

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090216\  
 Data File : BF089987.D  
 Acq On : 2 Sep 2016 20:57  
 Operator : UM/SJ  
 Sample : H4675-17  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEMP-AB(0-2)-4

Quant Time: Sep 02 23:02:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 13:29:08 2016  
 Response via : Initial Calibration

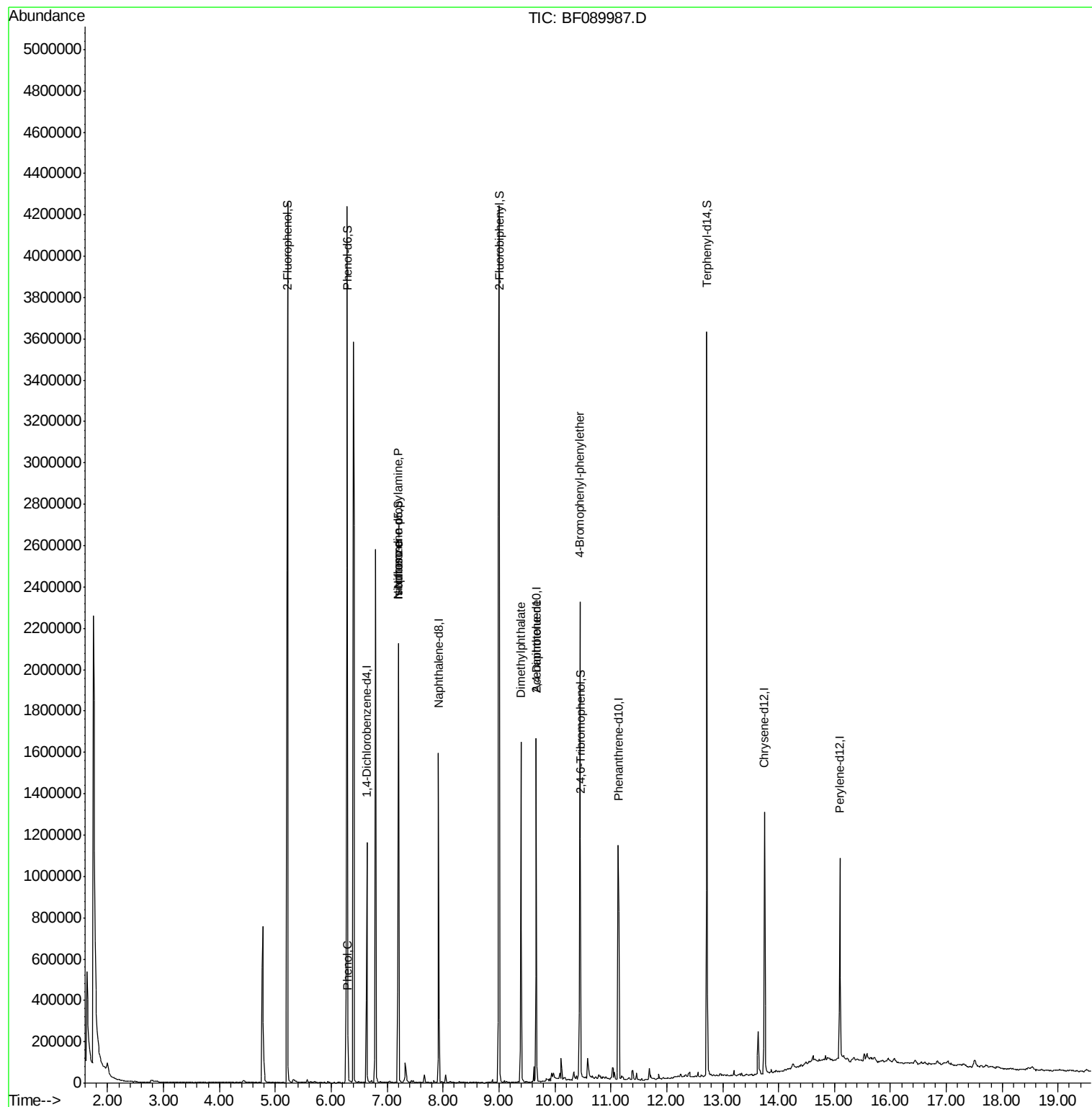
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.64  | 152  | 186103   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.92  | 136  | 690249   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.67  | 164  | 349209   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.13 | 188  | 564173   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.75 | 240  | 433274   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.10 | 264  | 421935   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.22  | 112  | 1395001  | 119.98 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.28  | 99   | 1682757  | 119.11 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.20  | 82   | 1031114  | 86.64  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.46 | 330  | 356244   | 103.40 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.00  | 172  | 1756552  | 82.57  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.72 | 244  | 1157360  | 65.99  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.30  | 94   | 54846    | 3.34   | ng    | # 56     |
| 19) n-Nitroso-di-n-propylamine | 7.20  | 70   | 137631   | 14.95  | ng    | # 83     |
| 25) Isophorone                 | 7.20  | 82   | 928147   | 38.35  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.39  | 163  | 826597   | 32.75  | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.67  | 165  | 44168    | 6.20   | ng    | # 29     |
| 66) 4-Bromophenyl-phenylether  | 10.44 | 248  | 22214    | 3.91   | ng    | # 1      |

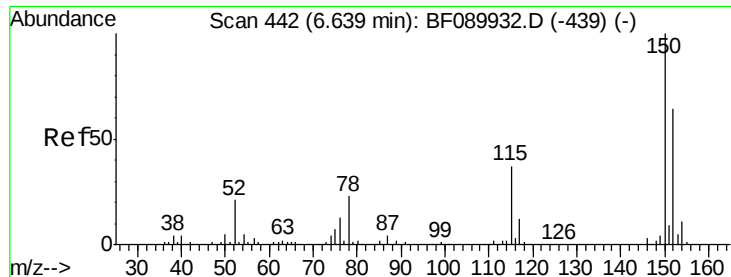
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089987.D

Acq: 2 Sep 2016 20:57

Instrument :

BNA\_F

ClientSampleId :

TEMP-AB(0-2)-4

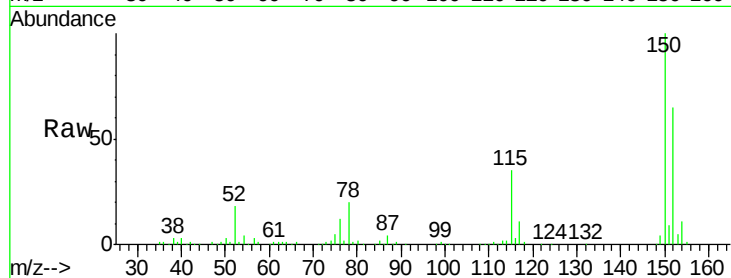
Tgt Ion:152 Resp: 186103

Ion Ratio Lower Upper

152 100

150 154.3 127.4 191.2

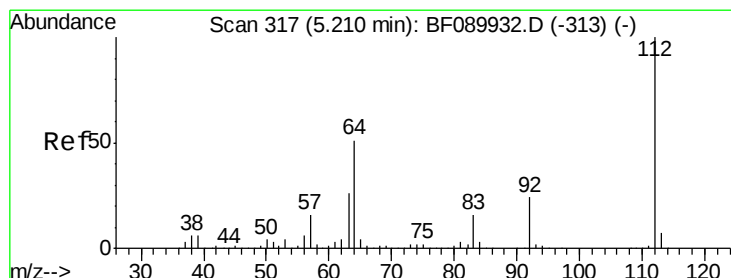
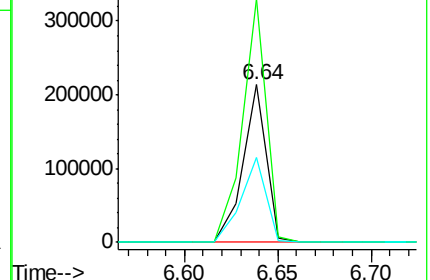
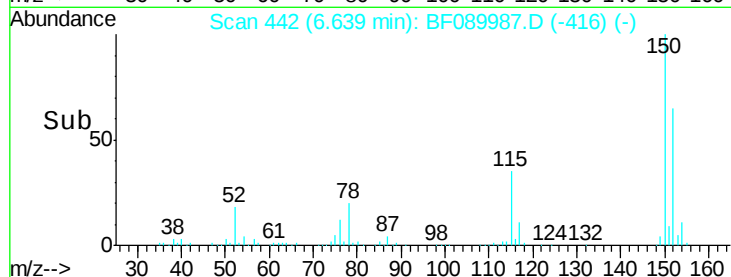
115 54.0 46.3 69.5



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: 119.98 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089987.D

Acq: 2 Sep 2016 20:57

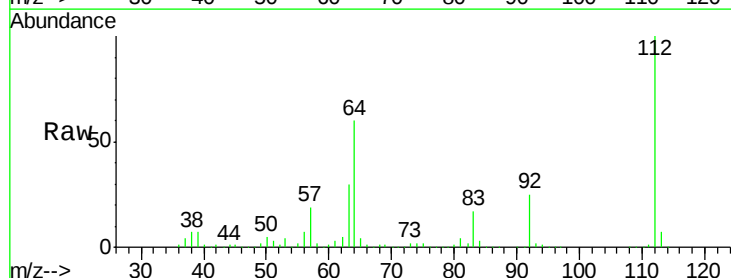
Tgt Ion:112 Resp: 1395001

Ion Ratio Lower Upper

112 100

64 59.7 41.1 61.7

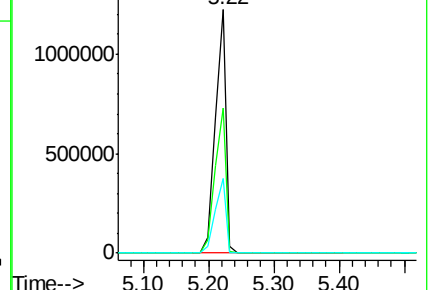
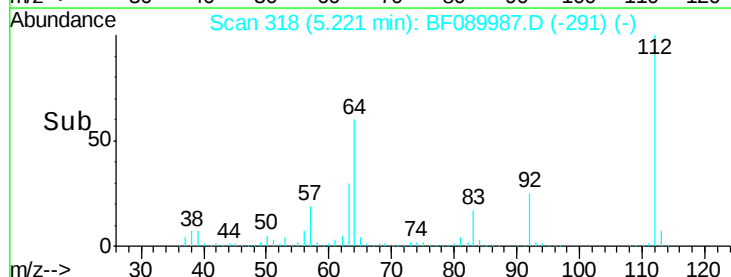
63 30.4 21.2 31.8



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: 119.11 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF089987.D

Acq: 2 Sep 2016 20:57

Instrument :

BNA\_F

ClientSampleId :

TEMP-AB(0-2)-4

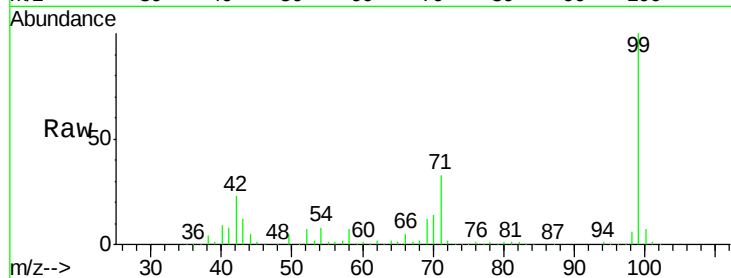
Tgt Ion: 99 Resp: 1682757

Ion Ratio Lower Upper

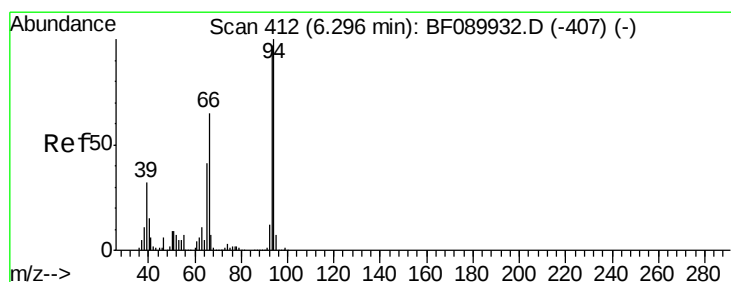
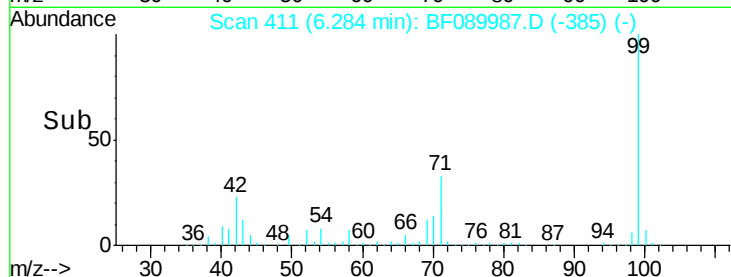
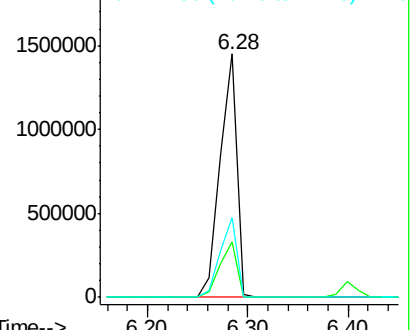
99 100

42 22.7 18.6 27.8

71 32.7 25.8 38.6



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



#10

Phenol

Concen: 3.34 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF089987.D

Acq: 2 Sep 2016 20:57

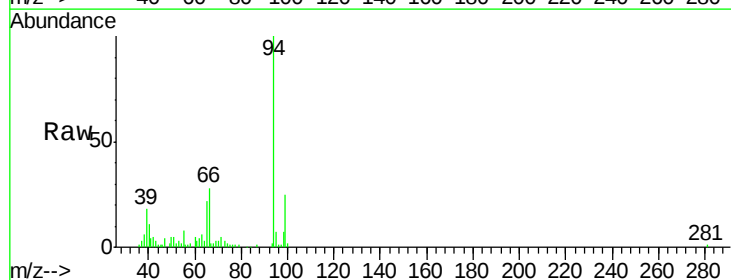
Tgt Ion: 94 Resp: 54846

Ion Ratio Lower Upper

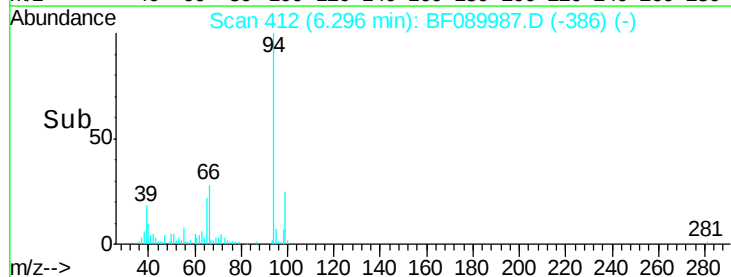
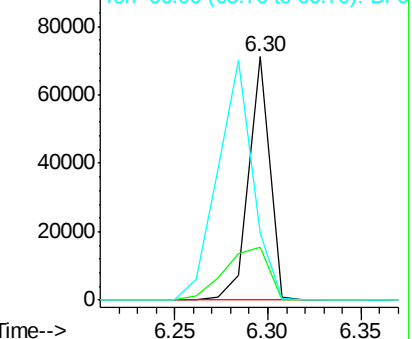
94 100

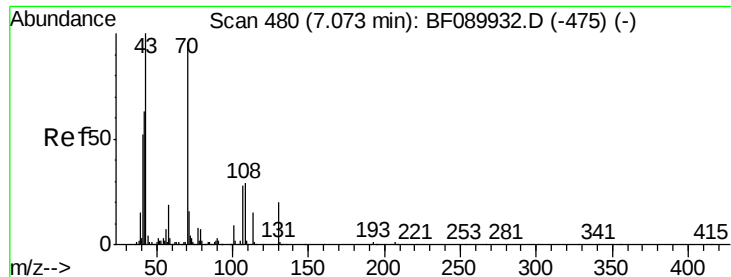
65 21.5 23.2 63.2#

66 27.7 49.2 89.2#



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0

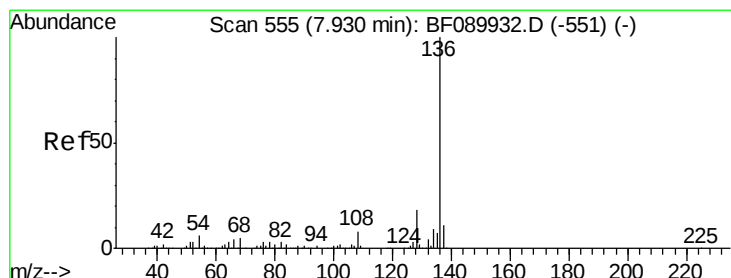
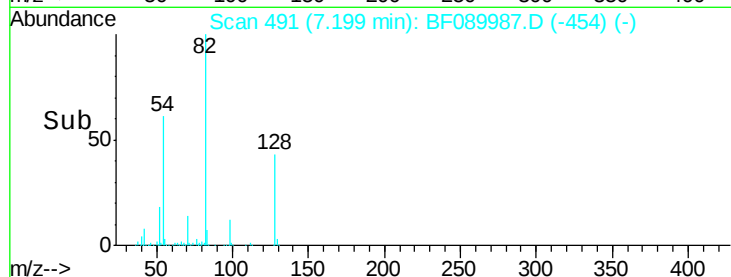
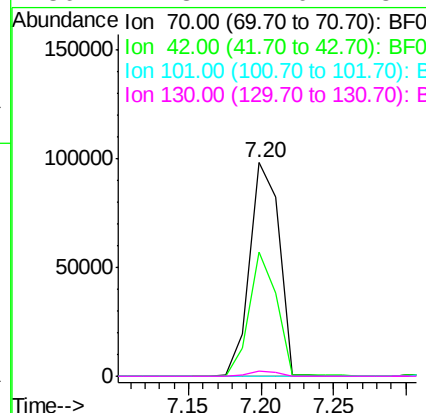
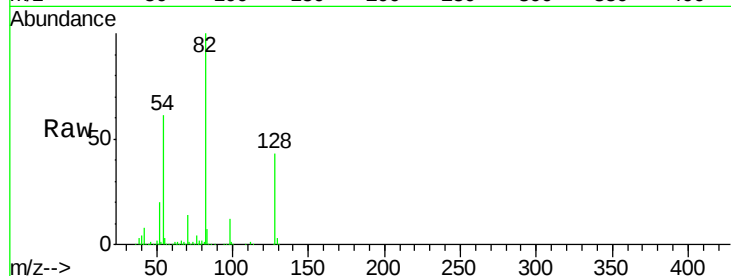




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.95 ng  
RT: 7.20 min Scan# 491  
Delta R.T. 0.13 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

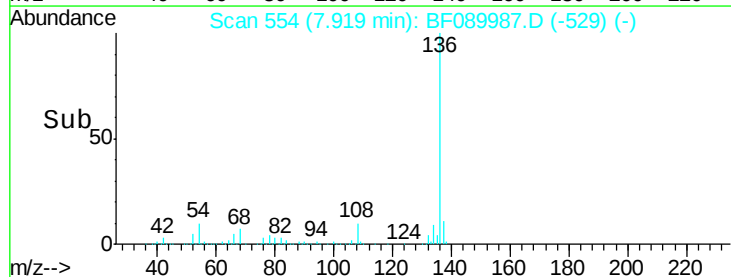
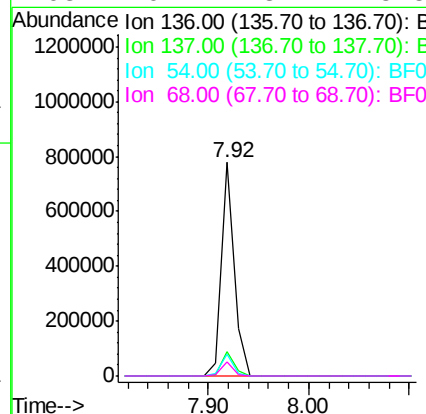
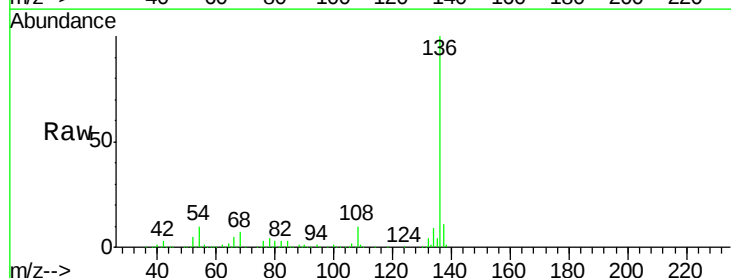
Instrument :  
BNA\_F  
ClientSampleId :  
TEMP-AB(0-2)-4

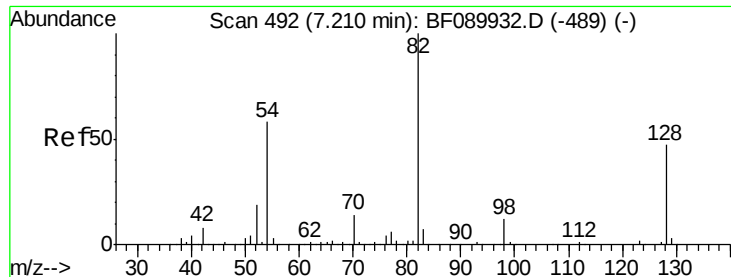
Tgt Ion: 70 Resp: 137631  
Ion Ratio Lower Upper  
70 100  
42 58.4 52.1 78.1  
101 0.0 7.4 11.2#  
130 2.3 17.0 25.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.92 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

Tgt Ion: 136 Resp: 690249  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.3 12.5  
54 10.4 4.8 7.2#  
68 6.7 3.7 5.5#

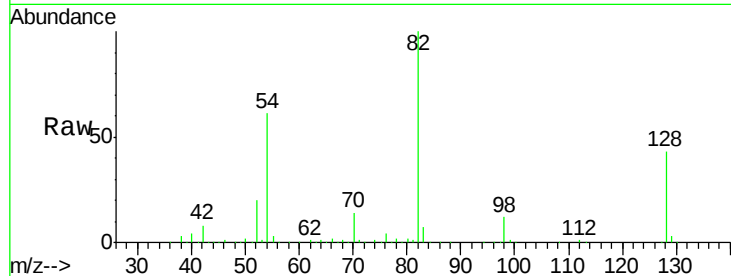




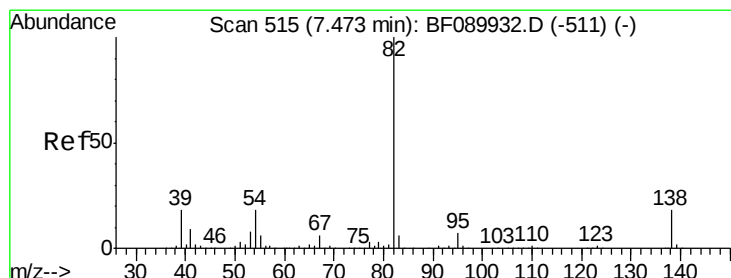
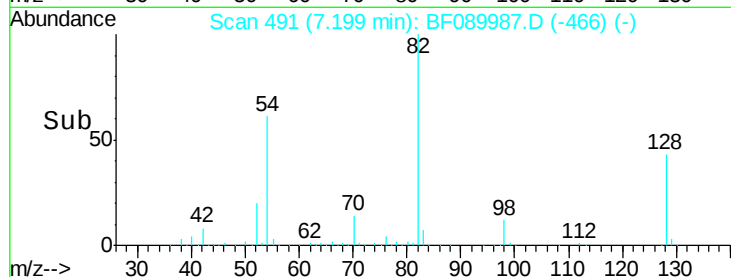
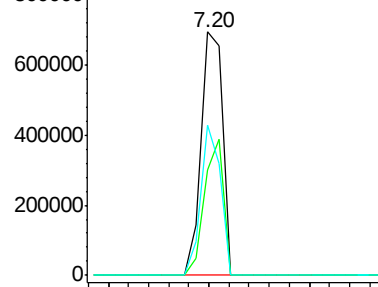
#23  
 Nitrobenzene-d5  
 Concen: 86.64 ng  
 RT: 7.20 min Scan# 491  
 Delta R.T. -0.01 min  
 Lab File: BF089987.D  
 Acq: 2 Sep 2016 20:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEMP-AB(0-2)-4

Tgt Ion: 82 Resp: 1031114  
 Ion Ratio Lower Upper  
 82 100  
 128 43.0 37.8 56.8  
 54 61.4 46.9 70.3

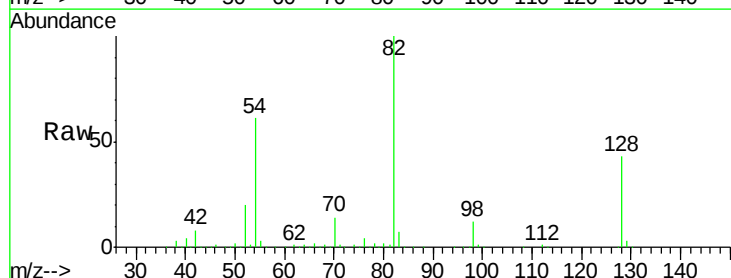


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

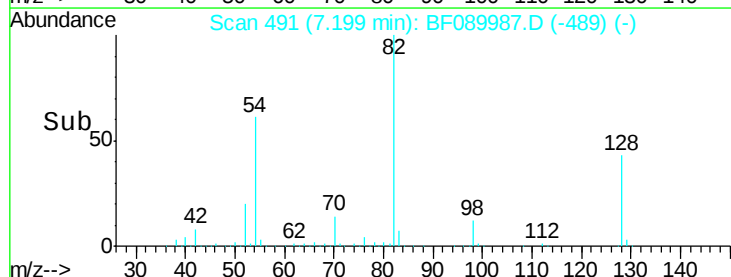
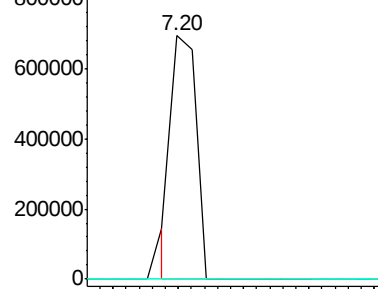


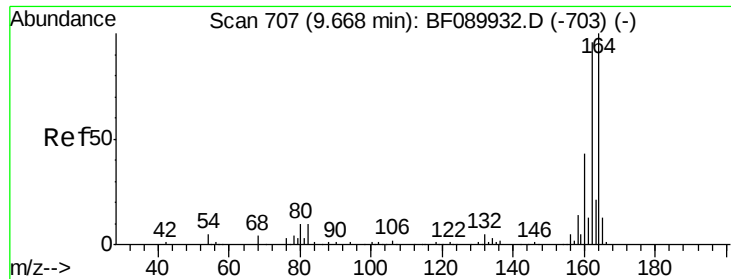
#25  
 Isophorone  
 Concen: 38.35 ng  
 RT: 7.20 min Scan# 491  
 Delta R.T. -0.27 min  
 Lab File: BF089987.D  
 Acq: 2 Sep 2016 20:57

Tgt Ion: 82 Resp: 928147  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.5 8.3#  
 138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0

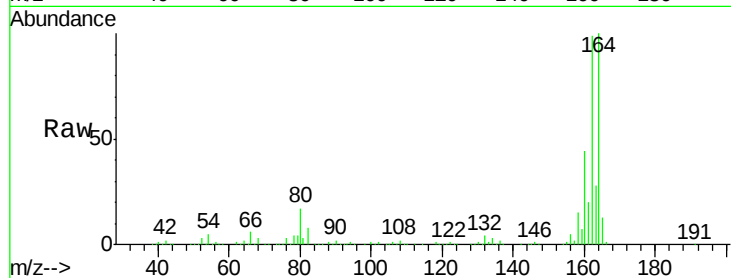




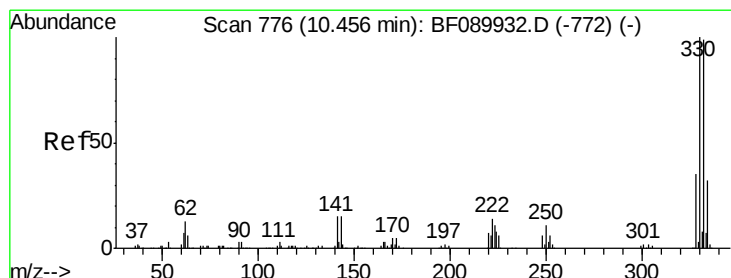
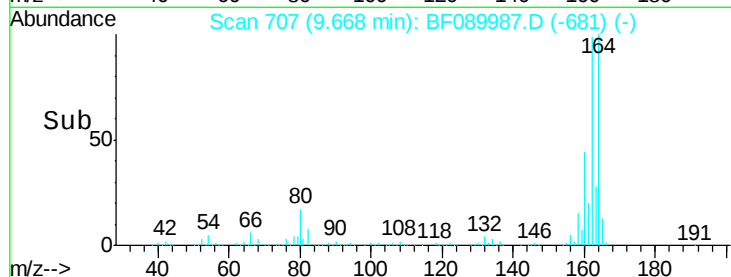
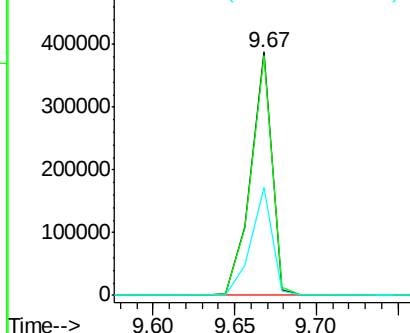
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.67 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

Instrument :  
BNA\_F  
ClientSampleId :  
TEMP-AB(0-2)-4

Tgt Ion:164 Resp: 349209  
Ion Ratio Lower Upper  
164 100  
162 98.5 77.1 115.7  
160 44.3 35.3 52.9

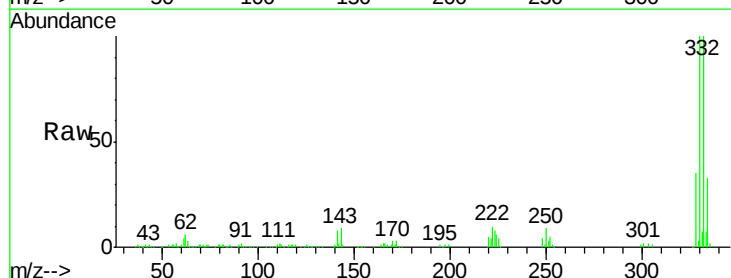


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

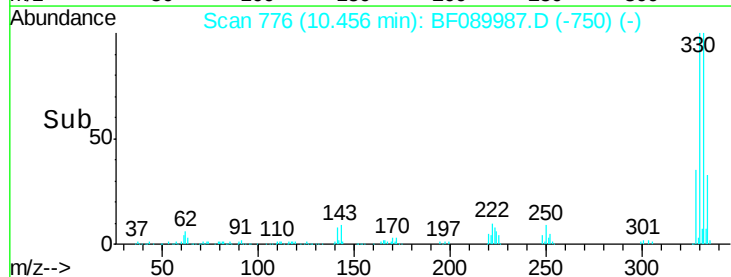
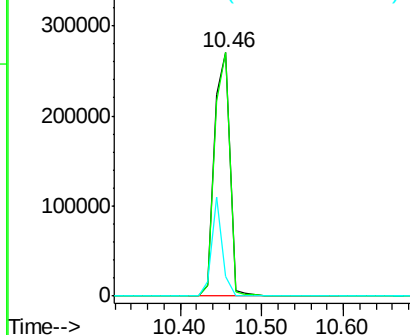


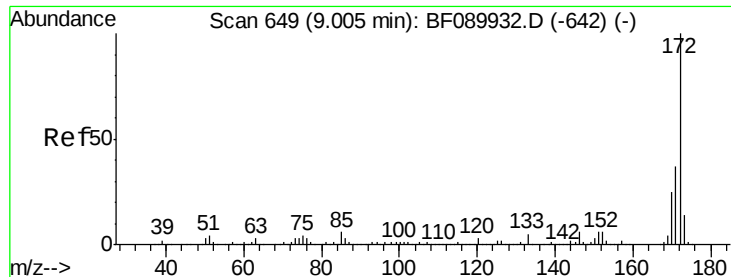
#41  
2,4,6-Tribromophenol  
Concen: 103.40 ng  
RT: 10.46 min Scan# 776  
Delta R.T. 0.00 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

Tgt Ion:330 Resp: 356244  
Ion Ratio Lower Upper  
330 100  
332 98.7 78.6 117.8  
141 29.3 23.3 34.9



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

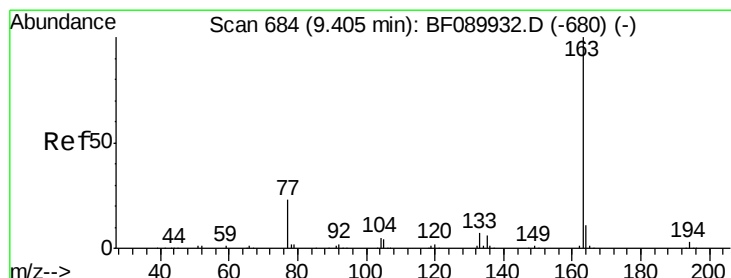
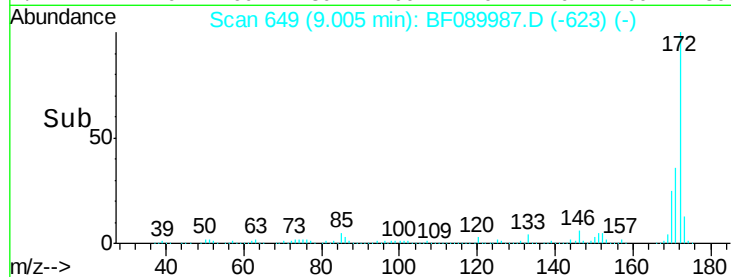
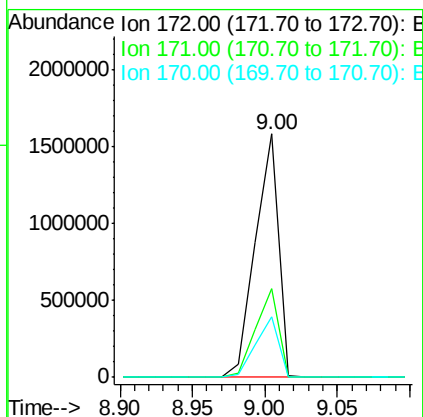
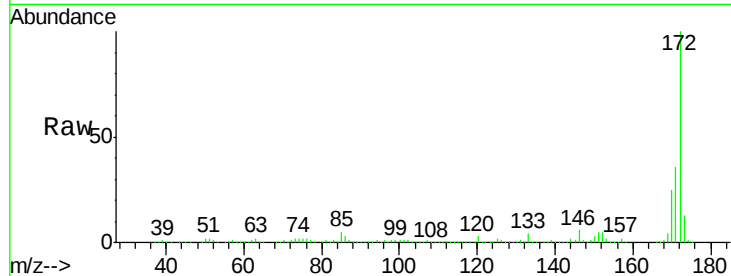




#44  
2-Fluorobiphenyl  
Concen: 82.57 ng  
RT: 9.00 min Scan# 649  
Delta R.T. 0.00 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

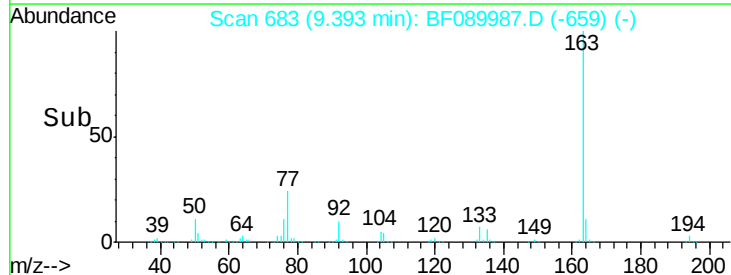
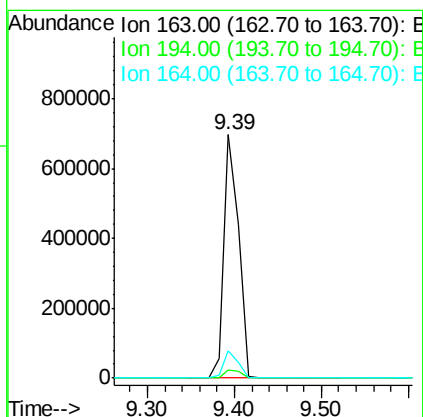
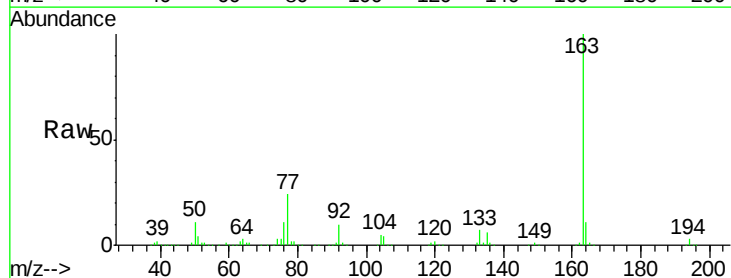
Instrument :  
BNA\_F  
ClientSampleId :  
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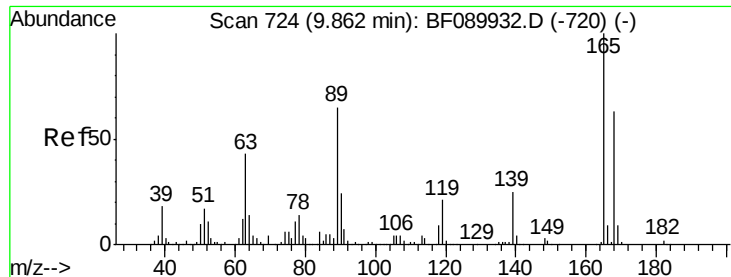
Tgt Ion:172 Resp: 1756552  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.4 44.2  
170 24.8 20.1 30.1



#49  
Dimethylphthalate  
Concen: 32.75 ng  
RT: 9.39 min Scan# 683  
Delta R.T. -0.02 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

Tgt Ion:163 Resp: 826597  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 11.3 9.0 13.4

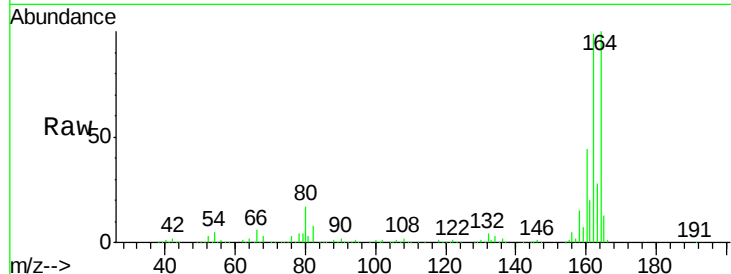




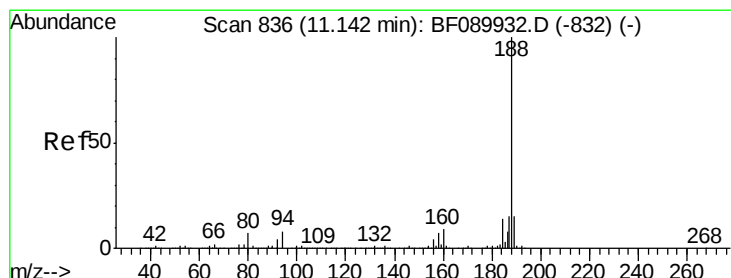
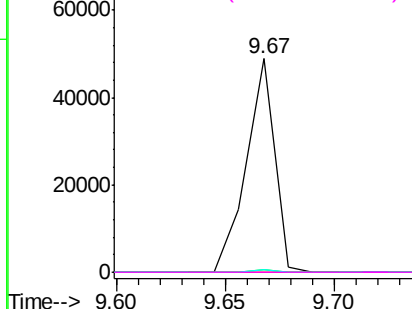
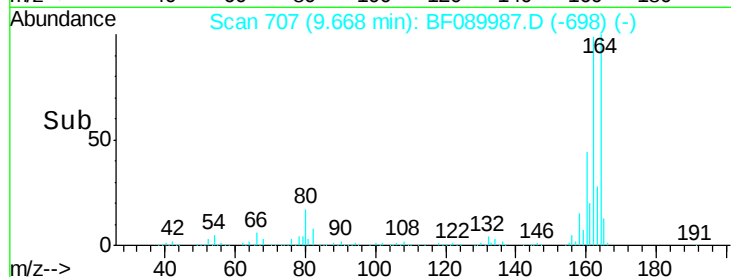
#56  
2,4-Dinitrotoluene  
Concen: 6.20 ng  
RT: 9.67 min Scan# 707  
Delta R.T. -0.19 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

Instrument :  
BNA\_F  
ClientSampleId :  
TEMP-AB(0-2)-4

Tgt Ion:165 Resp: 44168  
Ion Ratio Lower Upper  
165 100  
63 1.2 32.5 48.7#  
89 1.3 48.3 72.5#  
182 0.0 1.7 2.5#

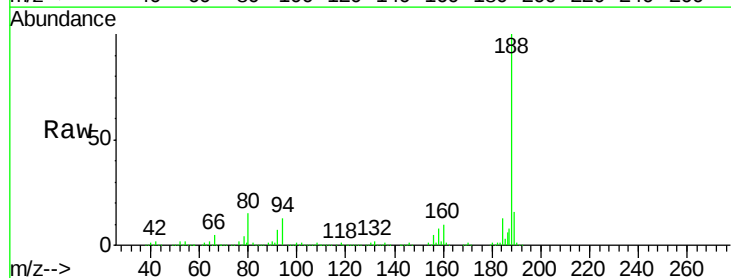


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

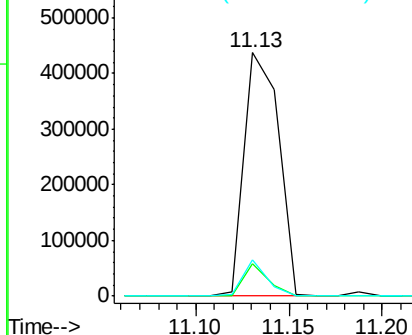
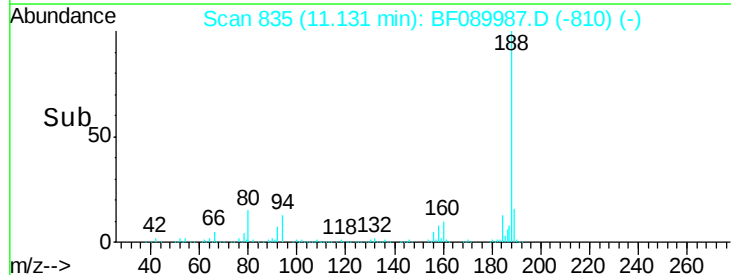


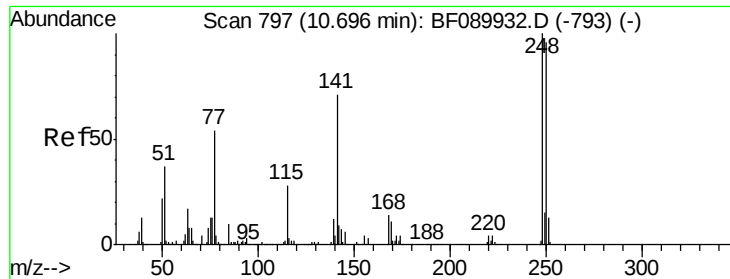
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.13 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BF089987.D  
Acq: 2 Sep 2016 20:57

Tgt Ion:188 Resp: 564173  
Ion Ratio Lower Upper  
188 100  
94 13.4 5.9 8.9#  
80 14.7 5.8 8.8#



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

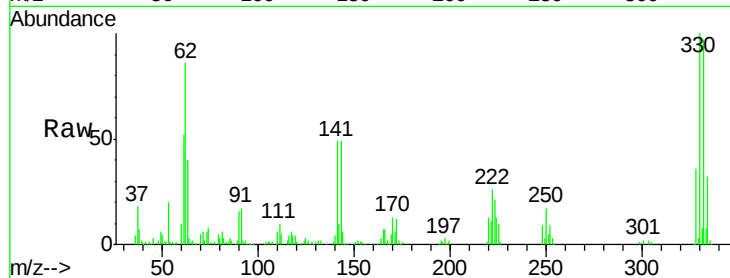




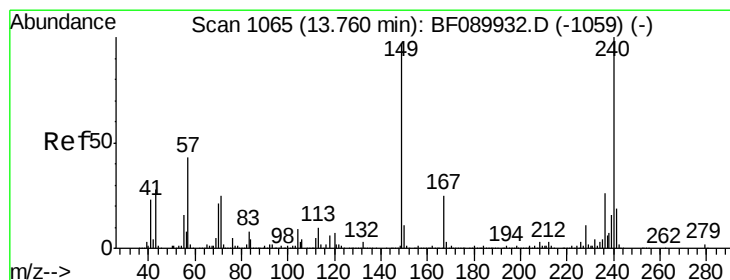
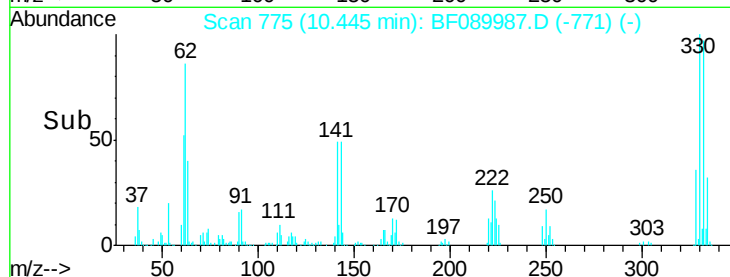
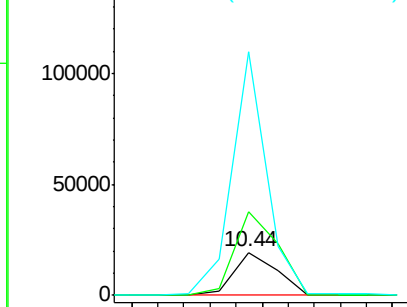
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.91 ng  
 RT: 10.44 min Scan# 775  
 Delta R.T. -0.25 min  
 Lab File: BF089987.D  
 Acq: 2 Sep 2016 20:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEMP-AB(0-2)-4

Tgt Ion:248 Resp: 22214  
 Ion Ratio Lower Upper  
 248 100  
 250 194.8 77.3 115.9#  
 141 571.1 55.8 83.8#

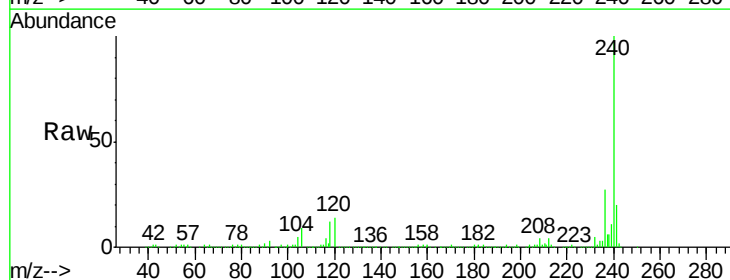


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

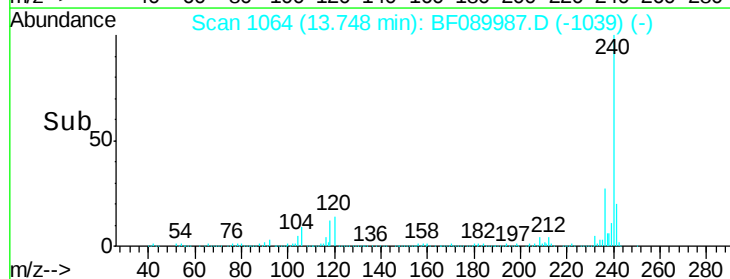
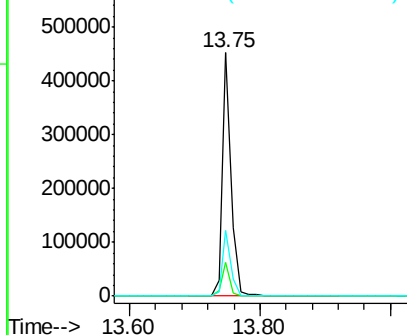


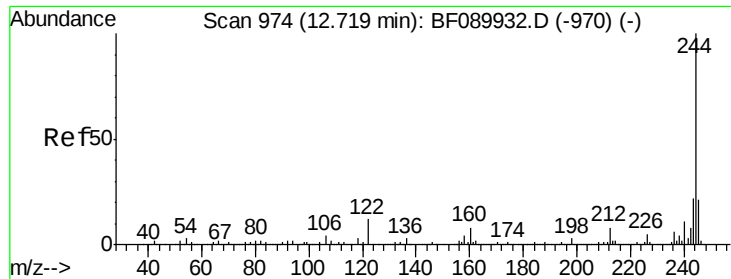
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.75 min Scan# 1064  
 Delta R.T. -0.01 min  
 Lab File: BF089987.D  
 Acq: 2 Sep 2016 20:57

Tgt Ion:240 Resp: 433274  
 Ion Ratio Lower Upper  
 240 100  
 120 14.0 5.7 8.5#  
 236 27.2 21.3 31.9



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

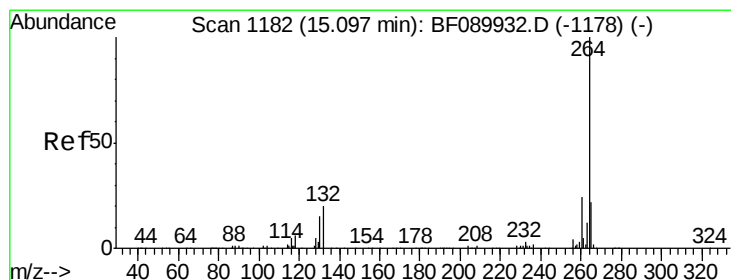
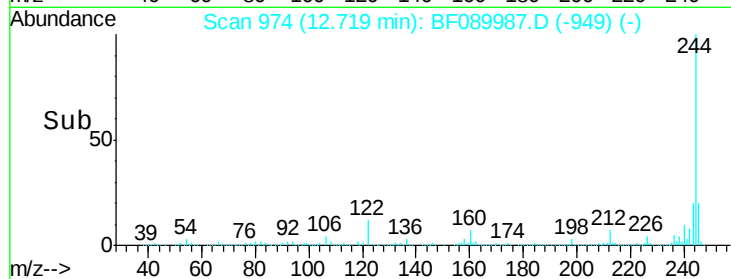
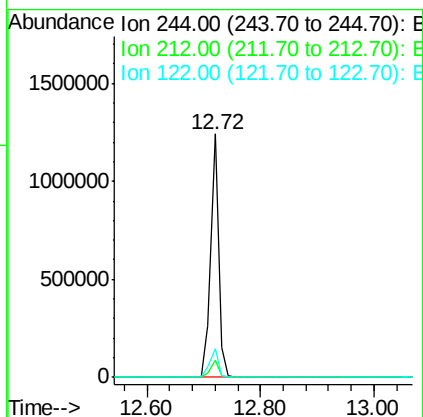
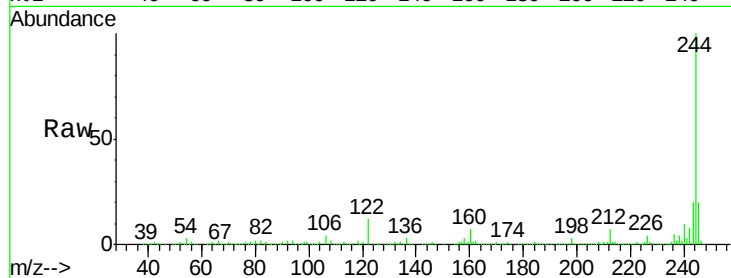




#78  
 Terphenyl-d14  
 Concen: 65.99 ng  
 RT: 12.72 min Scan# 974  
 Delta R.T. -0.01 min  
 Lab File: BF089987.D  
 Acq: 2 Sep 2016 20:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEMP-AB(0-2)-4

Tgt Ion:244 Resp: 1157360  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 11.9 9.6 14.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.10 min Scan# 1182  
 Delta R.T. 0.00 min  
 Lab File: BF089987.D  
 Acq: 2 Sep 2016 20:57

Tgt Ion:264 Resp: 421935  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.0  
 265 21.3 17.4 26.2

