

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090216\  
 Data File : BF089988.D  
 Acq On : 2 Sep 2016 21:25  
 Operator : UM/SJ  
 Sample : H4675-19  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEMP-AB(0-2)-5

Quant Time: Sep 02 23:19:32 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

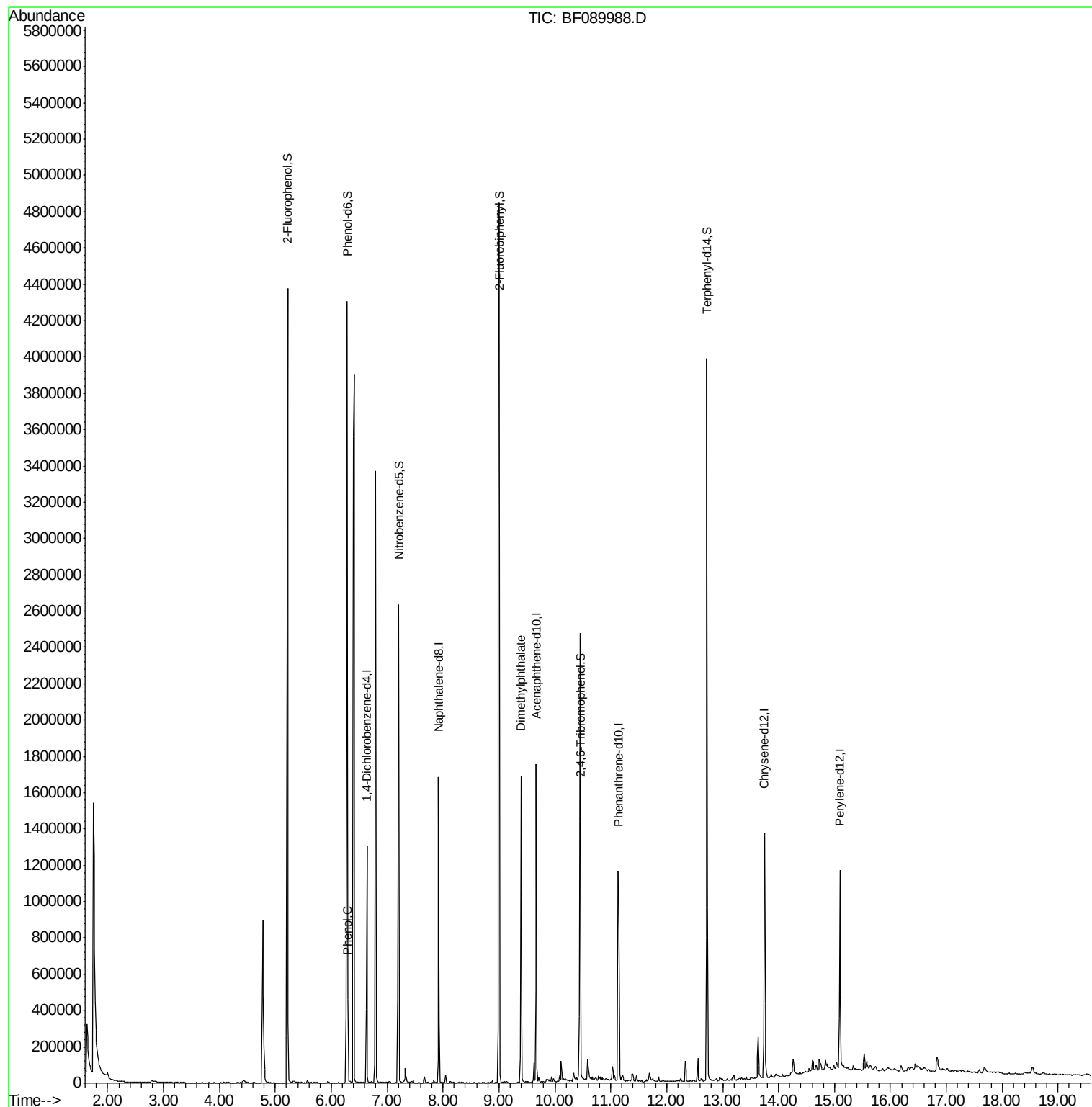
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.64  | 152  | 203657   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 7.92  | 136  | 727835   | 20.00  | ng    | -0.01       |
| 38) Acenaphthene-d10        | 9.67  | 164  | 364539   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 11.13 | 188  | 586808   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12            | 13.75 | 240  | 468852   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12            | 15.10 | 264  | 465592   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.22  | 112  | 1406710  | 110.56 | ng    | 0.01        |
| 7) Phenol-d6                | 6.28  | 99   | 1695777  | 109.69 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.21  | 82   | 1196623  | 95.35  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 414161   | 115.16 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.00  | 172  | 1957740  | 88.16  | ng    | 0.00        |
| 78) Terphenyl-d14           | 12.72 | 244  | 1360083  | 71.66  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.30  | 94   | 80266    | 4.46   | ng    | Qvalue # 60 |
| 49) Dimethylphthalate       | 9.39  | 163  | 864303   | 32.80  | ng    | 100         |

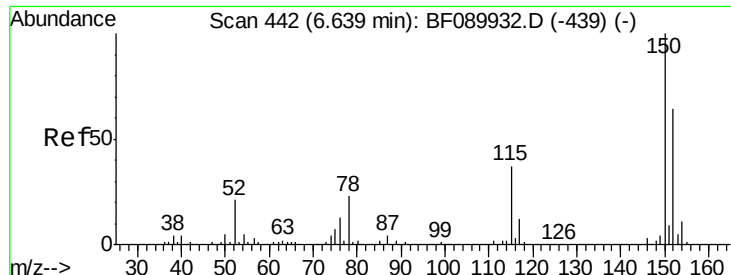
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090216\  
Data File : BF089988.D  
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Sample : H4675-19  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEMP-AB(0-2)-5

Quant Time: Sep 02 23:19:32 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089988.D

Acq: 2 Sep 2016 21:25

Instrument :

BNA\_F

ClientSampleId :

TEMP-AB(0-2)-5

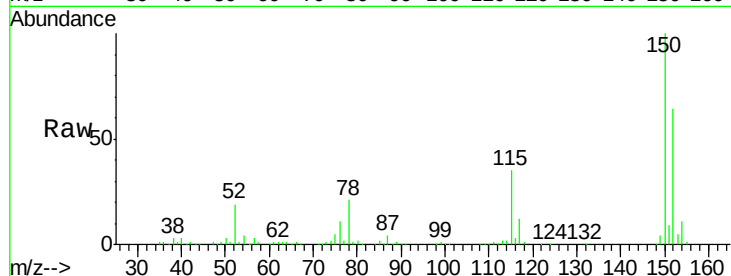
Tot Ion:152 Resp: 203657

Ion Ratio Lower Upper

152 100

150 155.1 127.4 191.2

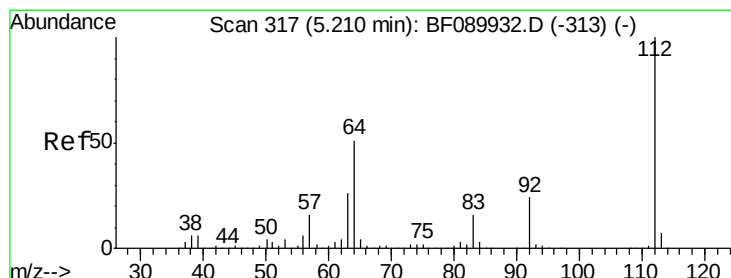
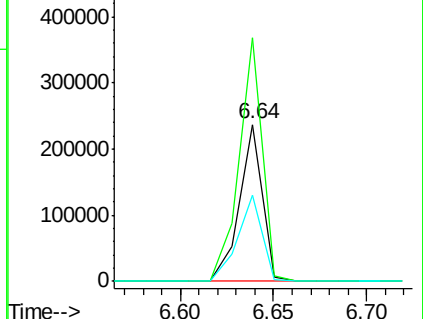
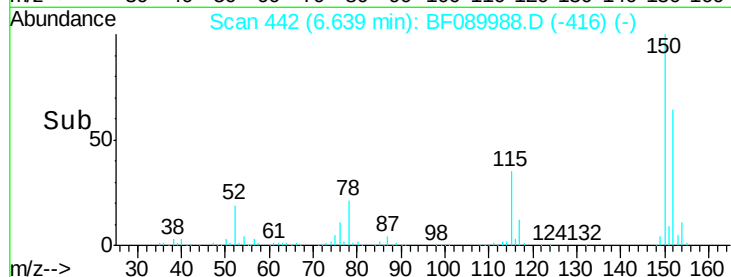
115 54.6 46.3 69.5



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: 110.56 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089988.D

Acq: 2 Sep 2016 21:25

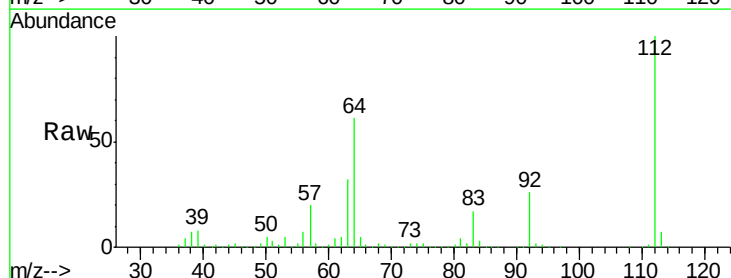
Tgt Ion:112 Resp: 1406710

Ion Ratio Lower Upper

112 100

64 61.2 41.1 61.7

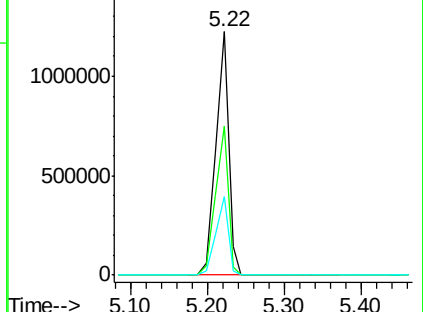
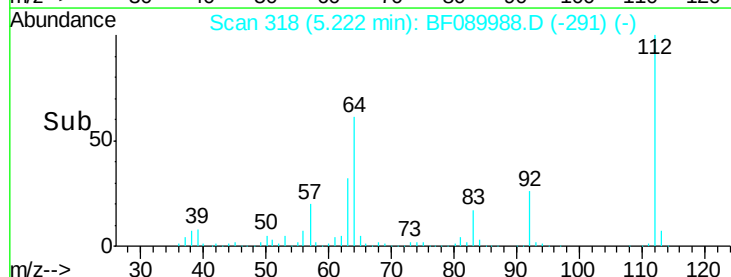
63 32.2 21.2 31.8#

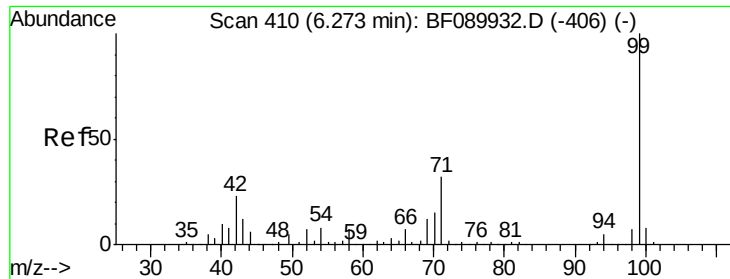


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.69 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF089988.D

Acq: 2 Sep 2016 21:25

Instrument :

BNA\_F

ClientSampleId :

TEMP-AB(0-2)-5

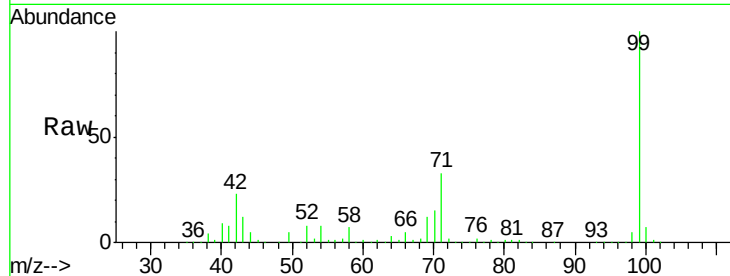
Tot Ion: 99 Resp: 1695777

Ion Ratio Lower Upper

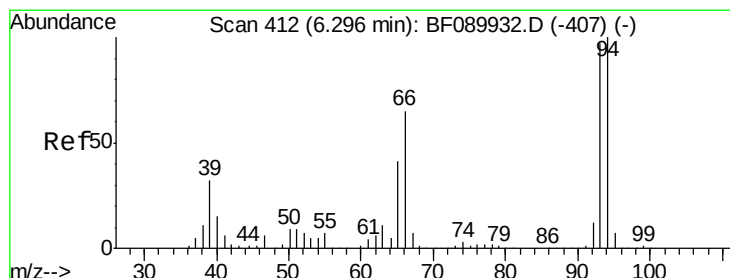
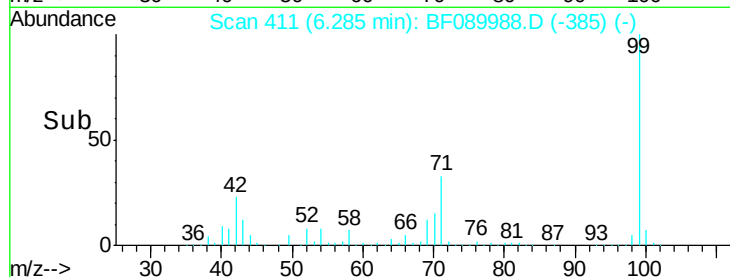
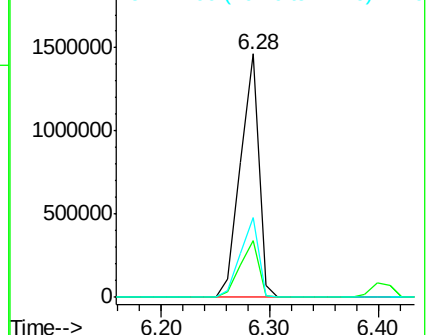
99 100

42 23.2 18.6 27.8

71 33.0 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: 4.46 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF089988.D

Acq: 2 Sep 2016 21:25

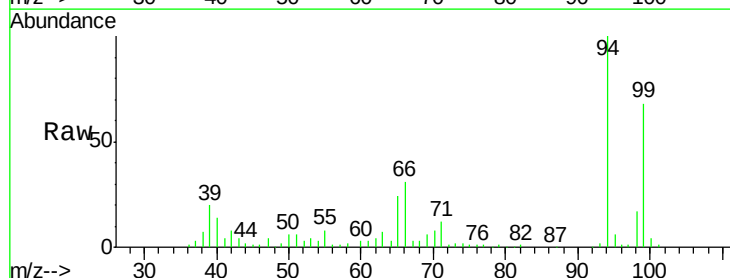
Tgt Ion: 94 Resp: 80266

Ion Ratio Lower Upper

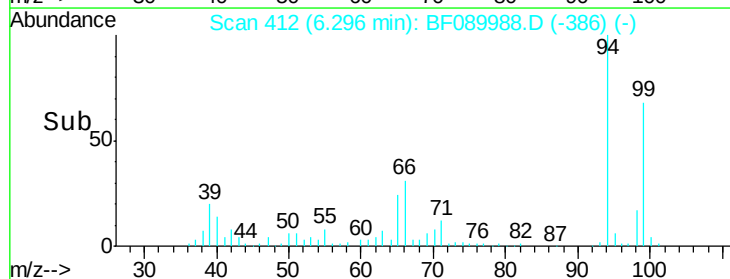
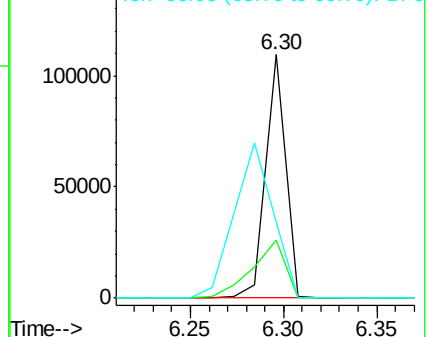
94 100

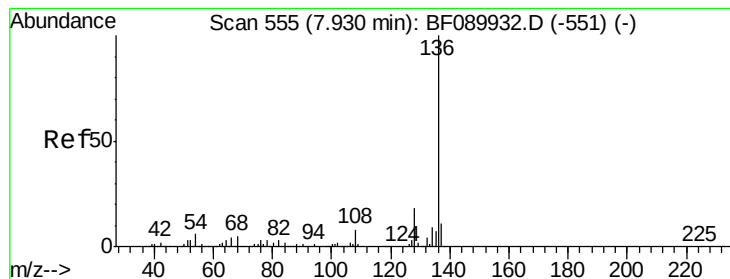
65 23.9 23.2 63.2

66 31.1 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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089988.D

Acq: 2 Sep 2016 21:25

Instrument :

BNA\_F

ClientSampleId :

TEMP-AB(0-2)-5

Tot Ion:136 Resp: 727835

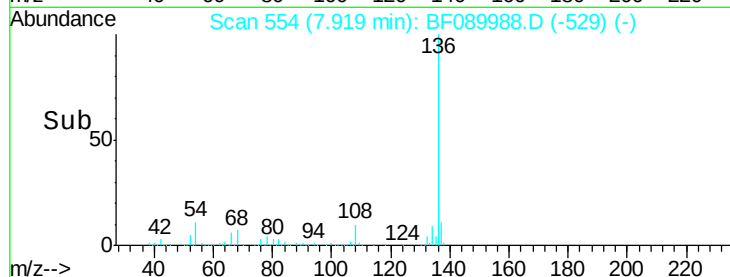
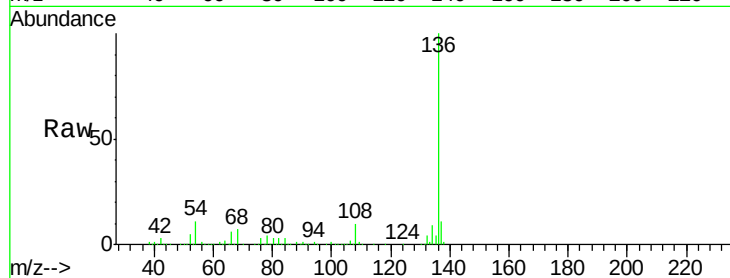
Ion Ratio Lower Upper

136 100

137 11.3 8.3 12.5

54 10.5 4.8 7.2#

68 7.2 3.7 5.5#



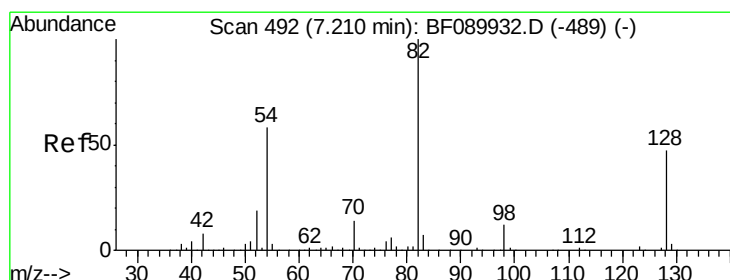
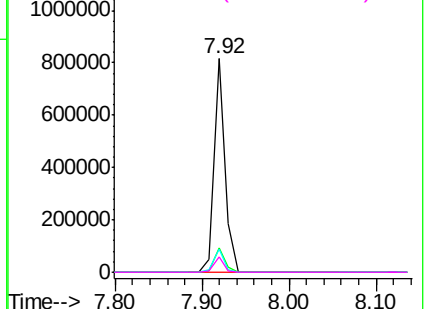
Abundance

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: 95.35 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF089988.D

Acq: 2 Sep 2016 21:25

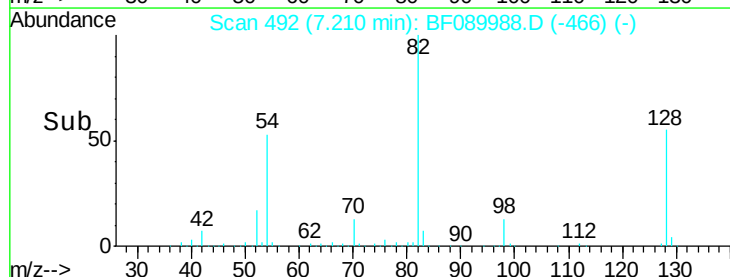
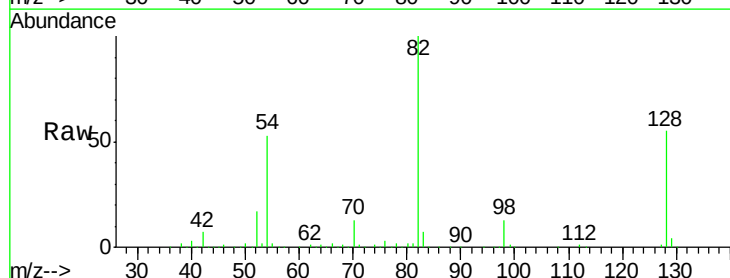
Tgt Ion: 82 Resp: 1196623

Ion Ratio Lower Upper

82 100

128 55.1 37.8 56.8

54 53.0 46.9 70.3

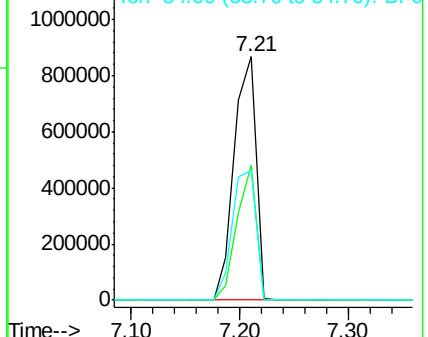


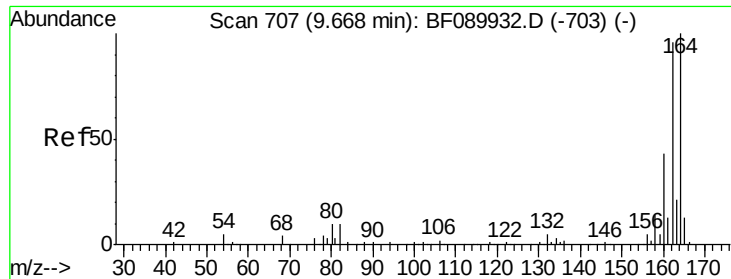
Abundance

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

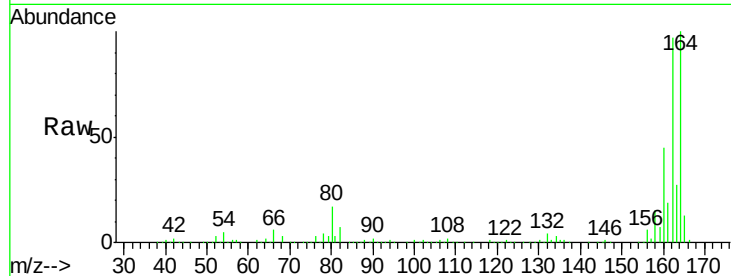




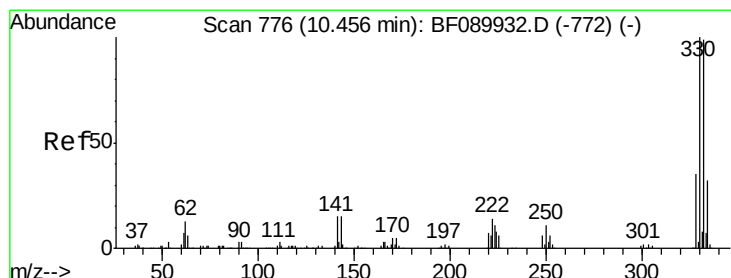
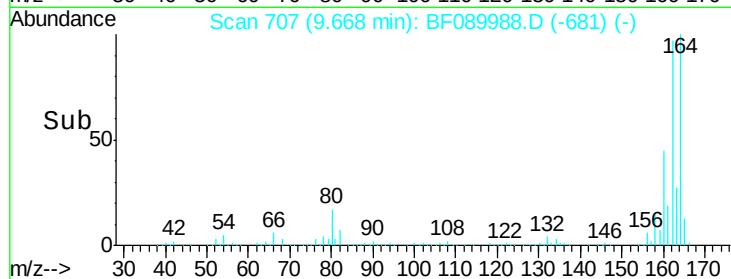
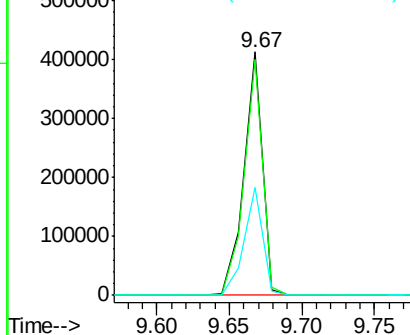
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.67 min Scan# 707  
 Delta R.T. 0.00 min  
 Lab File: BF089988.D  
 Acq: 2 Sep 2016 21:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEMP-AB(0-2)-5

Tot Ion:164 Resp: 364539  
 Ion Ratio Lower Upper  
 164 100  
 162 97.1 77.1 115.7  
 160 44.5 35.3 52.9

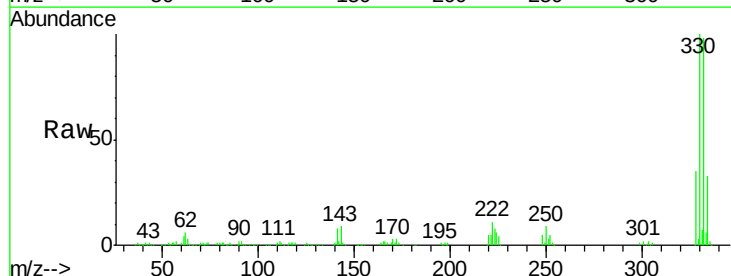


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

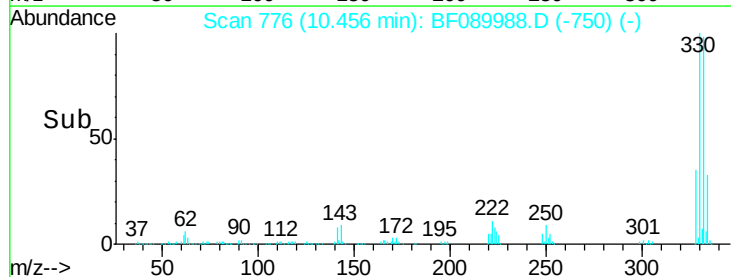
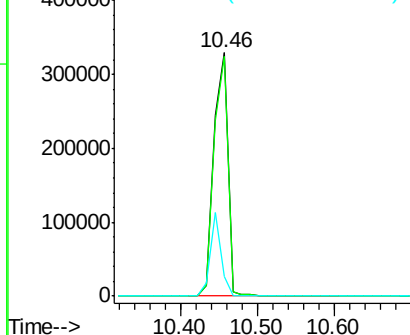


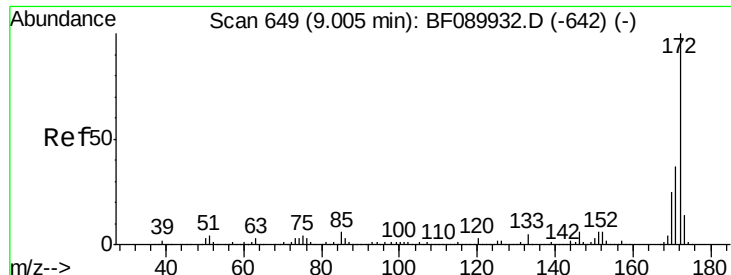
#41  
 2,4,6-Tribromophenol  
 Concen: 115.16 ng  
 RT: 10.46 min Scan# 776  
 Delta R.T. 0.00 min  
 Lab File: BF089988.D  
 Acq: 2 Sep 2016 21:25

Tgt Ion:330 Resp: 414161  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 78.6 117.8  
 141 27.1 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

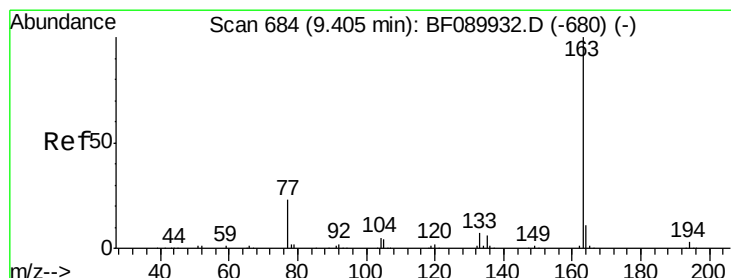
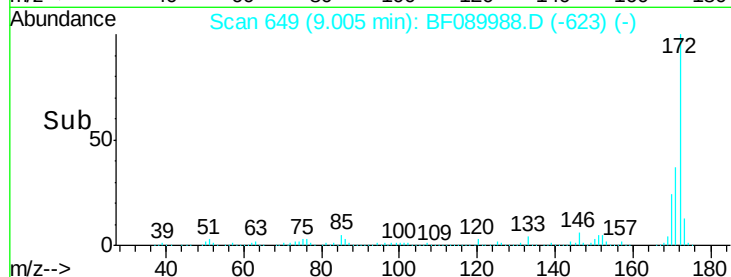
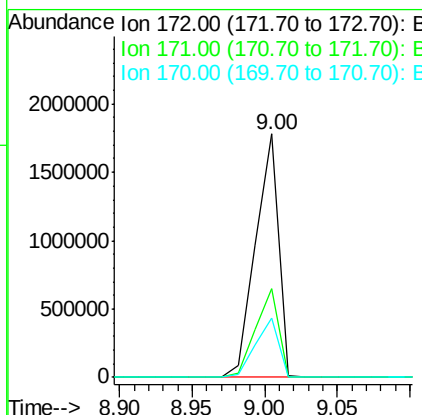
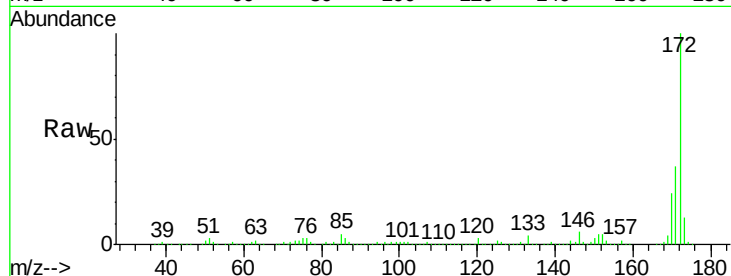




#44  
2-Fluorobiphenyl  
Concen: 88.16 ng  
RT: 9.00 min Scan# 649  
Delta R.T. 0.00 min  
Lab File: BF089988.D  
Acq: 2 Sep 2016 21:25

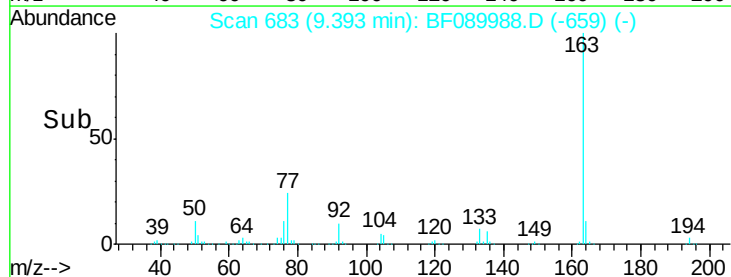
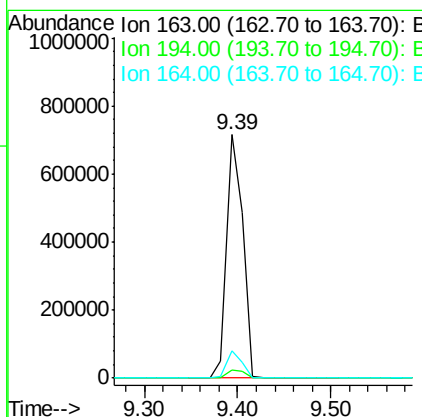
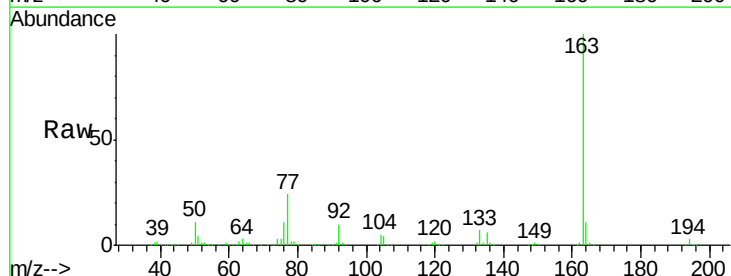
Instrument :  
BNA\_F  
ClientSampleId :  
TEMP-AB(0-2)-5

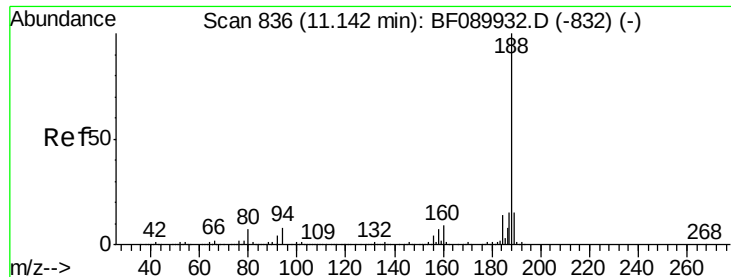
Tot Ion:172 Resp: 1957740  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.4 44.2  
170 24.5 20.1 30.1



#49  
Dimethylphthalate  
Concen: 32.80 ng  
RT: 9.39 min Scan# 683  
Delta R.T. -0.02 min  
Lab File: BF089988.D  
Acq: 2 Sep 2016 21:25

Tgt Ion:163 Resp: 864303  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.7 4.1  
164 11.0 9.0 13.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF089988.D

Acq: 2 Sep 2016 21:25

Instrument :

BNA\_F

ClientSampleId :

TEMP-AB(0-2)-5

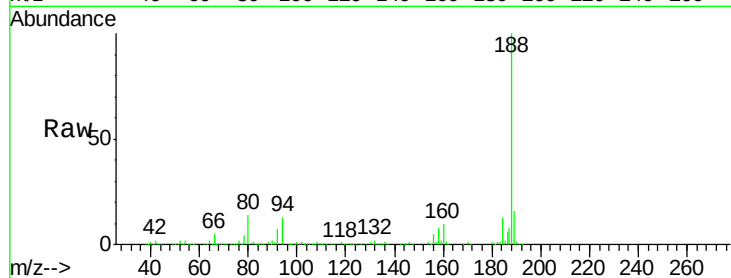
Tot Ion:188 Resp: 586808

Ion Ratio Lower Upper

188 100

94 13.3 5.9 8.9#

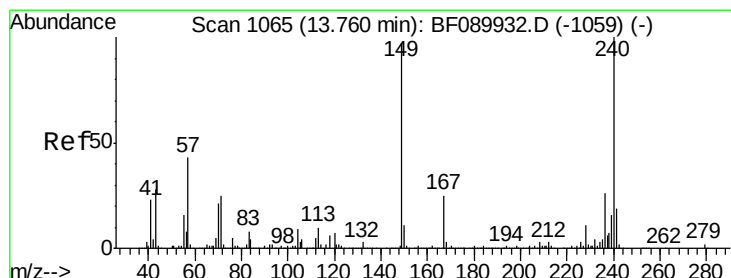
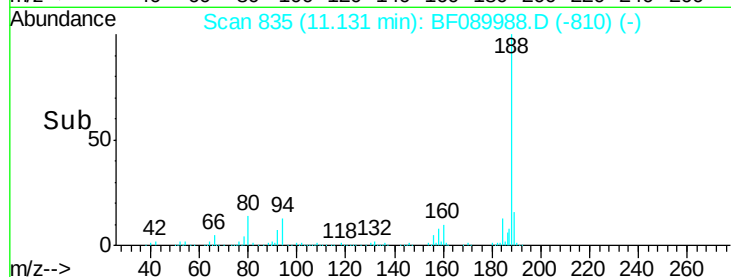
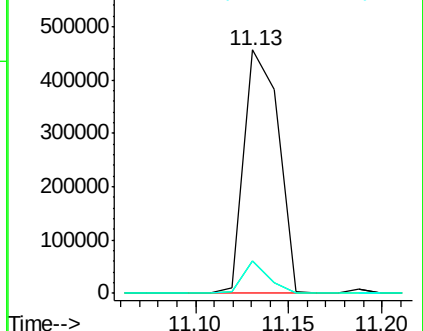
80 13.6 5.8 8.8#



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: BF089988.D

Acq: 2 Sep 2016 21:25

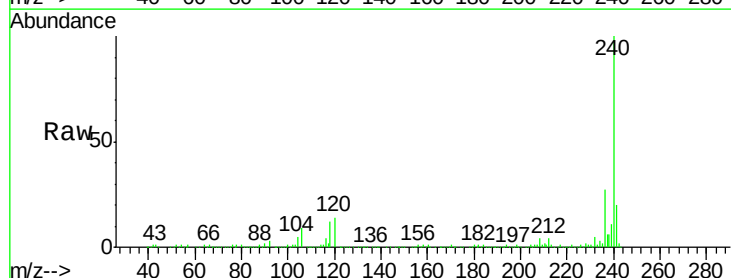
Tgt Ion:240 Resp: 468852

Ion Ratio Lower Upper

240 100

120 13.7 5.7 8.5#

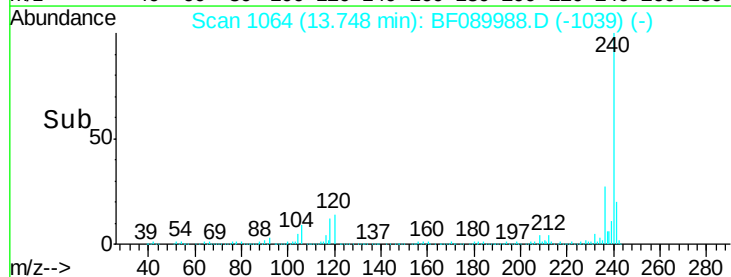
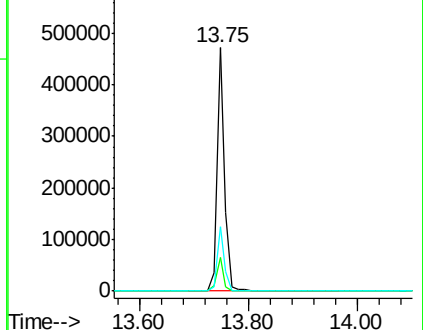
236 26.6 21.3 31.9



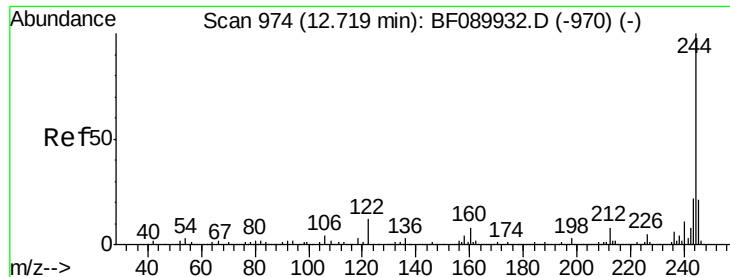
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





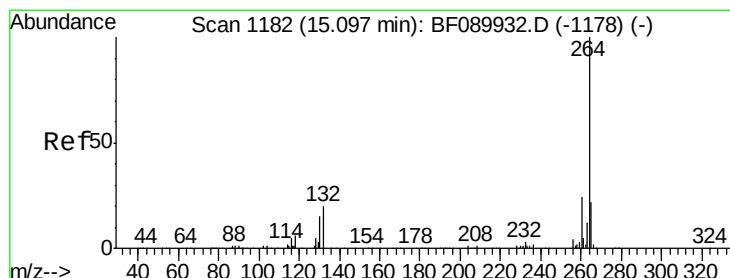
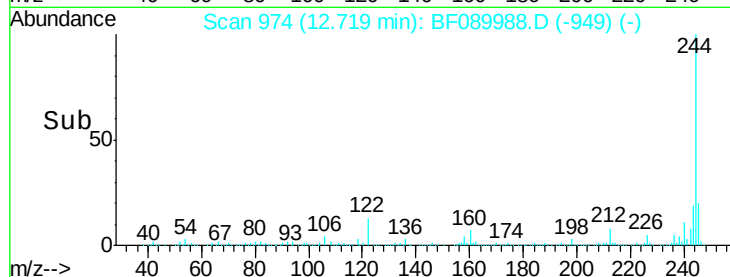
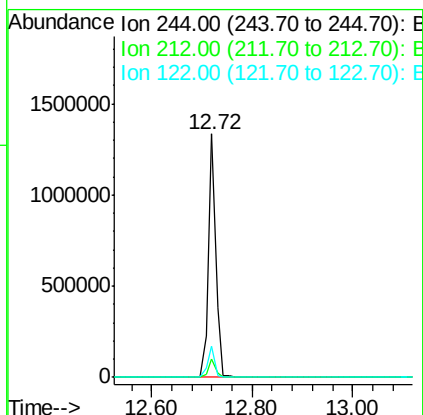
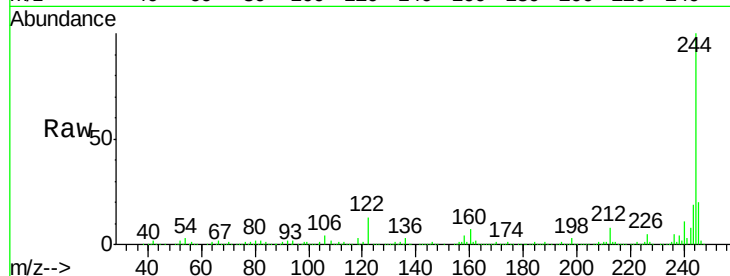


#78  
 Terphenyl-d14  
 Concen: 71.66 ng  
 RT: 12.72 min Scan# 974  
 Delta R.T. -0.01 min  
 Lab File: BF089988.D  
 Acq: 2 Sep 2016 21:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEMP-AB(0-2)-5

Tot Ion:244 Resp: 1360083  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 6.1   | 9.1   |
| 122 | 12.6  | 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: BF089988.D  
 Acq: 2 Sep 2016 21:25

Tgt Ion:264 Resp: 465592  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 19.4  | 29.0  |
| 265 | 21.9  | 17.4  | 26.2  |

