

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF083116\  
 Data File : BF089947.D  
 Acq On : 31 Aug 2016 13:44  
 Operator : UM/SJ  
 Sample : H4617-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 415LSB2(4)

Quant Time: Aug 31 16:43:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 31 11:55:18 2016  
 Response via : Initial Calibration

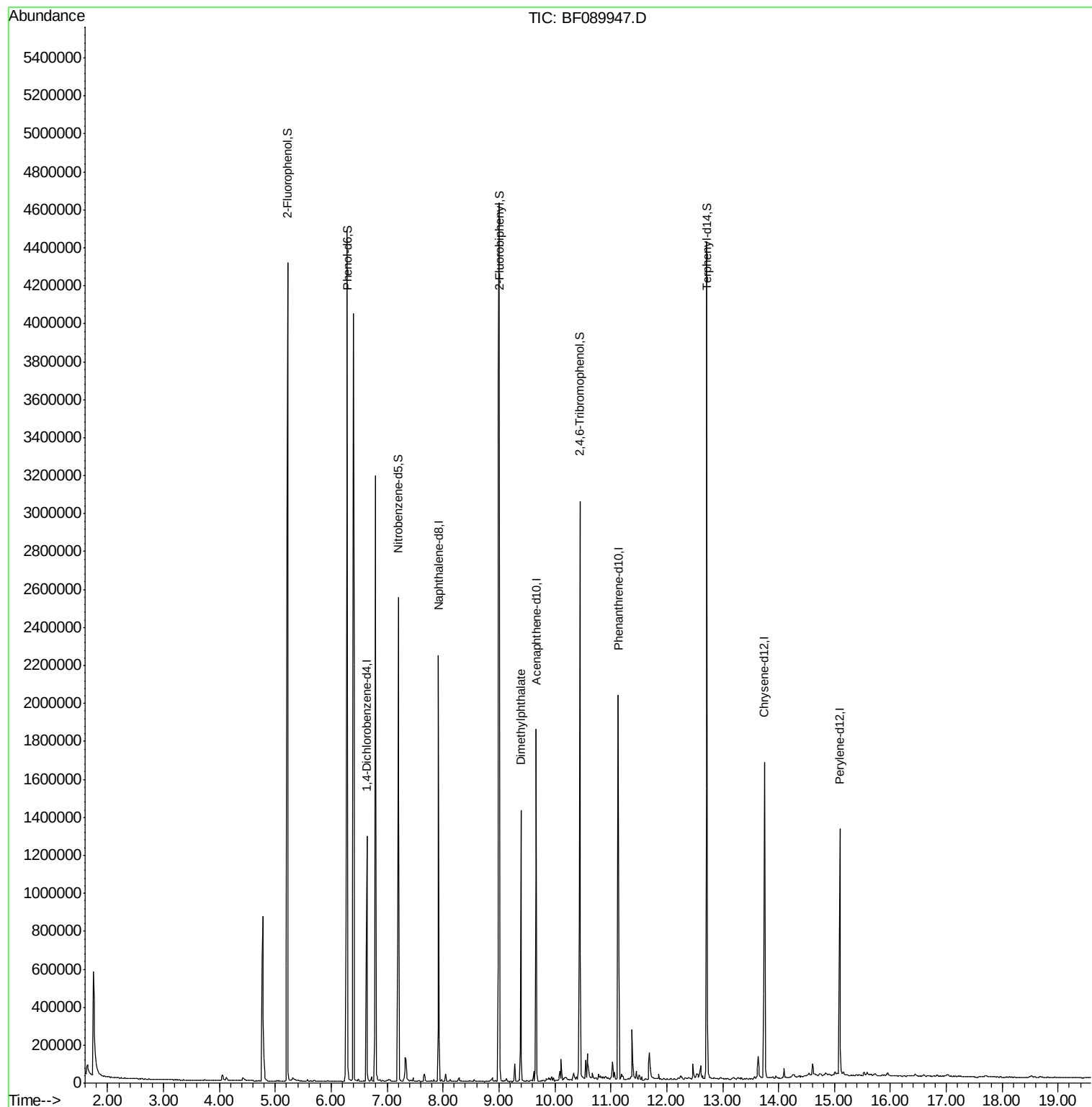
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.64  | 152  | 232875   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 7.92  | 136  | 924795   | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 9.67  | 164  | 466232   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 11.13 | 188  | 775013   | 20.00  | ng    | -0.01         |
| 75) Chrysene-d12            | 13.75 | 240  | 574042   | 20.00  | ng    | -0.01         |
| 86) Perylene-d12            | 15.10 | 264  | 551334   | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.22  | 112  | 1559791  | 107.21 | ng    | 0.01          |
| 7) Phenol-d6                | 6.28  | 99   | 1993347  | 112.76 | ng    | 0.01          |
| 23) Nitrobenzene-d5         | 7.20  | 82   | 1088690  | 68.27  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 10.44 | 330  | 399271   | 86.80  | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 9.00  | 172  | 2141570  | 75.40  | ng    | 0.00          |
| 78) Terphenyl-d14           | 12.72 | 244  | 1458501  | 62.76  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.39  | 163  | 520250   | 15.44  | ng    | Qvalue<br>100 |

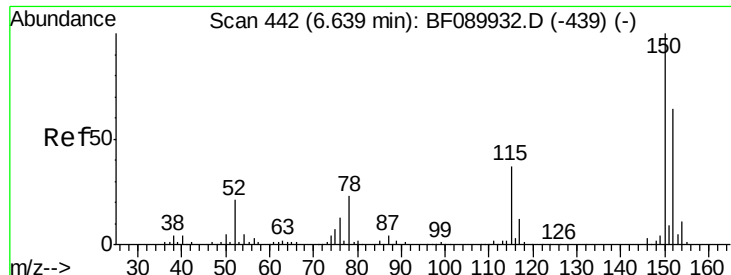
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089947.D

Acq: 31 Aug 2016 13:44

Instrument :

BNA\_F

ClientSampleId :

415LSB2(4)

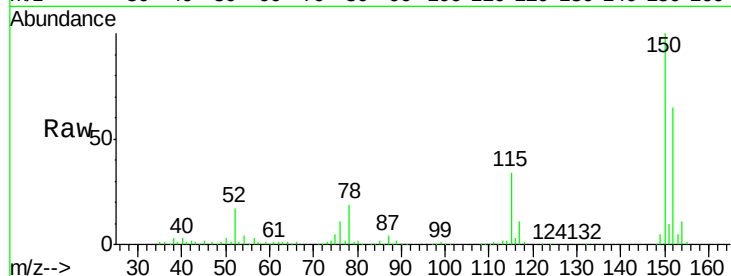
Tgt Ion:152 Resp: 232875

Ion Ratio Lower Upper

152 100

150 154.7 127.4 191.2

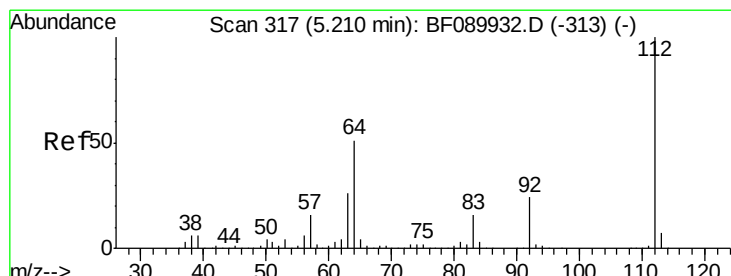
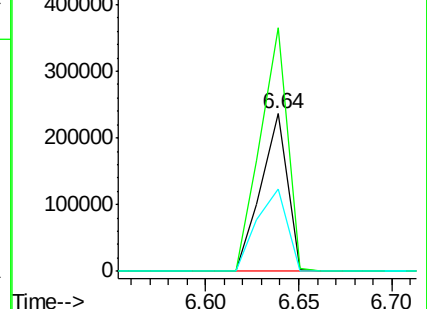
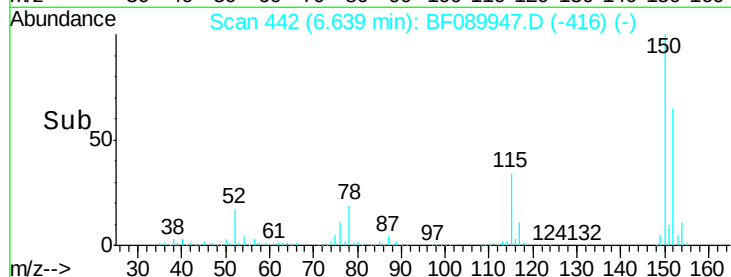
115 52.6 46.3 69.5



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: 107.21 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

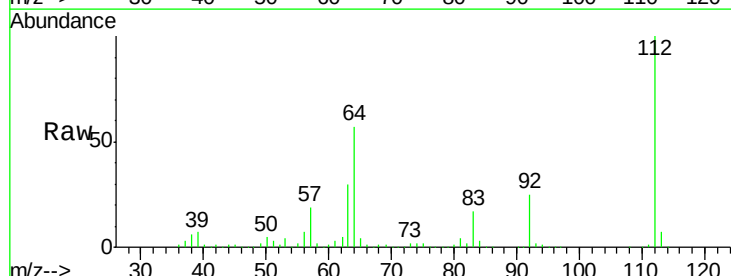
Tgt Ion:112 Resp: 1559791

Ion Ratio Lower Upper

112 100

64 56.7 41.1 61.7

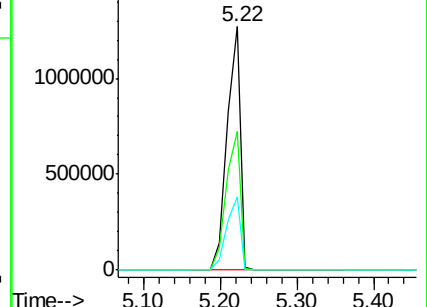
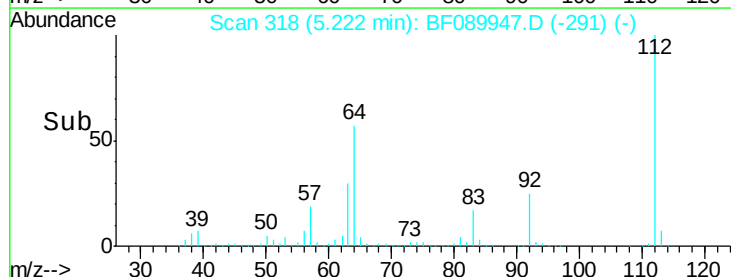
63 30.1 21.2 31.8

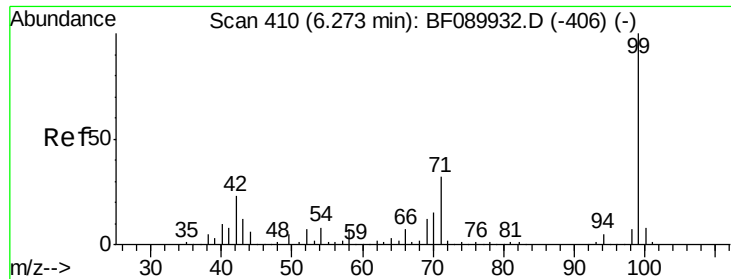


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.76 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

Instrument :

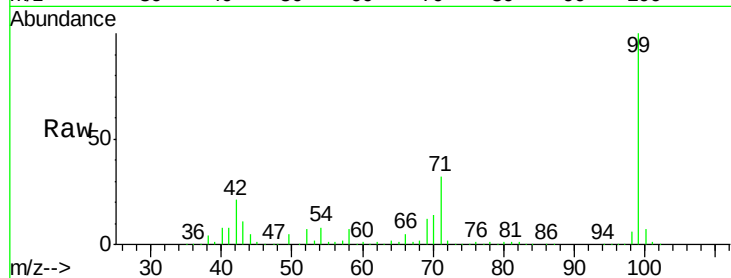
BNA\_F

ClientSampleId :

415LSB2(4)

Tgt Ion: 99 Resp: 1993347

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.1  | 18.6  | 27.8  |
| 71  | 31.7  | 25.8  | 38.6  |

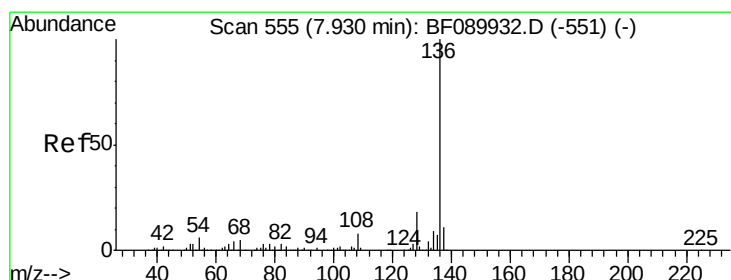
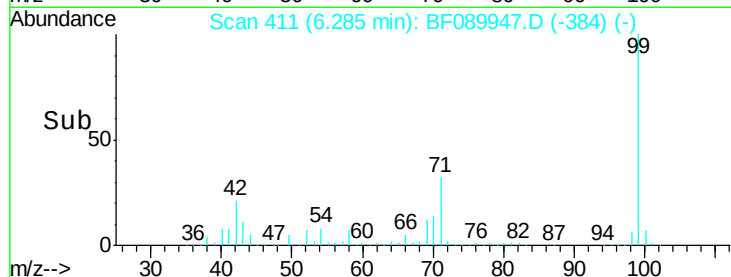
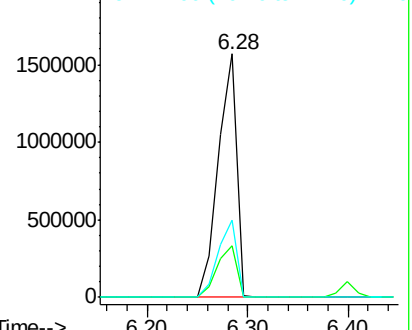


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

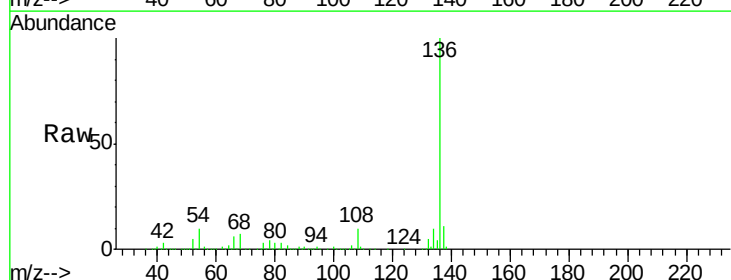
Delta R.T. -0.01 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

Tgt Ion: 136 Resp: 924795

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.3   | 12.5  |
| 54  | 9.9   | 4.8   | 7.2#  |
| 68  | 6.7   | 3.7   | 5.5#  |



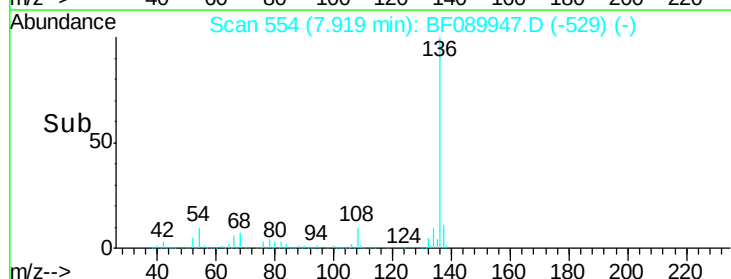
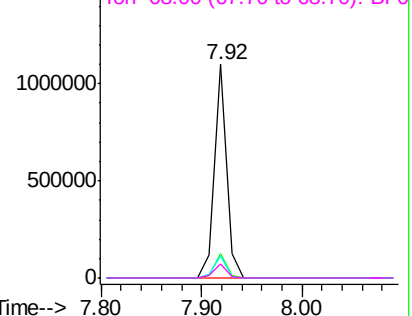
Abundance

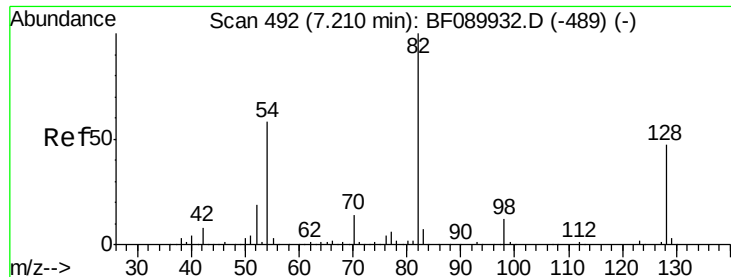
Ion 136.00 (135.70 to 136.70): E

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

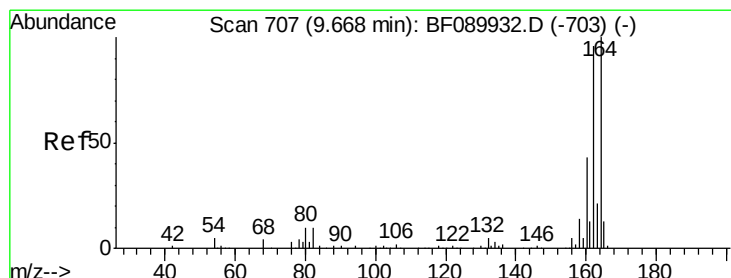
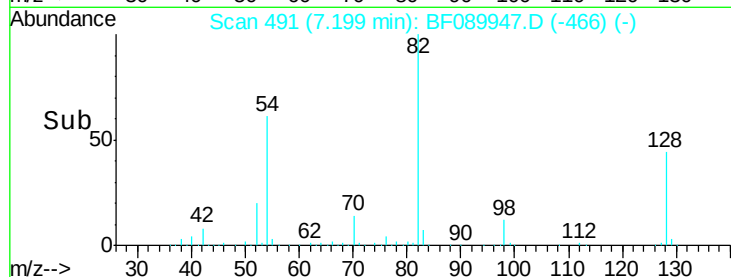
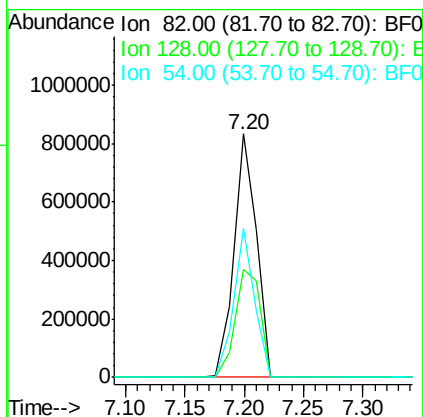
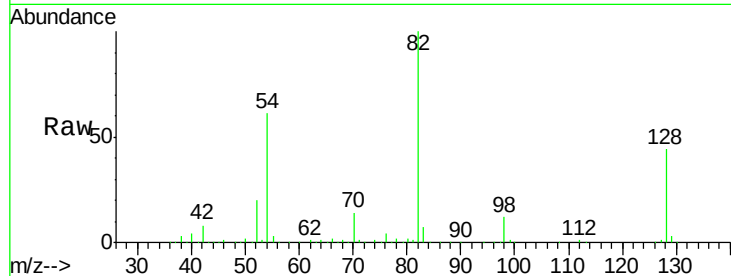




#23  
 Nitrobenzene-d5  
 Concen: 68.27 ng  
 RT: 7.20 min Scan# 491  
 Delta R.T. -0.01 min  
 Lab File: BF089947.D  
 Acq: 31 Aug 2016 13:44

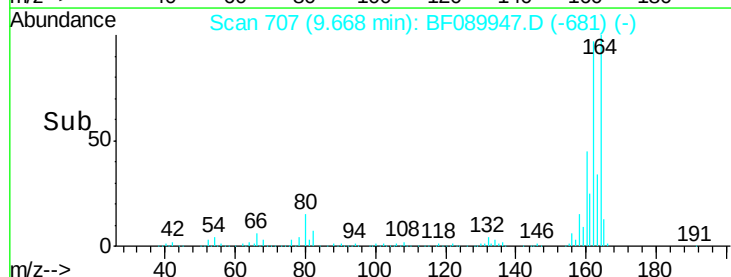
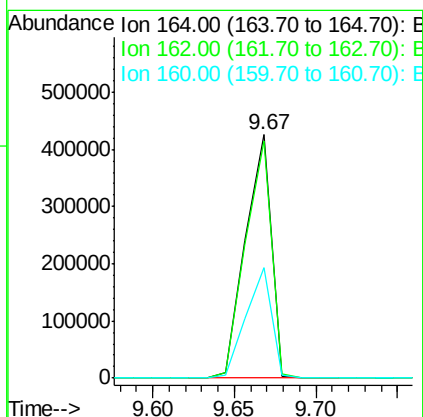
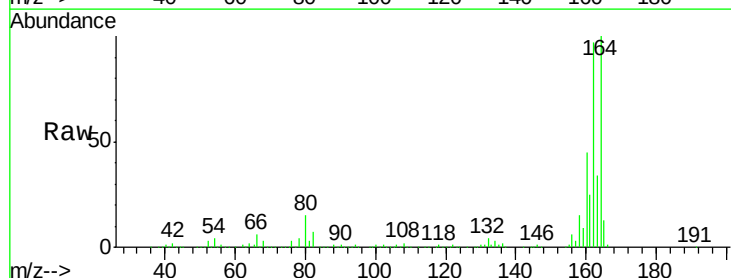
Instrument :  
 BNA\_F  
 ClientSampleId :  
 415LSB2(4)

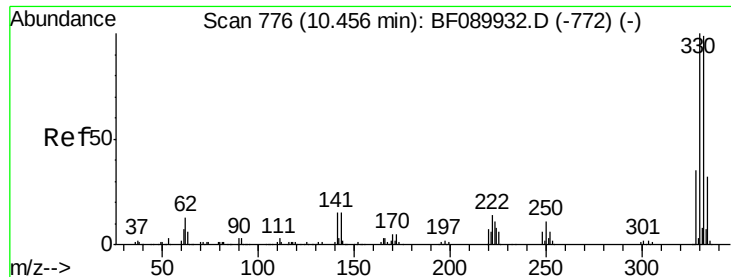
Tgt Ion: 82 Resp: 1088690  
 Ion Ratio Lower Upper  
 82 100  
 128 44.4 37.8 56.8  
 54 60.9 46.9 70.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.67 min Scan# 707  
 Delta R.T. 0.00 min  
 Lab File: BF089947.D  
 Acq: 31 Aug 2016 13:44

Tgt Ion: 164 Resp: 466232  
 Ion Ratio Lower Upper  
 164 100  
 162 97.4 77.1 115.7  
 160 45.2 35.3 52.9

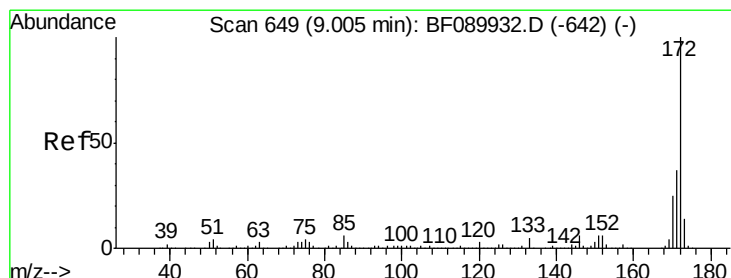
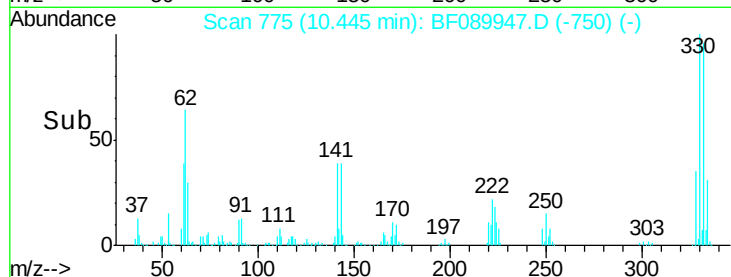
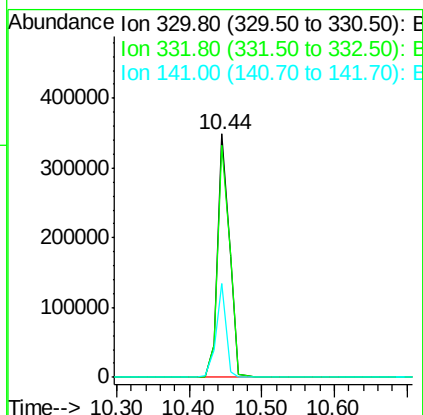
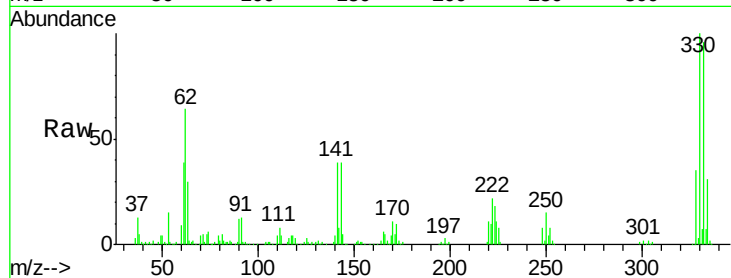




#41  
 2,4,6-Tribromophenol  
 Concen: 86.80 ng  
 RT: 10.44 min Scan# 775  
 Delta R.T. -0.01 min  
 Lab File: BF089947.D  
 Acq: 31 Aug 2016 13:44

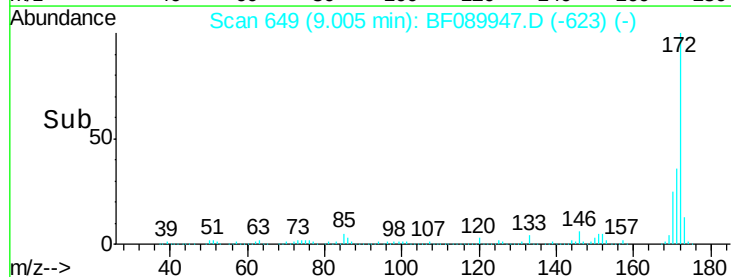
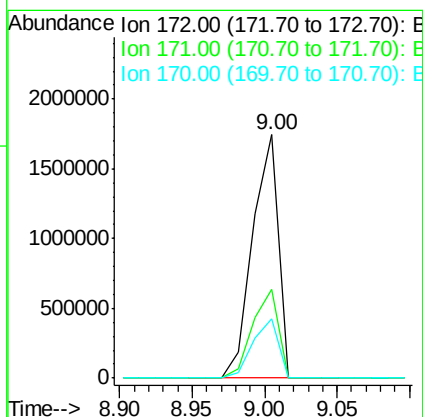
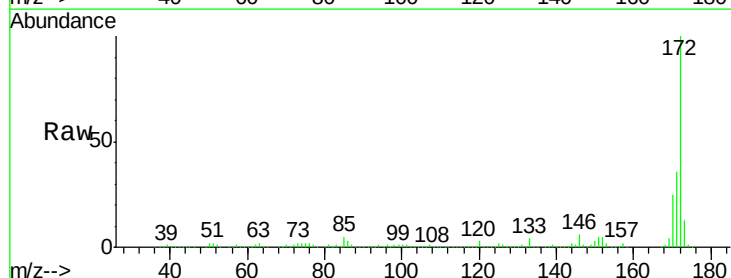
Instrument :  
 BNA\_F  
 ClientSampleId :  
 415LSB2(4)

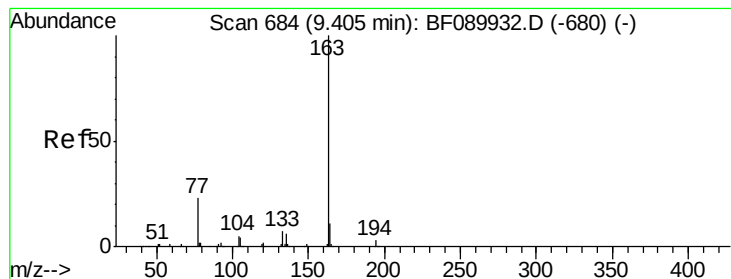
Tgt Ion:330 Resp: 399271  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 78.6 117.8  
 141 32.1 23.3 34.9



#44  
 2-Fluorobiphenyl  
 Concen: 75.40 ng  
 RT: 9.00 min Scan# 649  
 Delta R.T. 0.00 min  
 Lab File: BF089947.D  
 Acq: 31 Aug 2016 13:44

Tgt Ion:172 Resp: 2141570  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.4 44.2  
 170 24.6 20.1 30.1





#49

Dimethylphthalate

Concen: 15.44 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

Instrument :

BNA\_F

ClientSampleId :

415LSB2(4)

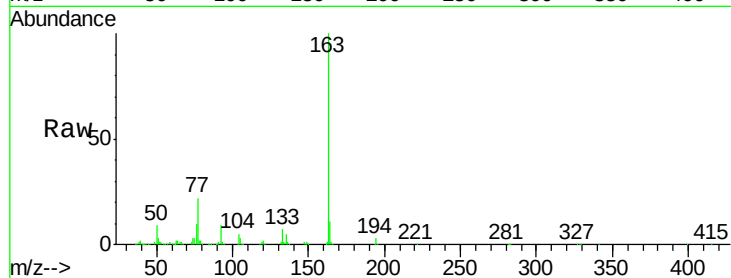
Tgt Ion:163 Resp: 520250

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

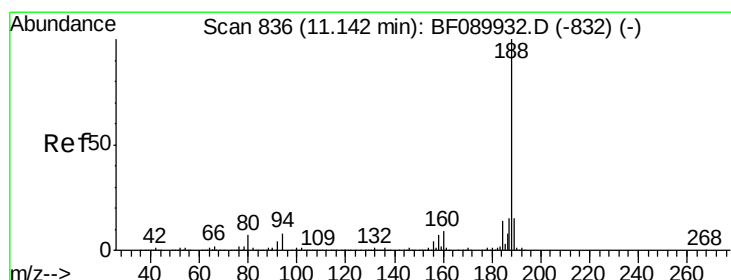
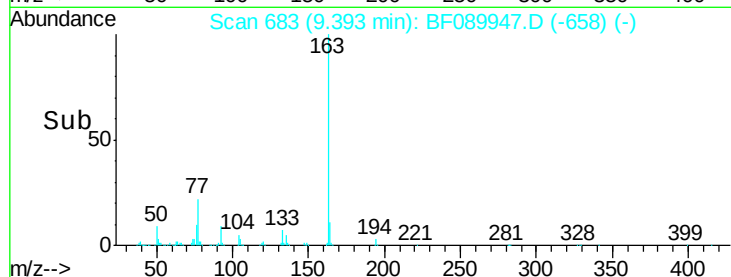
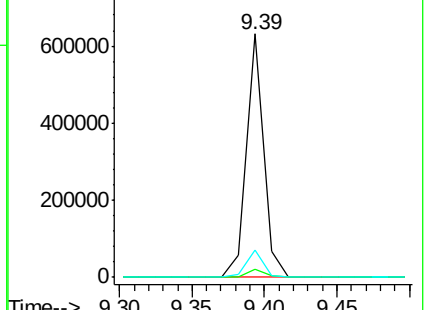
164 11.1 9.0 13.4



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: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

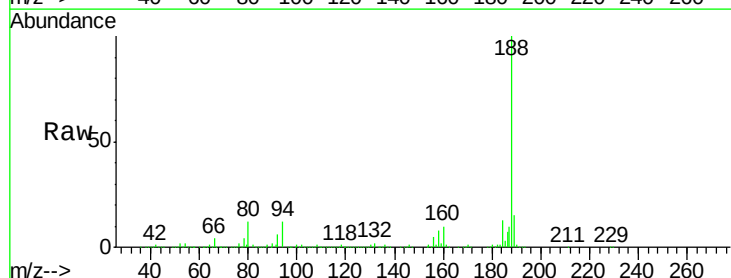
Tgt Ion:188 Resp: 775013

Ion Ratio Lower Upper

188 100

94 11.5 5.9 8.9#

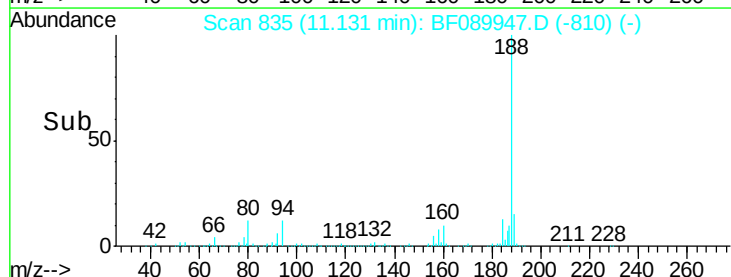
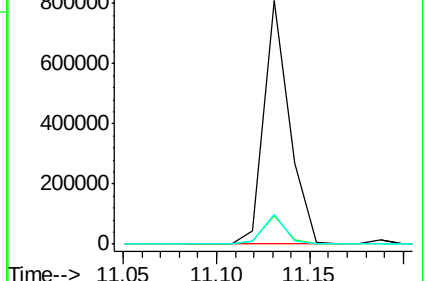
80 12.1 5.8 8.8#

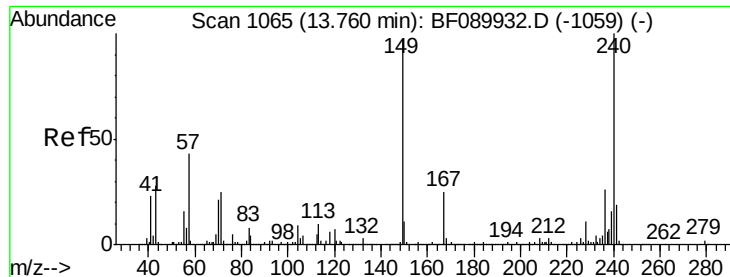


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

Instrument :

BNA\_F

ClientSampleId :

415LSB2(4)

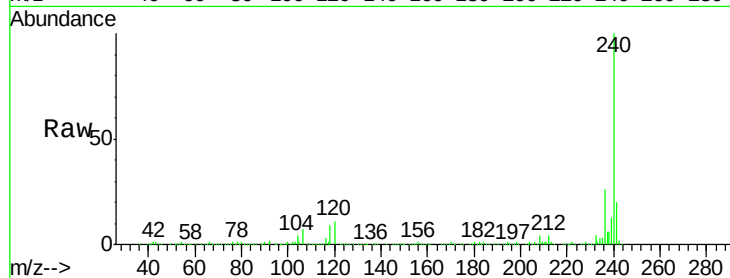
Tgt Ion:240 Resp: 574042

Ion Ratio Lower Upper

240 100

120 10.6 5.7 8.5#

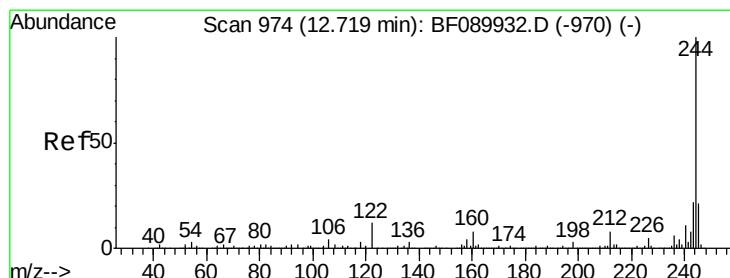
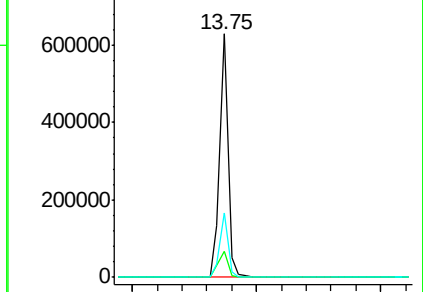
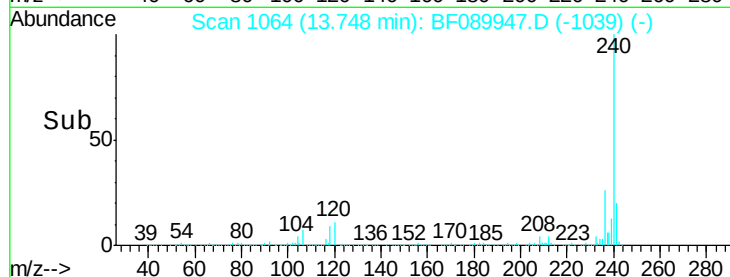
236 26.3 21.3 31.9



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: 62.76 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

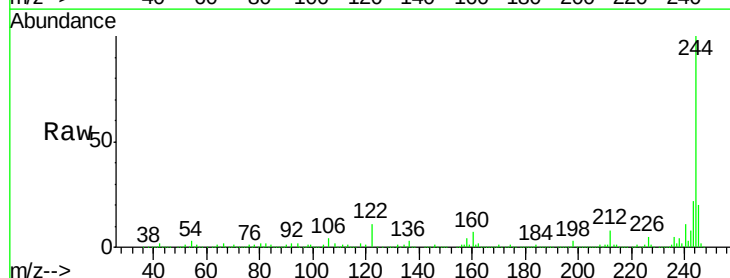
Tgt Ion:244 Resp: 1458501

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

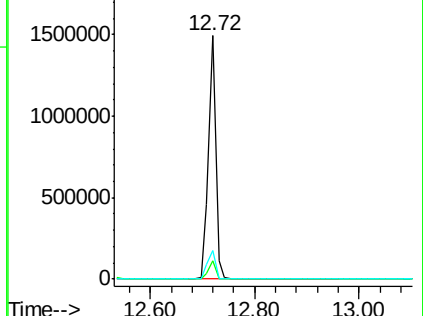
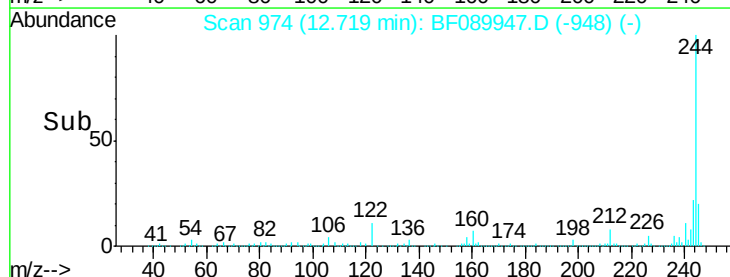
122 11.5 9.6 14.4



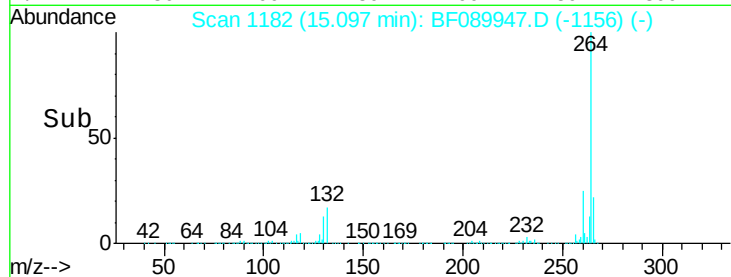
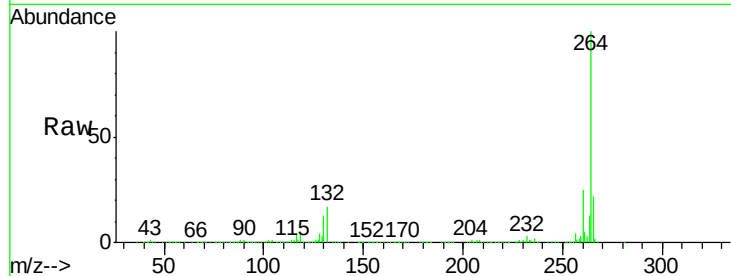
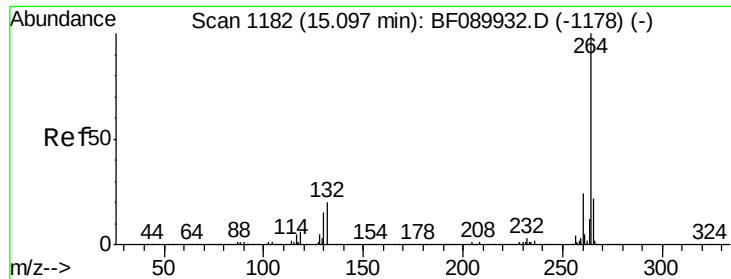
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.10 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BF089947.D

Acq: 31 Aug 2016 13:44

Instrument :

BNA\_F

ClientSampleId :

415LSB2(4)

Tgt Ion:264 Resp: 551334

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.0

265 21.7 17.4 26.2

