

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090116\  
 Data File : BF089964.D  
 Acq On : 1 Sep 2016 11:43  
 Operator : UM/SJ  
 Sample : PB93161BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93161BL

Quant Time: Sep 01 14:00:51 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  | 203774   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.92  | 136  | 762182   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.67  | 164  | 373302   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.13 | 188  | 574759   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.75 | 240  | 455949   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.10 | 264  | 455137   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.22  | 112  | 1459359  | 114.63 | ng    | 0.01     |
| 7) Phenol-d6                | 6.28  | 99   | 1934004  | 125.02 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.20  | 82   | 1060561  | 80.70  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.44 | 330  | 374411   | 101.66 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.00  | 172  | 2106865  | 92.65  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.72 | 244  | 1358467  | 73.60  | ng    | 0.00     |

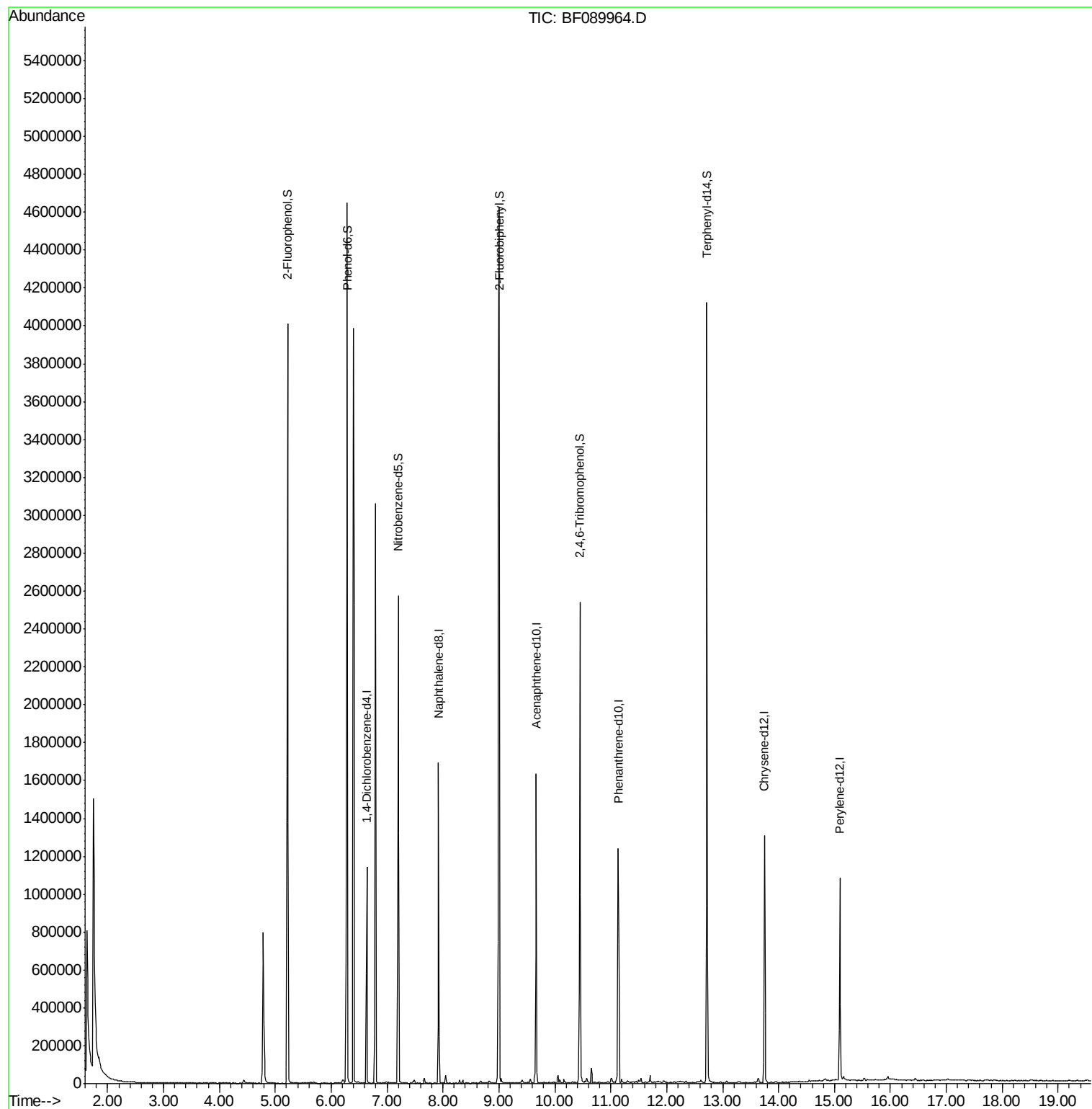
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

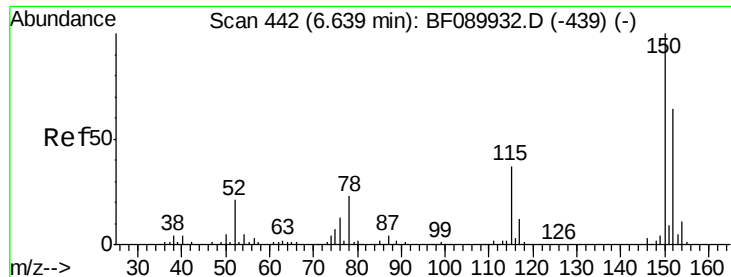
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 31 11:55:18 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089964.D

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ClientSampleId :

PB93161BL

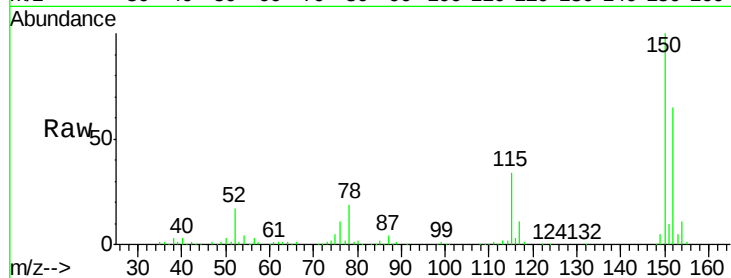
Tgt Ion:152 Resp: 203774

Ion Ratio Lower Upper

152 100

150 153.6 127.4 191.2

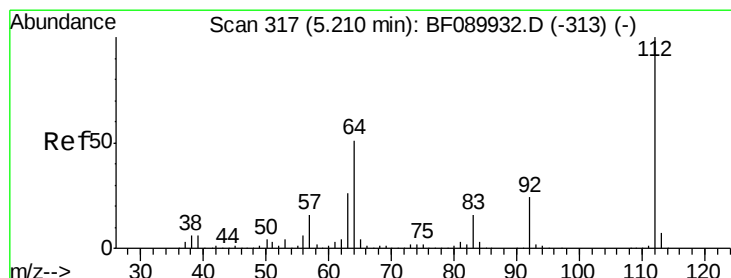
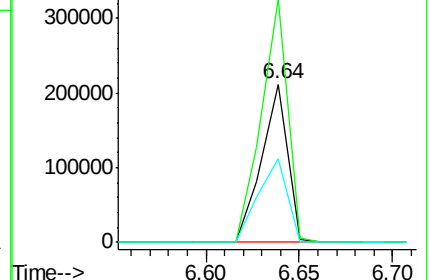
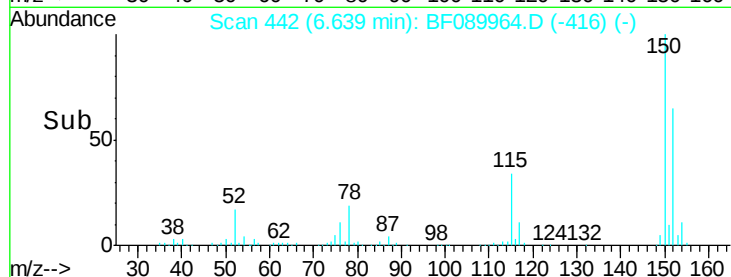
115 53.0 46.3 69.5



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: 114.63 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

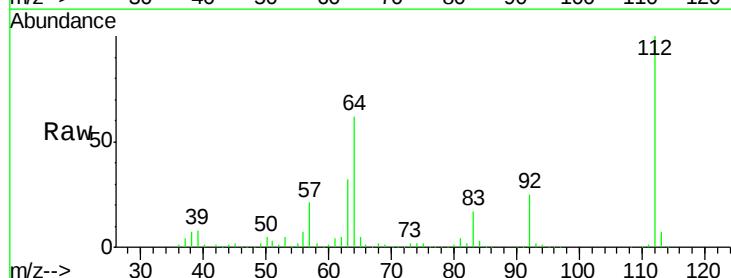
Tgt Ion:112 Resp: 1459359

Ion Ratio Lower Upper

112 100

64 61.8 41.1 61.7#

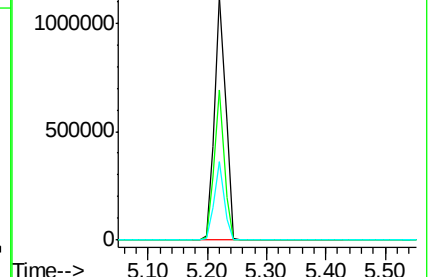
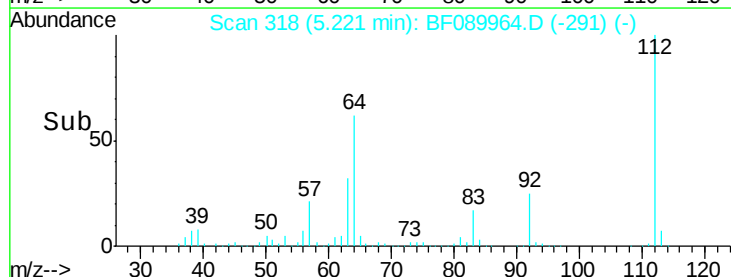
63 32.1 21.2 31.8#



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: 125.02 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089964.D

Acq: 1 Sep 2016 11:43

Instrument :

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ClientSampleId :

PB93161BL

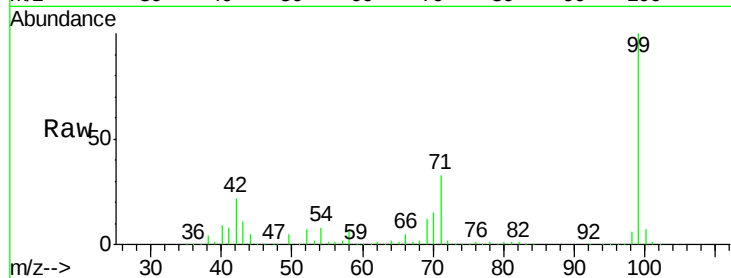
Tgt Ion: 99 Resp: 1934004

Ion Ratio Lower Upper

99 100

42 22.2 18.6 27.8

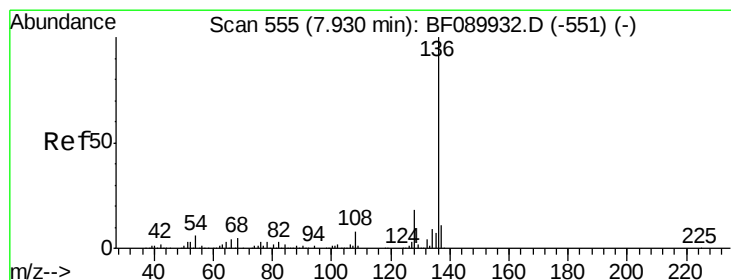
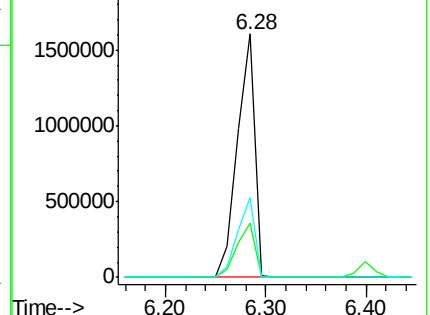
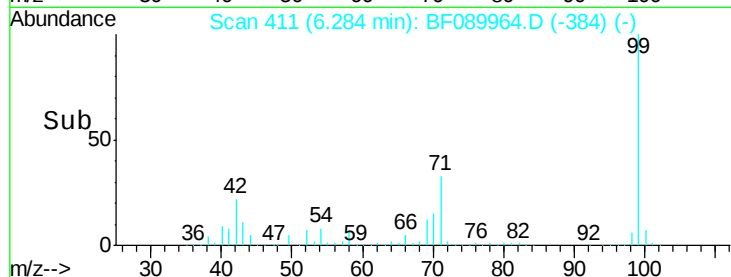
71 32.6 25.8 38.6



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: BF089964.D

Acq: 1 Sep 2016 11:43

Tgt Ion: 136 Resp: 762182

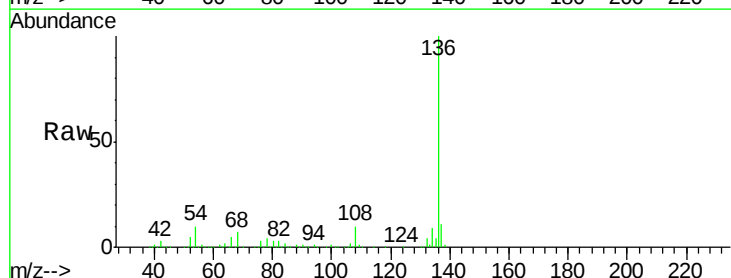
Ion Ratio Lower Upper

136 100

137 11.1 8.3 12.5

54 9.8 4.8 7.2#

68 6.7 3.7 5.5#

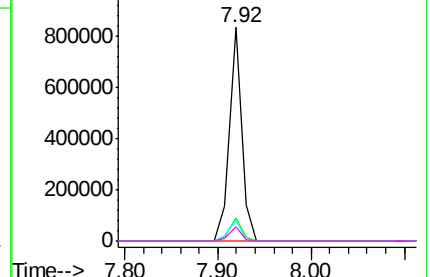
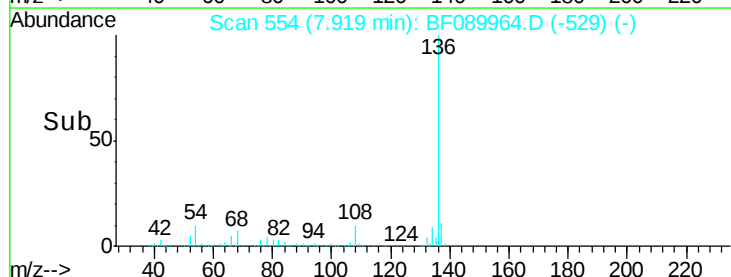


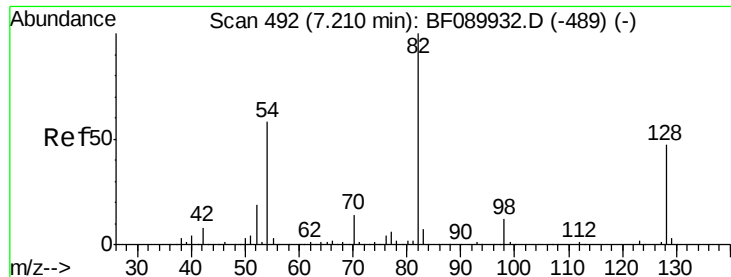
Abundance Ion 136.00 (135.70 to 136.70): E

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

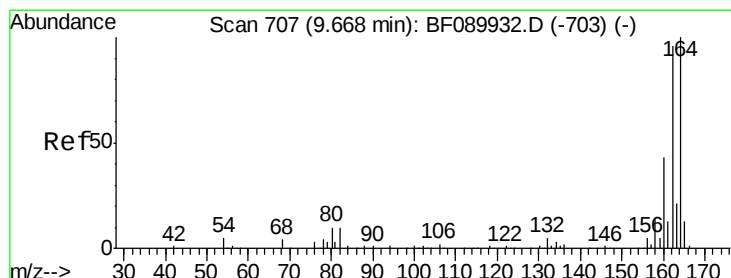
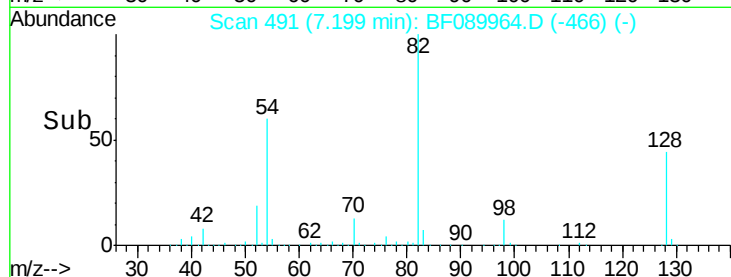
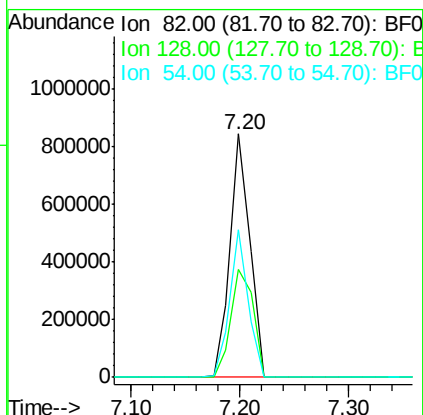
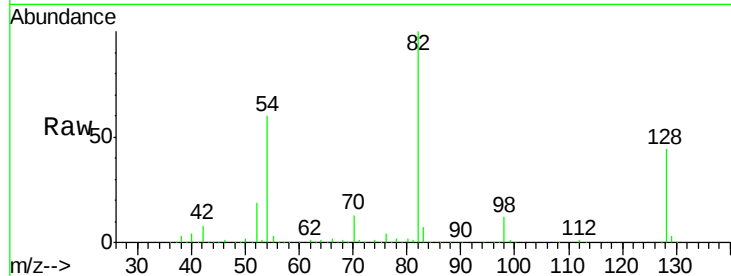




#23  
 Nitrobenzene-d5  
 Concen: 80.70 ng  
 RT: 7.20 min Scan# 491  
 Delta R.T. -0.01 min  
 Lab File: BF089964.D  
 Acq: 1 Sep 2016 11:43

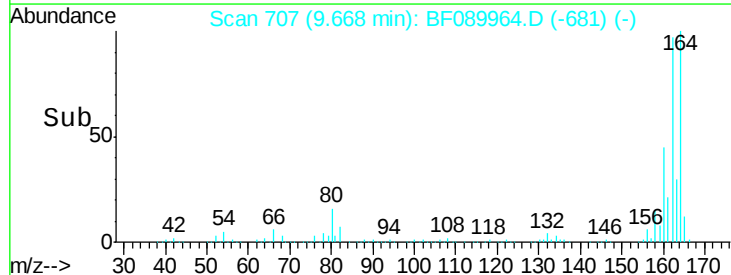
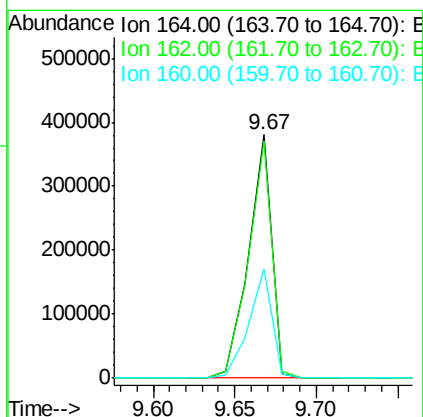
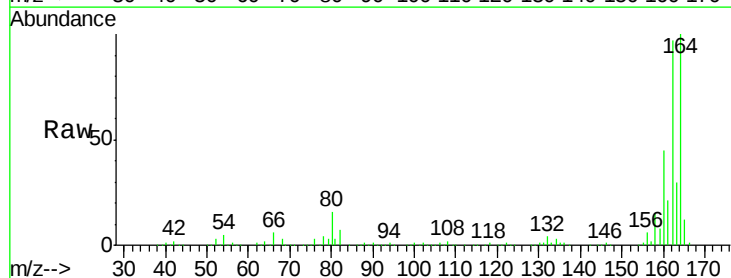
Instrument :  
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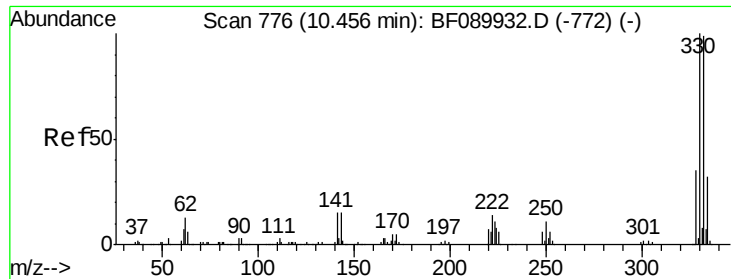
Tgt Ion: 82 Resp: 1060561  
 Ion Ratio Lower Upper  
 82 100  
 128 44.3 37.8 56.8  
 54 60.4 46.9 70.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.67 min Scan# 707  
 Delta R.T. -0.00 min  
 Lab File: BF089964.D  
 Acq: 1 Sep 2016 11:43

Tgt Ion: 164 Resp: 373302  
 Ion Ratio Lower Upper  
 164 100  
 162 97.5 77.1 115.7  
 160 45.0 35.3 52.9

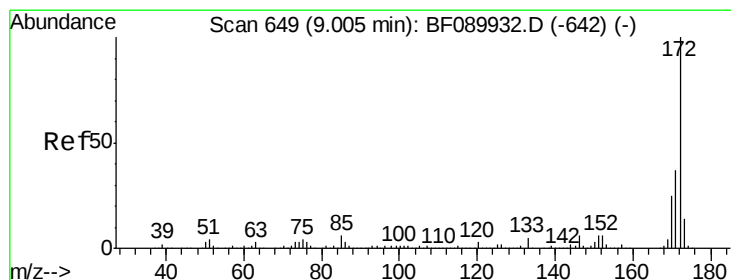
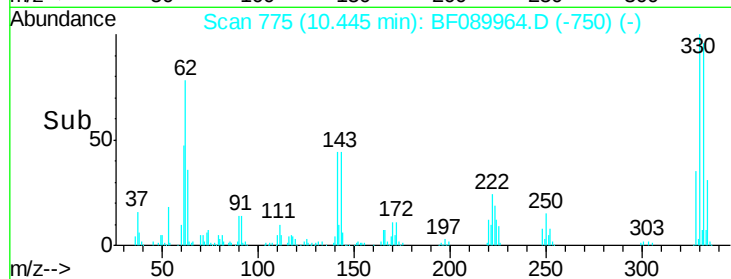
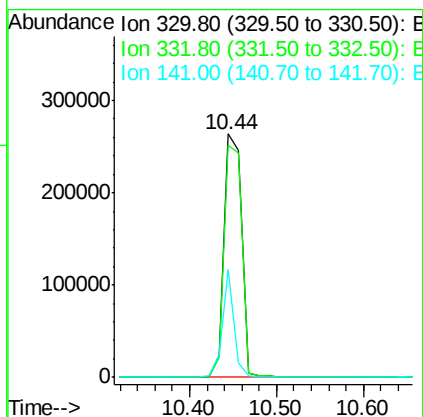
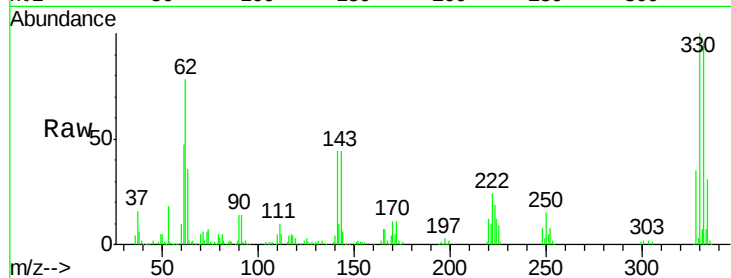




#41  
 2,4,6-Tribromophenol  
 Concen: 101.66 ng  
 RT: 10.44 min Scan# 775  
 Delta R.T. -0.01 min  
 Lab File: BF089964.D  
 Acq: 1 Sep 2016 11:43

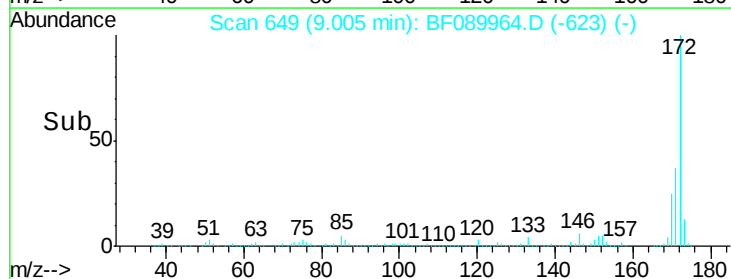
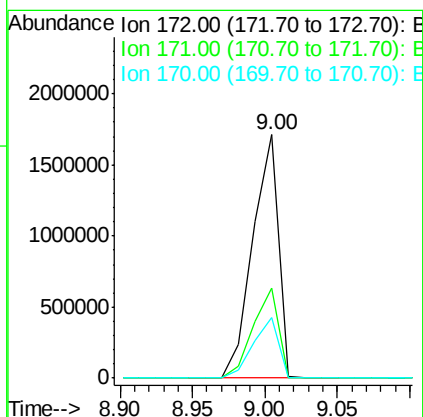
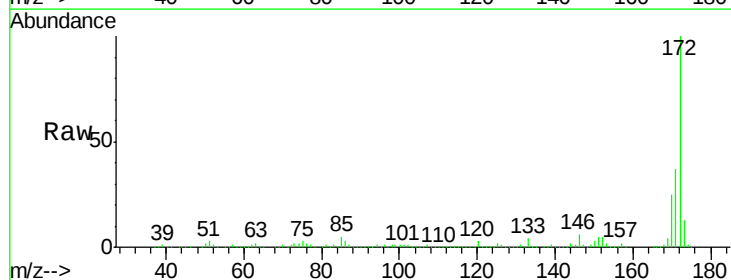
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93161BL

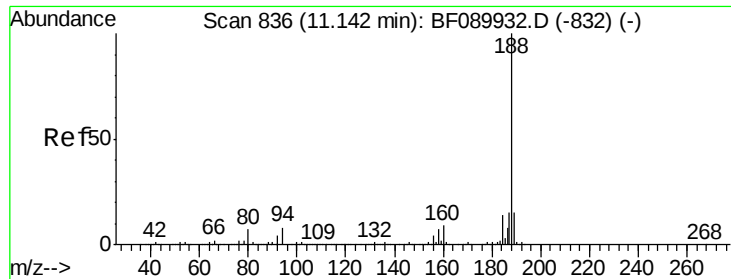
Tgt Ion:330 Resp: 374411  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 78.6 117.8  
 141 29.4 23.3 34.9



#44  
 2-Fluorobiphenyl  
 Concen: 92.65 ng  
 RT: 9.00 min Scan# 649  
 Delta R.T. -0.00 min  
 Lab File: BF089964.D  
 Acq: 1 Sep 2016 11:43

Tgt Ion:172 Resp: 2106865  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.4 44.2  
 170 24.8 20.1 30.1

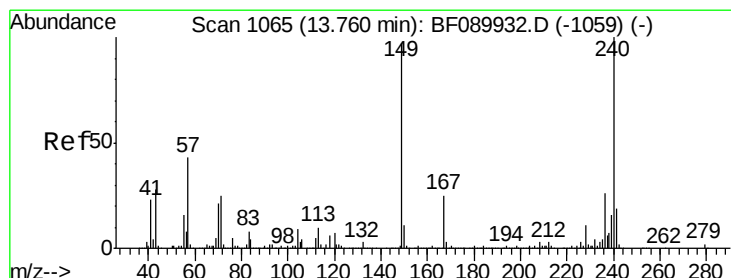
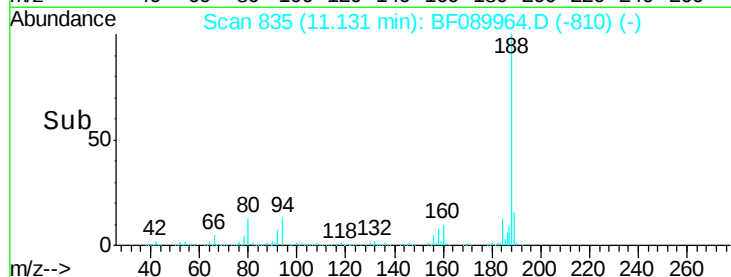
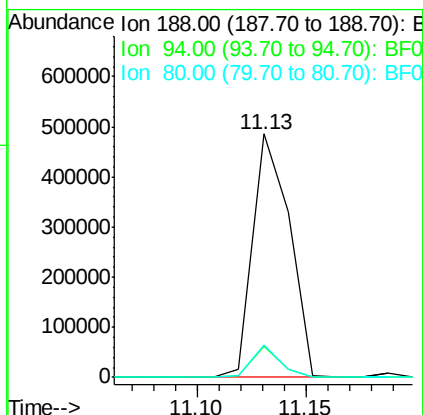
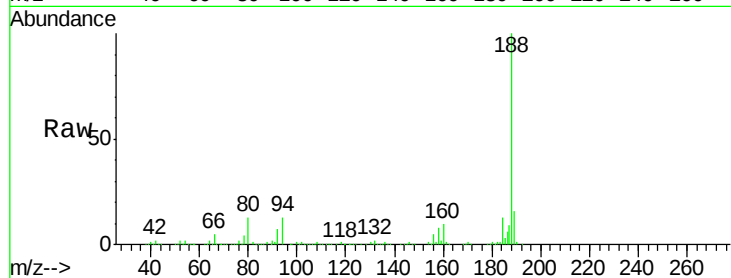




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.13 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BF089964.D  
Acq: 1 Sep 2016 11:43

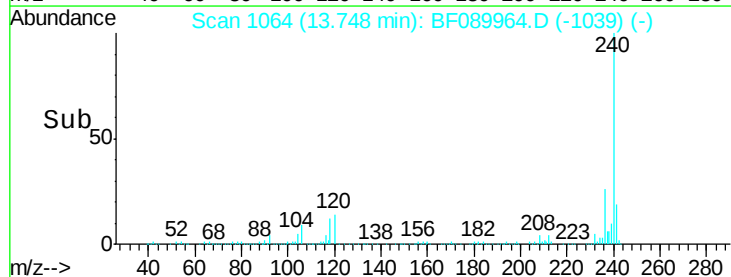
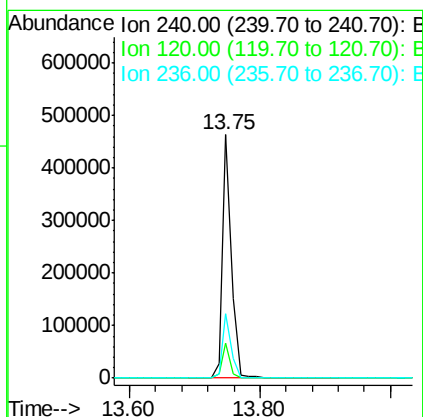
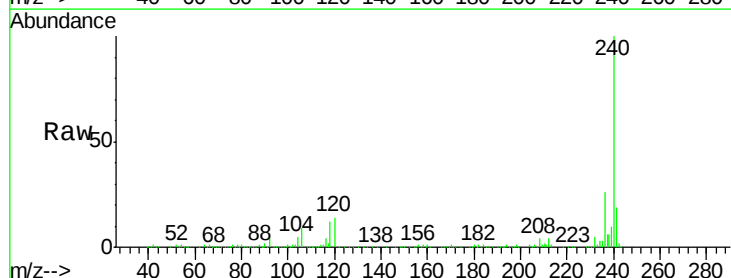
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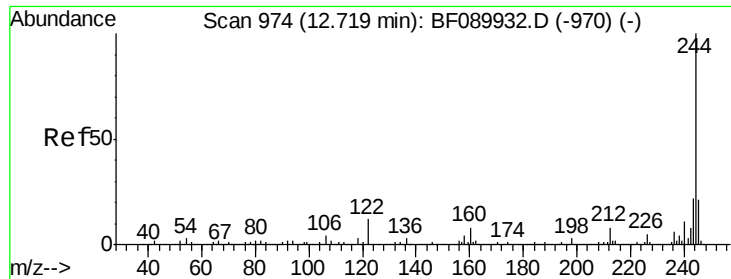
Tgt Ion:188 Resp: 574759  
Ion Ratio Lower Upper  
188 100  
94 13.0 5.9 8.9#  
80 13.4 5.8 8.8#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.75 min Scan# 1064  
Delta R.T. -0.01 min  
Lab File: BF089964.D  
Acq: 1 Sep 2016 11:43

Tgt Ion:240 Resp: 455949  
Ion Ratio Lower Upper  
240 100  
120 14.5 5.7 8.5#  
236 26.4 21.3 31.9

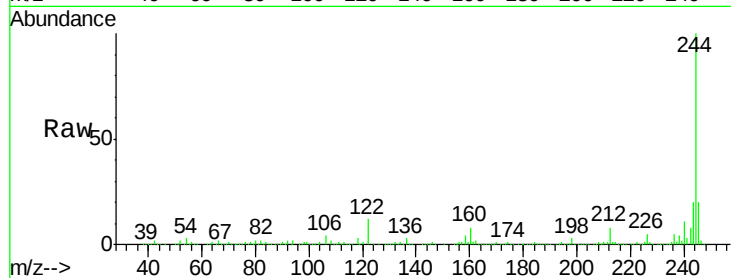




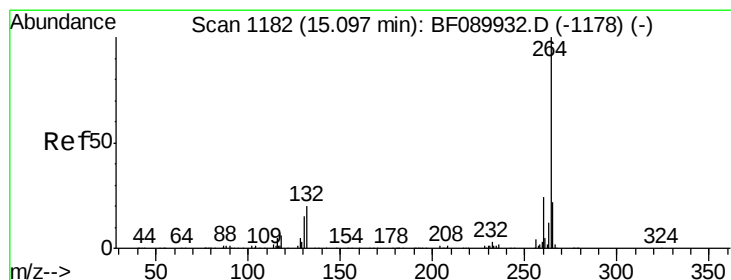
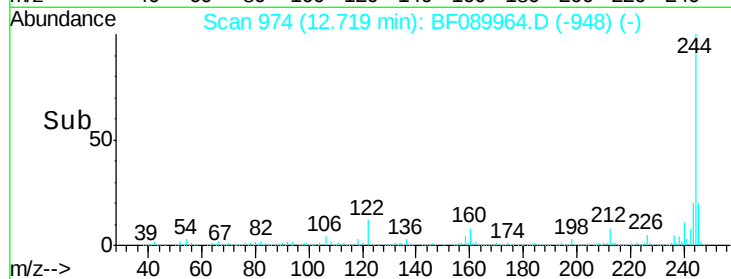
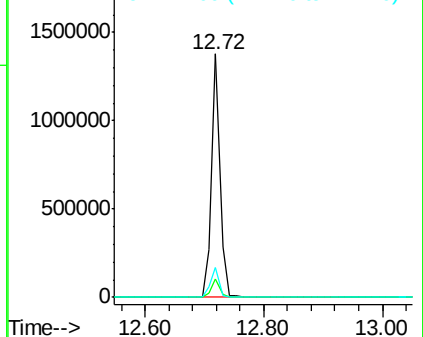
#78  
 Terphenyl-d14  
 Concen: 73.60 ng  
 RT: 12.72 min Scan# 974  
 Delta R.T. 0.00 min  
 Lab File: BF089964.D  
 Acq: 1 Sep 2016 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93161BL

Tgt Ion:244 Resp: 1358467  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.1 9.1  
 122 12.3 9.6 14.4

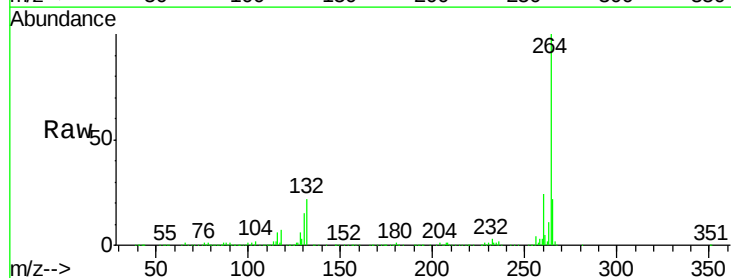


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.10 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BF089964.D  
 Acq: 1 Sep 2016 11:43

Tgt Ion:264 Resp: 455137  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.0  
 265 21.6 17.4 26.2



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

