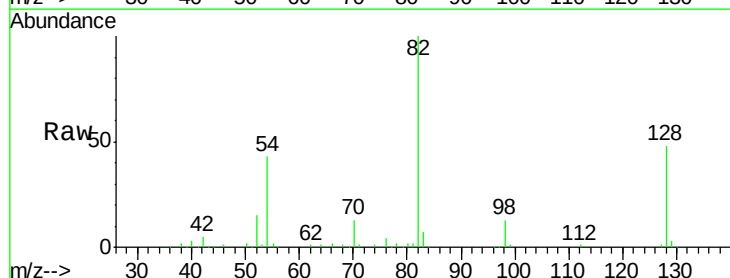
RT: 7.07 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF089499.D

Acq: 1 Aug 2016 7:00

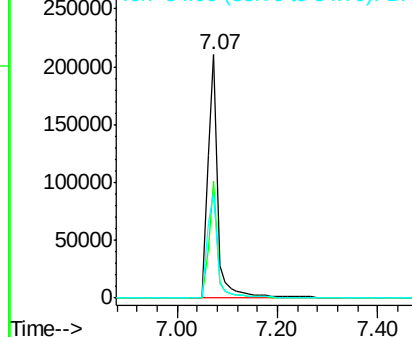
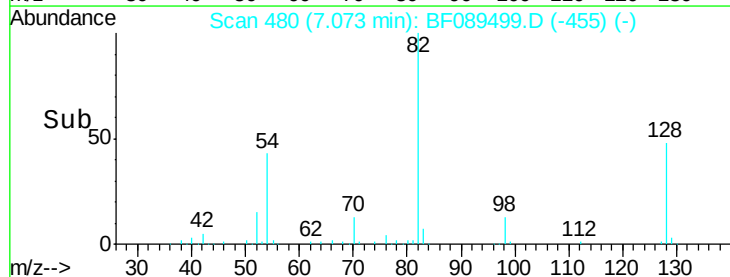
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 288688    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 48.1  | 32.5 48.7 |
| 54          | 43.2  | 38.8 58.2 |

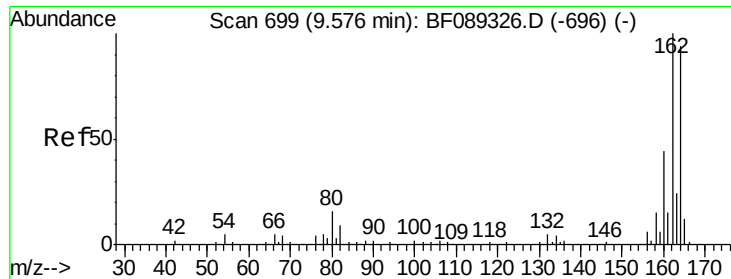


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.52 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF089499.D

Acq: 1 Aug 2016 7:00

Instrument :

BNA\_F

ClientSampleId :

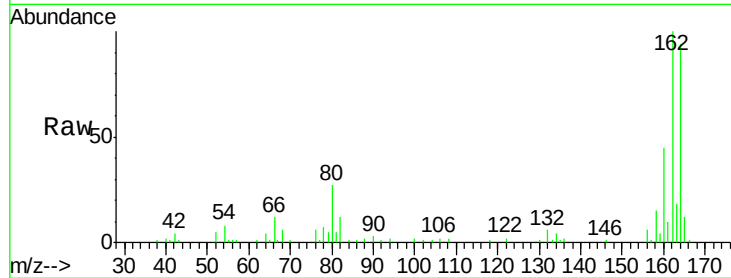
Tot Ion:164 Resp: 60165

Ion Ratio Lower Upper

164 100

162 106.4 83.7 125.5

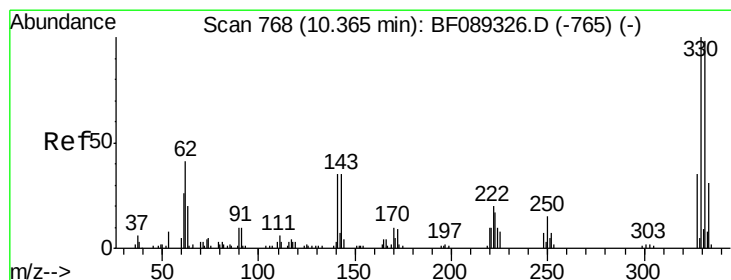
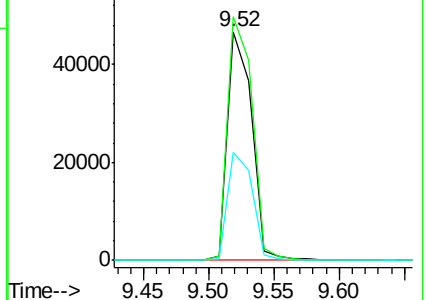
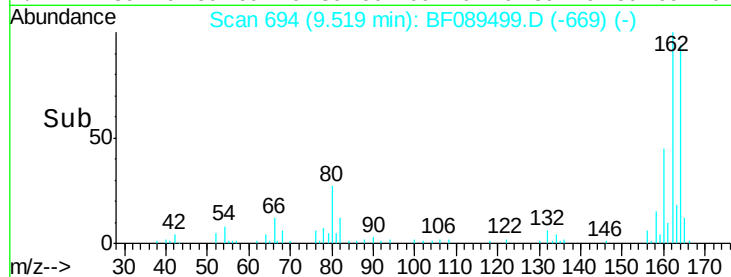
160 47.4 37.8 56.6



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: 151.08 ng

RT: 10.32 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF089499.D

Acq: 1 Aug 2016 7:00

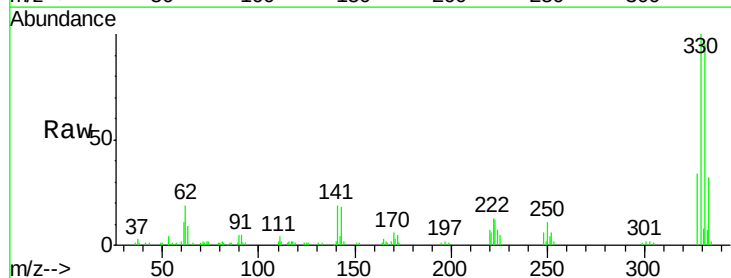
Tgt Ion:330 Resp: 75283

Ion Ratio Lower Upper

330 100

332 95.3 76.8 115.2

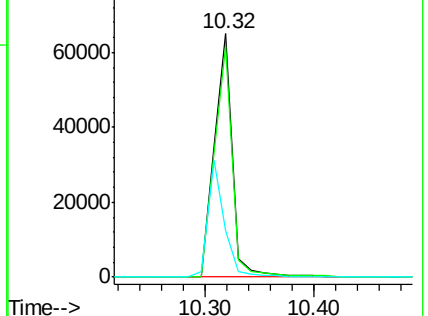
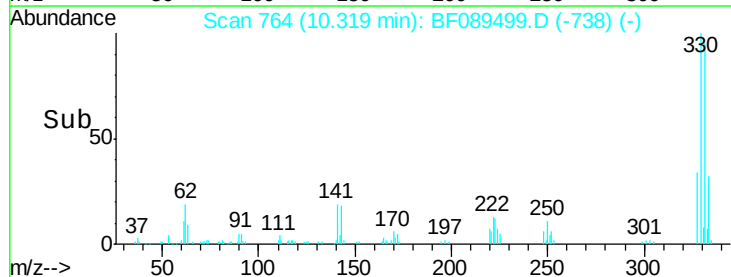
141 43.8 37.3 55.9

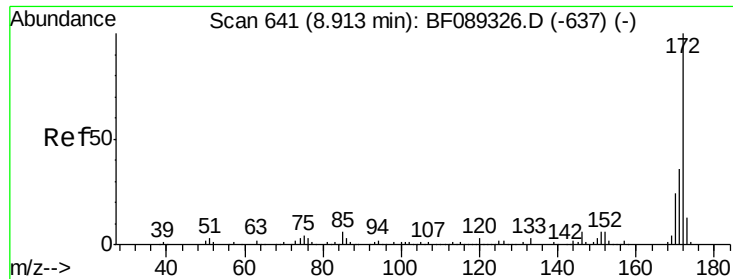


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

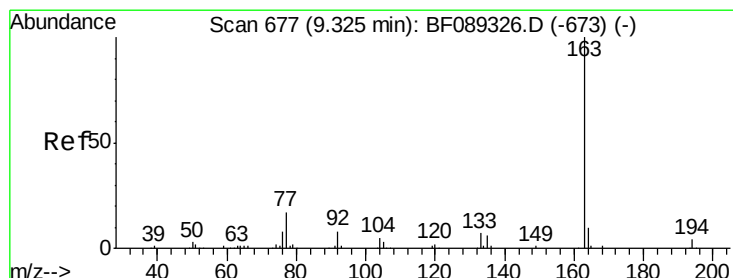
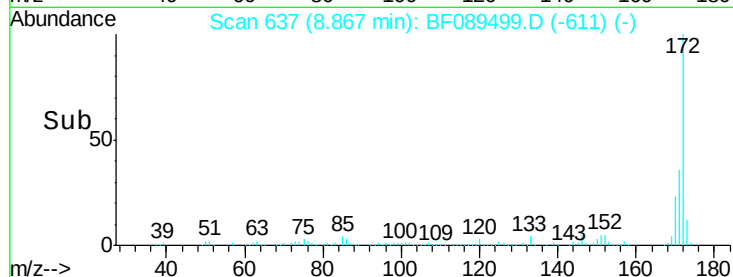
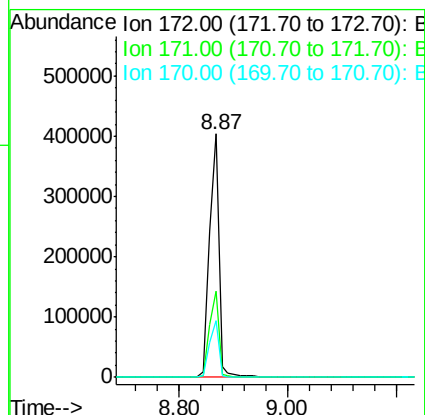
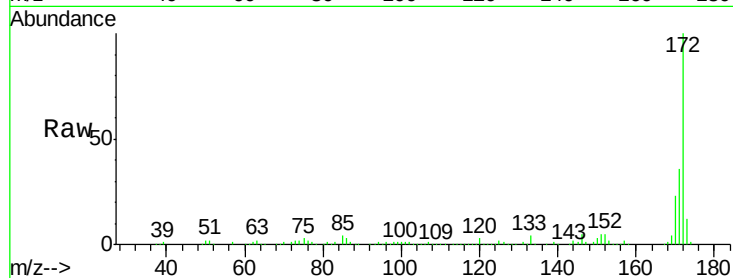




#44  
2-Fluorobiphenyl  
Concen: 117.43 ng  
RT: 8.87 min Scan# 637  
Delta R.T. 0.00 min  
Lab File: BF089499.D  
Acq: 1 Aug 2016 7:00

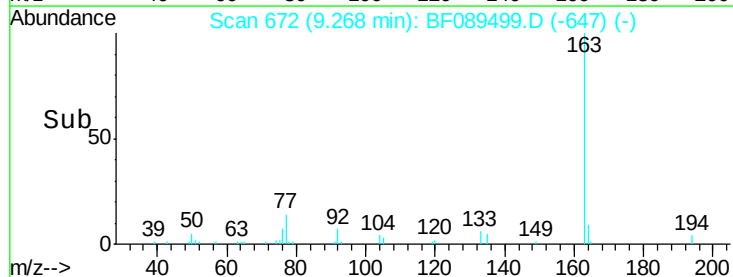
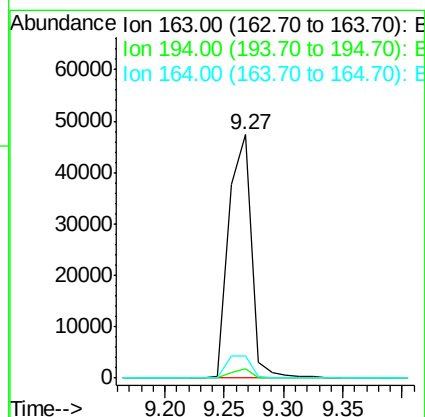
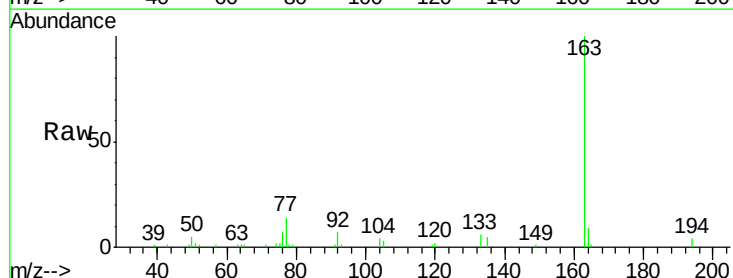
Instrument :  
BNA\_F  
ClientSampled :

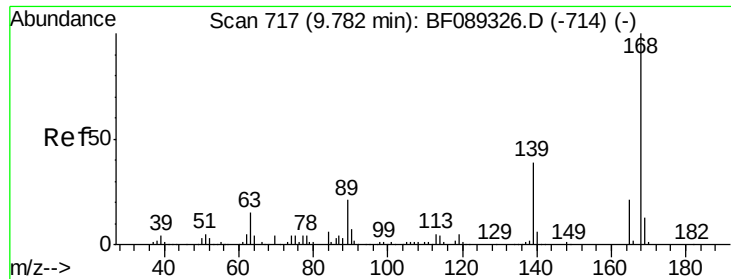
Tot Ion:172 Resp: 481406  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.2 43.8  
170 23.4 19.2 28.8



#49  
Dimethylphthalate  
Concen: 13.64 ng  
RT: 9.27 min Scan# 672  
Delta R.T. -0.01 min  
Lab File: BF089499.D  
Acq: 1 Aug 2016 7:00

Tgt Ion:163 Resp: 62474  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.8 4.2  
164 9.3 7.8 11.8

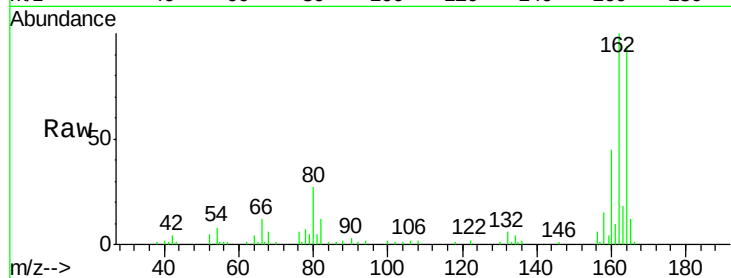




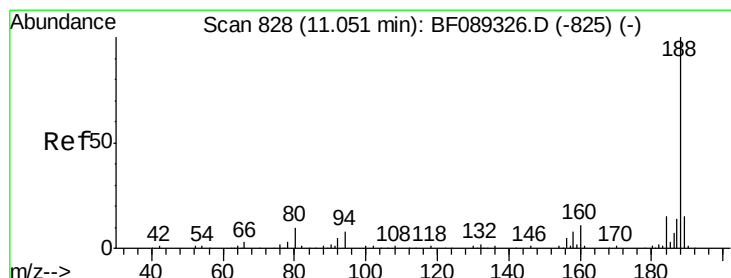
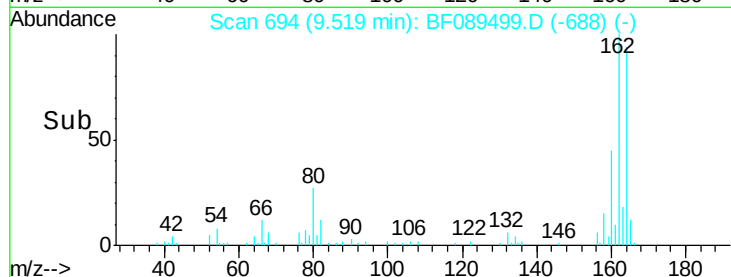
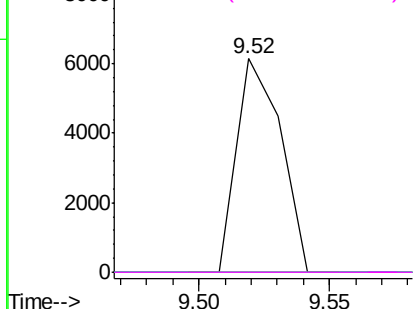
#56  
 2,4-Dinitrotoluene  
 Concen: 5.89 ng  
 RT: 9.52 min Scan# 694  
 Delta R.T. -0.23 min  
 Lab File: BF089499.D  
 Acq: 1 Aug 2016 7:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 7290  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 58.2 87.2#  
 89 0.0 79.1 118.7#  
 182 0.0 1.8 2.8#

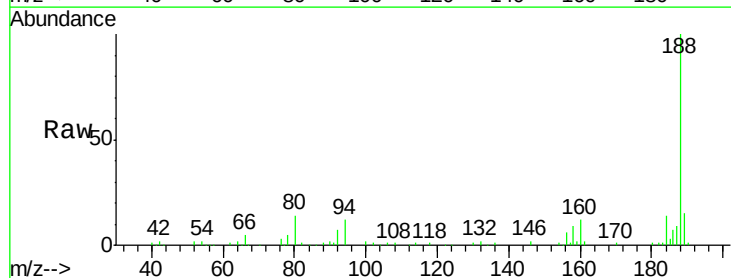


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

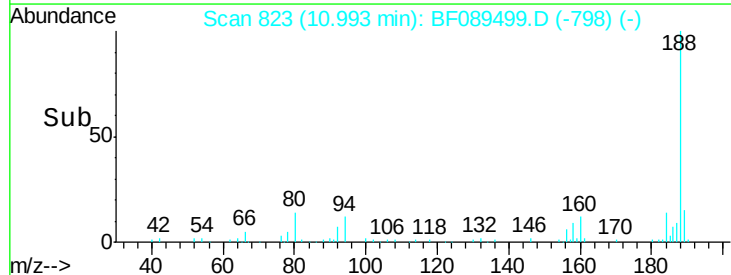
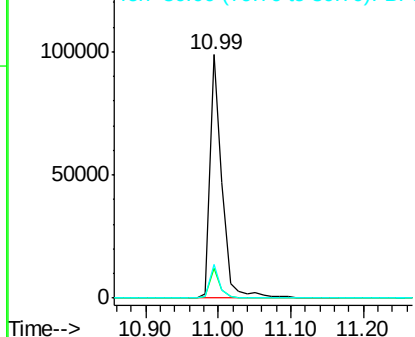


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.99 min Scan# 823  
 Delta R.T. -0.01 min  
 Lab File: BF089499.D  
 Acq: 1 Aug 2016 7:00

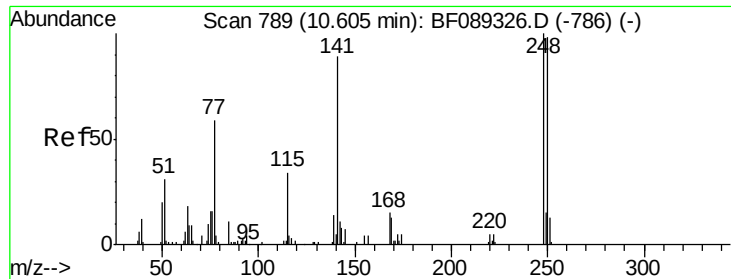
Tgt Ion:188 Resp: 112659  
 Ion Ratio Lower Upper  
 188 100  
 94 12.2 6.5 9.7#  
 80 14.1 7.2 10.8#



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







#66

4-Bromophenyl-phenylether

Concen: 5.26 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.25 min

Lab File: BF089499.D

Acq: 1 Aug 2016 7:00

Instrument :

BNA\_F

ClientSampled :

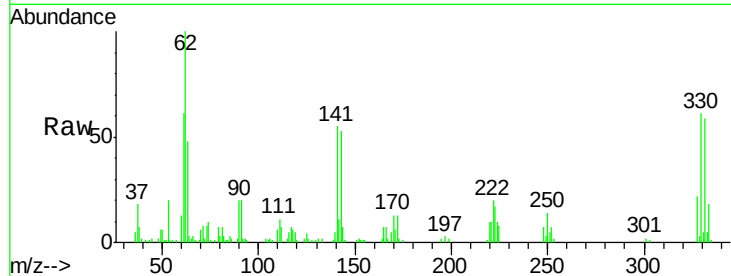
Tot Ion:248 Resp: 5657

Ion Ratio Lower Upper

248 100

250 184.0 78.2 117.2#

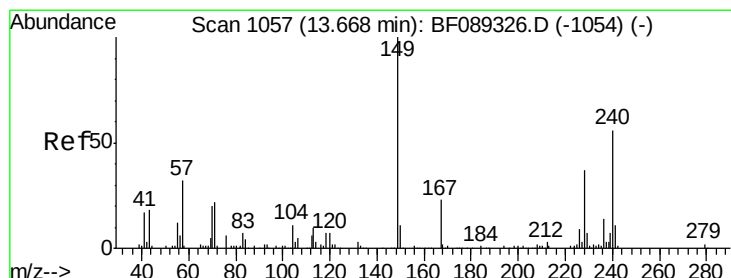
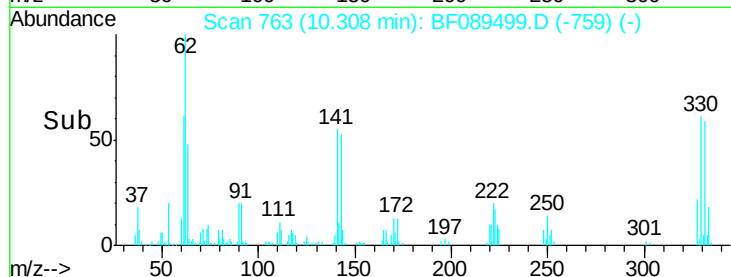
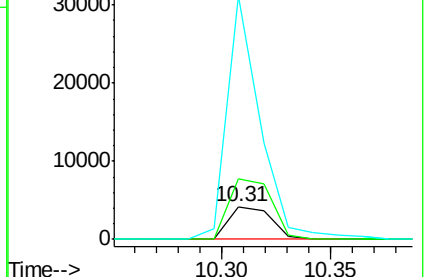
141 738.2 62.0 93.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BF089499.D

Acq: 1 Aug 2016 7:00

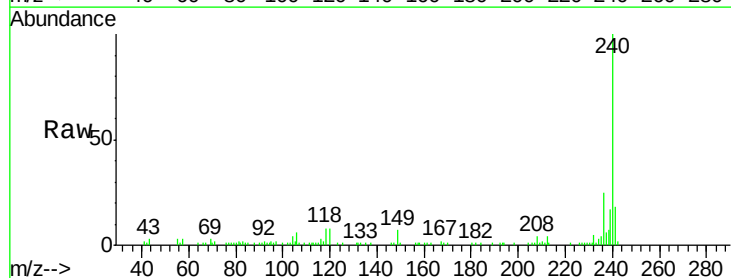
Tgt Ion:240 Resp: 90345

Ion Ratio Lower Upper

240 100

120 8.2 9.1 13.7#

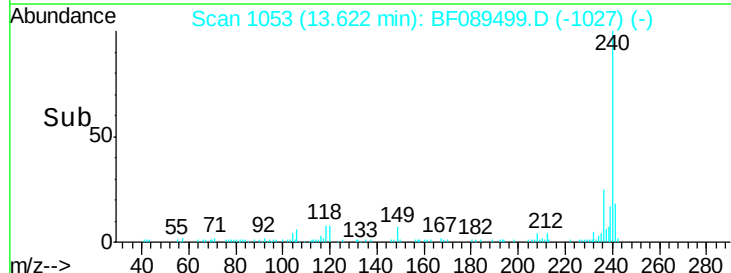
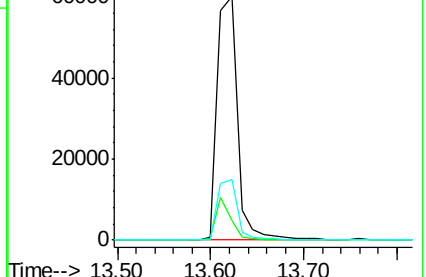
236 24.9 20.6 30.8

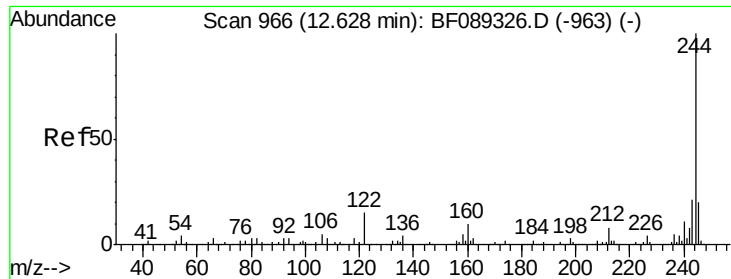


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

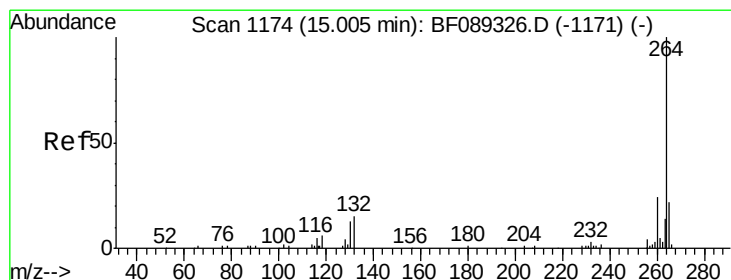
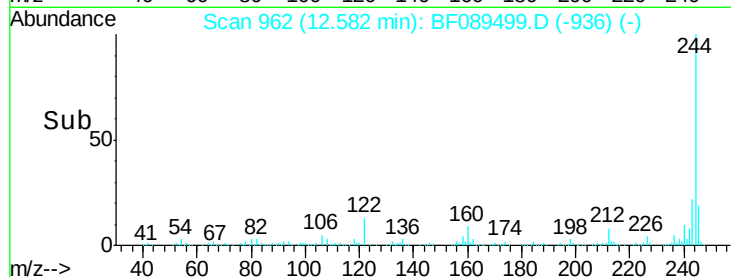
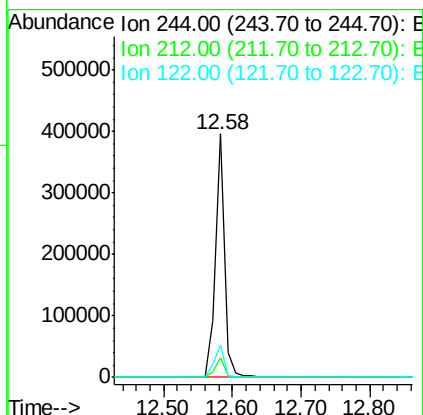
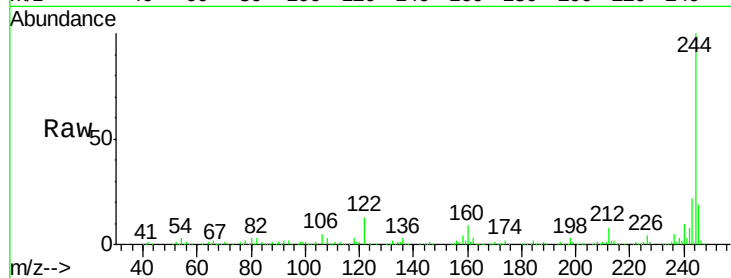




#78  
 Terphenyl-d14  
 Concen: 97.96 ng  
 RT: 12.58 min Scan# 962  
 Delta R.T. 0.00 min  
 Lab File: BF089499.D  
 Acq: 1 Aug 2016 7:00

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 378150  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.5 9.7  
 122 13.1 11.4 17.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.95 min Scan# 1169  
 Delta R.T. 0.00 min  
 Lab File: BF089499.D  
 Acq: 1 Aug 2016 7:00

Tgt Ion:264 Resp: 69956  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.0 28.4  
 265 22.0 17.5 26.3

