

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092916\  
 Data File : BF090309.D  
 Acq On : 30 Sep 2016 2:04  
 Operator : UM/SJ  
 Sample : H5015-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-5

Quant Time: Sep 30 02:29:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 26 15:58:38 2016  
 Response via : Initial Calibration

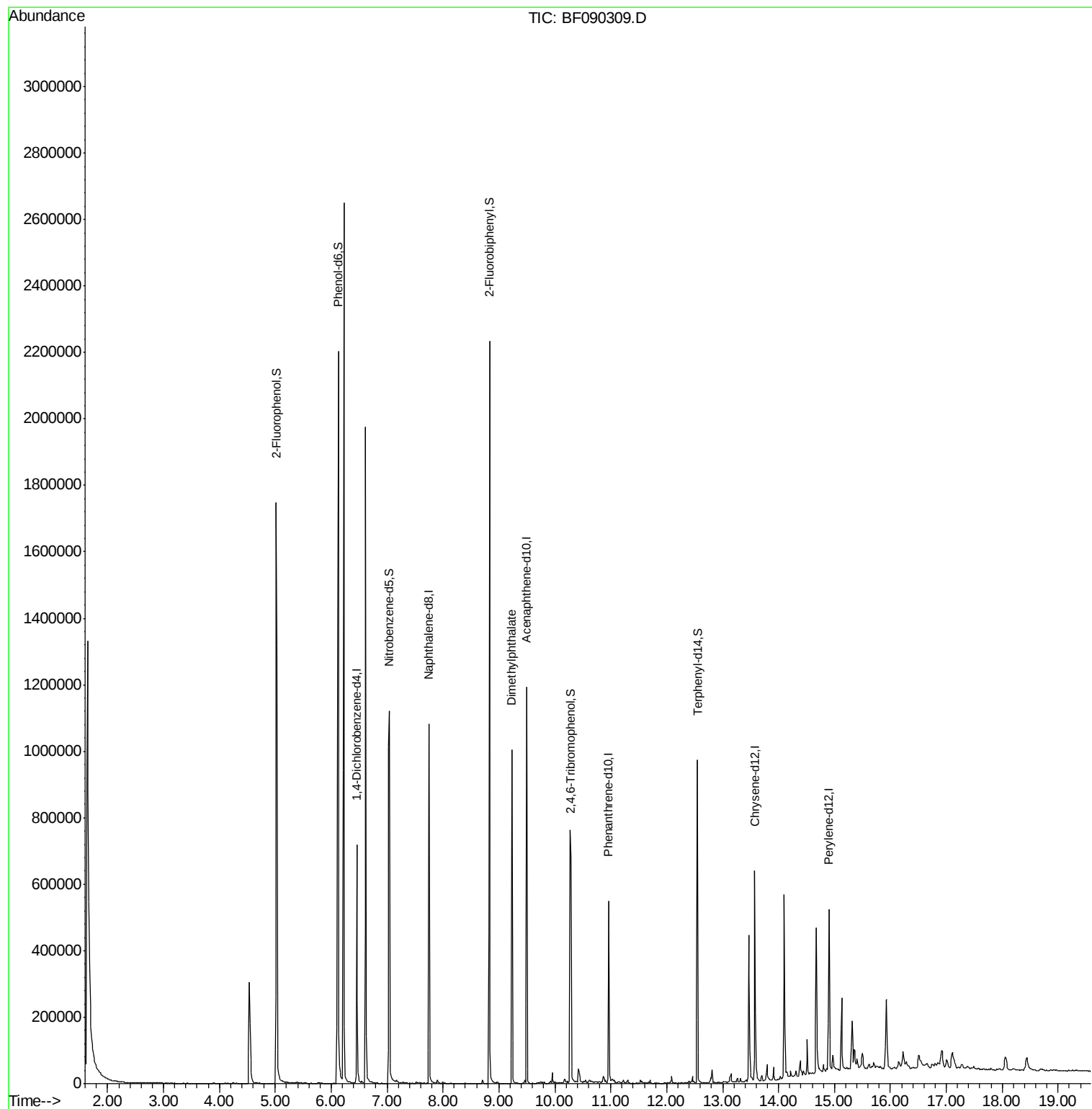
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.46  | 152  | 126564   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 7.75  | 136  | 489362   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.50  | 164  | 250822   | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 10.96 | 188  | 299540   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 13.58 | 240  | 240125   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 14.90 | 264  | 189603   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.02  | 112  | 811816   | 104.55 | ng    | -0.01        |
| 7) Phenol-d6                | 6.12  | 99   | 1125825  | 117.41 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.04  | 82   | 624520   | 73.98  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.28 | 330  | 151845   | 70.57  | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 8.83  | 172  | 690097   | 54.01  | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.55 | 244  | 300570   | 31.78  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.23  | 163  | 396008   | 24.79  | ng    | Qvalue<br>99 |

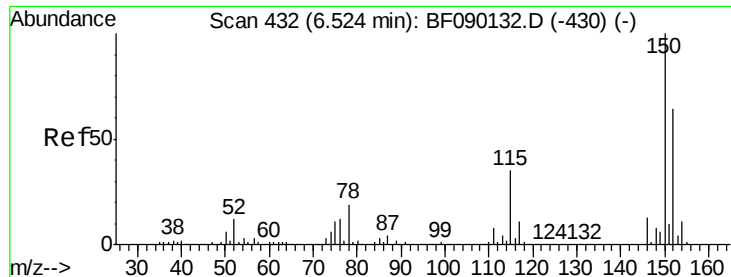
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092916\  
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BNA\_F  
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QLast Update : Mon Sep 26 15:58:38 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF090309.D

Acq: 30 Sep 2016 2:04

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-5

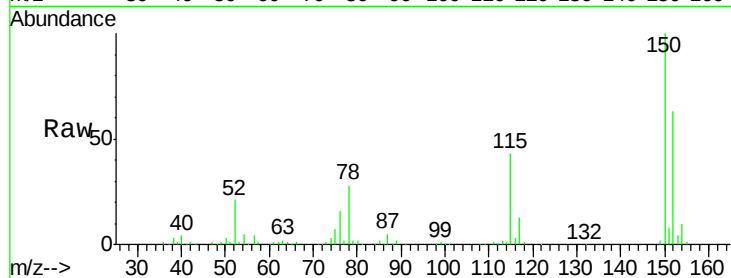
Tgt Ion:152 Resp: 126564

Ion Ratio Lower Upper

152 100

150 157.8 128.9 193.3

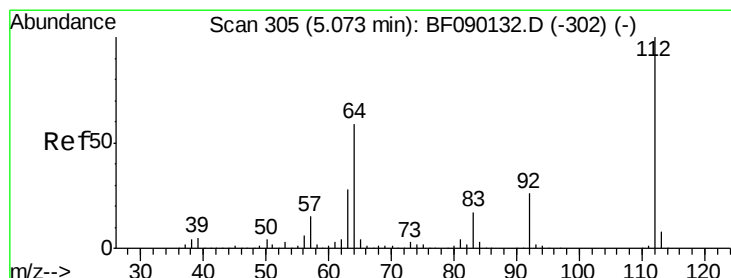
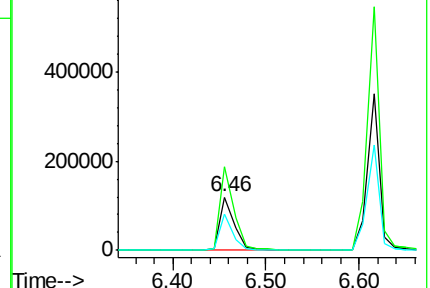
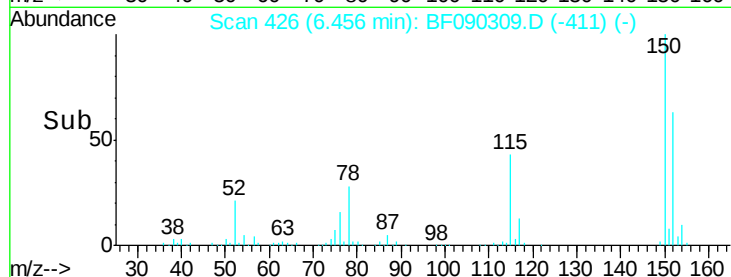
115 67.5 55.5 83.3



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: 104.55 ng

RT: 5.02 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF090309.D

Acq: 30 Sep 2016 2:04

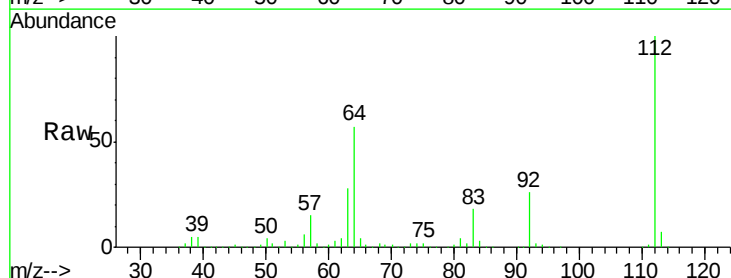
Tgt Ion:112 Resp: 811816

Ion Ratio Lower Upper

112 100

64 56.6 39.8 59.6

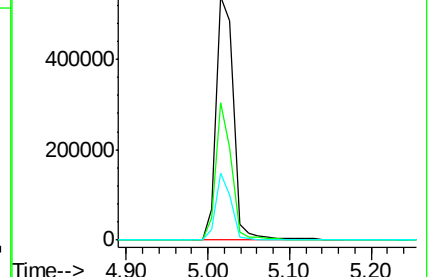
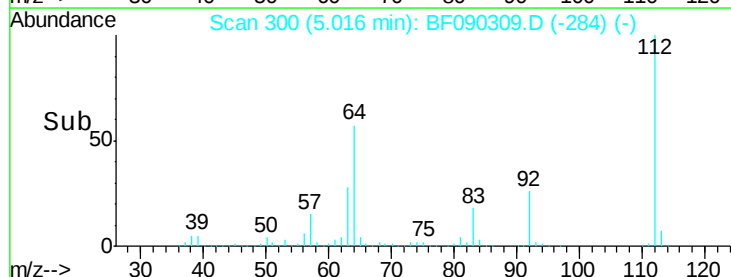
63 27.5 18.9 28.3

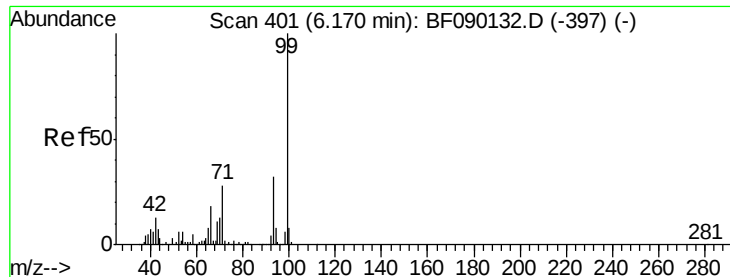


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.41 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090309.D

Acq: 30 Sep 2016 2:04

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-5

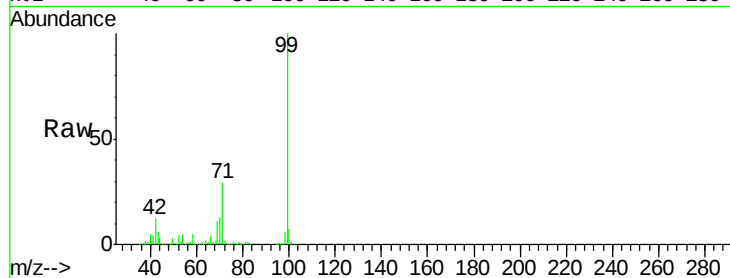
Tgt Ion: 99 Resp: 1125825

Ion Ratio Lower Upper

99 100

42 12.2 10.6 15.8

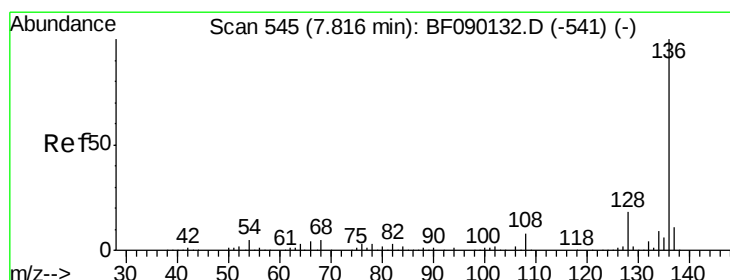
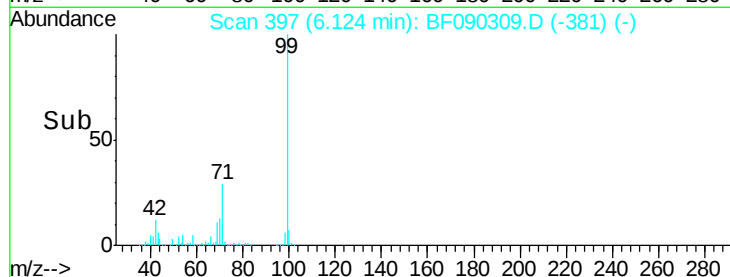
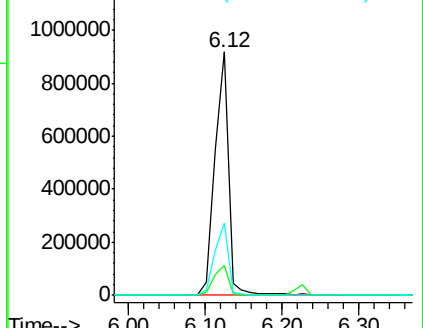
71 29.4 23.0 34.6



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: 7.75 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF090309.D

Acq: 30 Sep 2016 2:04

Tgt Ion: 136 Resp: 489362

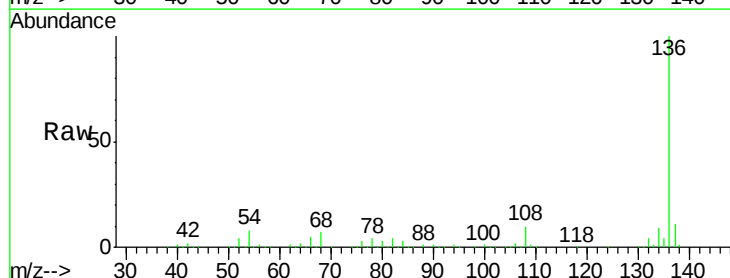
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 7.6 6.4 9.6

68 7.2 6.3 9.5

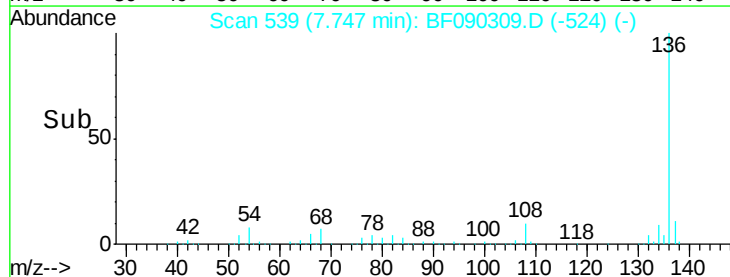
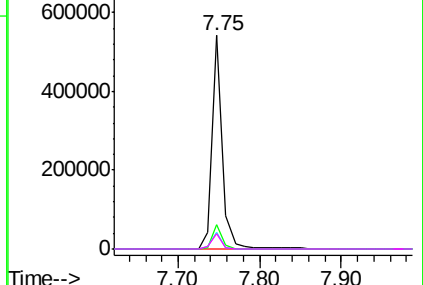


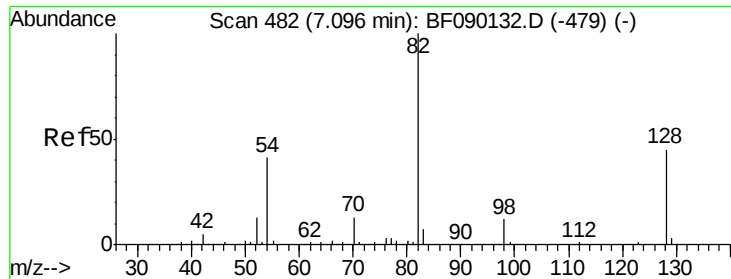
Abundance Ion 136.00 (135.70 to 136.70): E

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

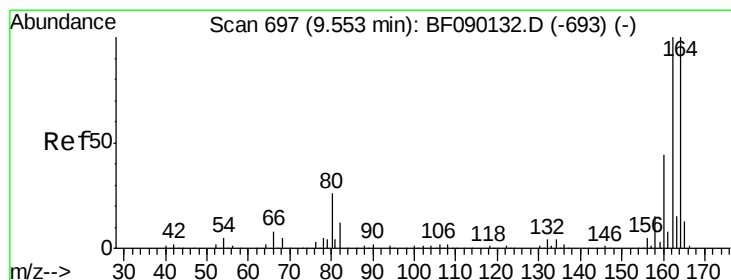
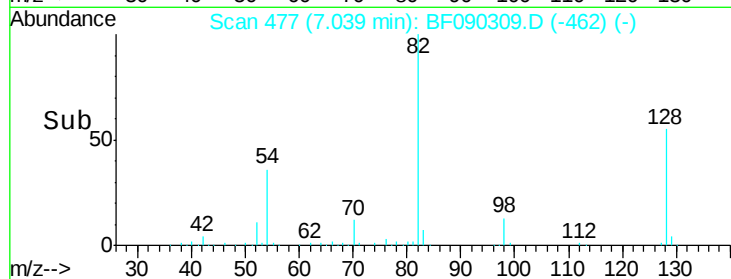
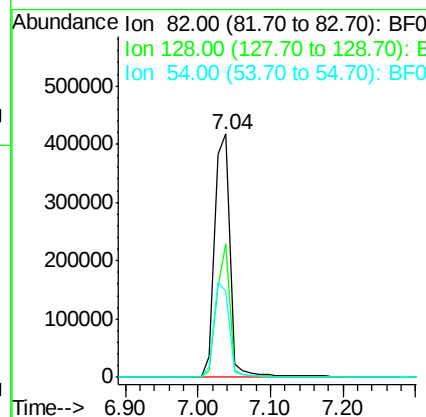
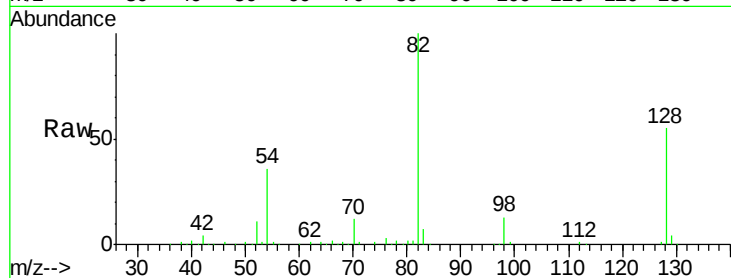




#23  
 Nitrobenzene-d5  
 Concen: 73.98 ng  
 RT: 7.04 min Scan# 477  
 Delta R.T. -0.02 min  
 Lab File: BF090309.D  
 Acq: 30 Sep 2016 2:04

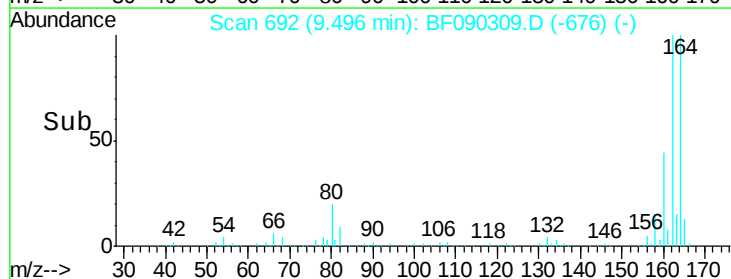
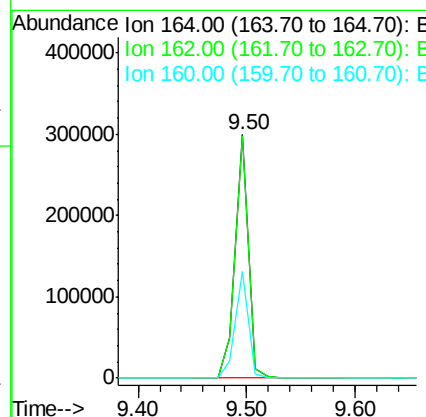
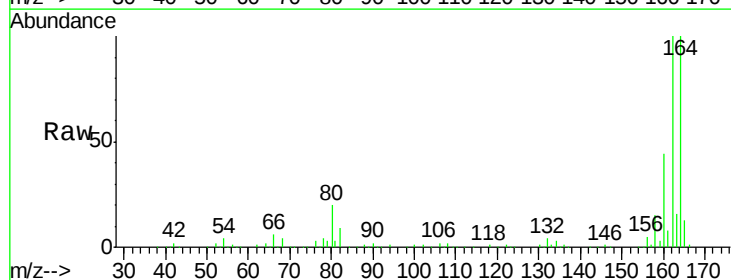
Instrument :  
 BNA\_F  
 ClientSampled :  
 COMPOSITE-5

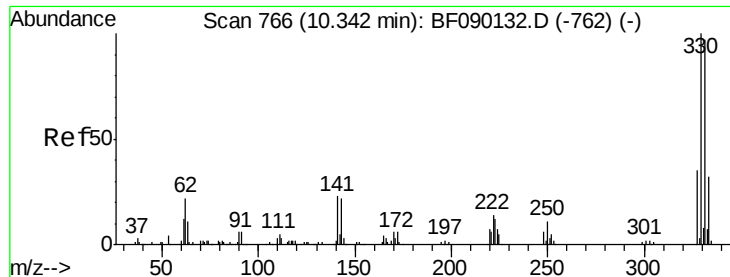
Tgt Ion: 82 Resp: 624520  
 Ion Ratio Lower Upper  
 82 100  
 128 55.0 37.5 56.3  
 54 35.5 31.9 47.9



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.50 min Scan# 692  
 Delta R.T. -0.01 min  
 Lab File: BF090309.D  
 Acq: 30 Sep 2016 2:04

Tgt Ion: 164 Resp: 250822  
 Ion Ratio Lower Upper  
 164 100  
 162 99.6 81.4 122.2  
 160 43.6 36.6 54.8

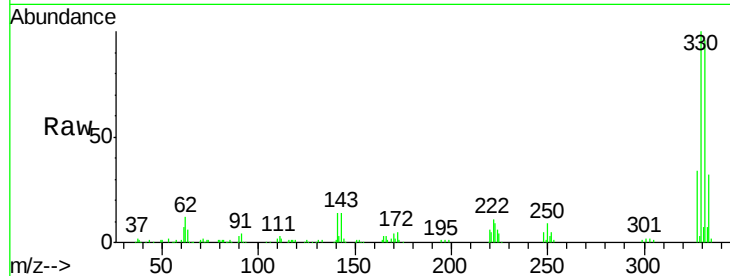




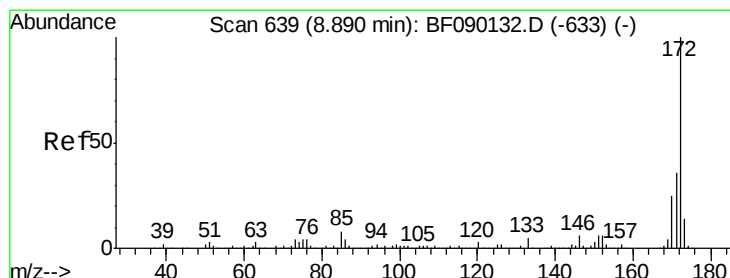
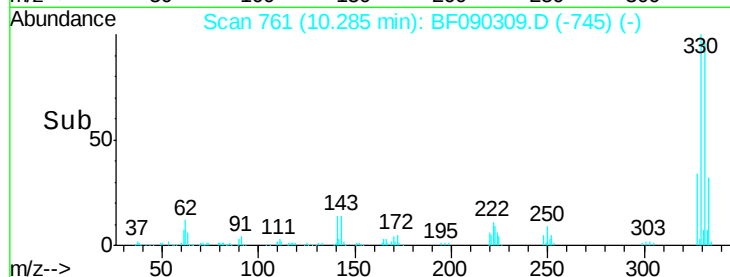
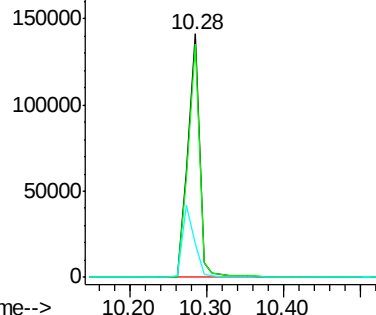
#41  
 2,4,6-Tribromophenol  
 Concen: 70.57 ng  
 RT: 10.28 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: BF090309.D  
 Acq: 30 Sep 2016 2:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 78.1  | 117.1 |
| 141     | 30.3  | 23.9  | 35.9  |

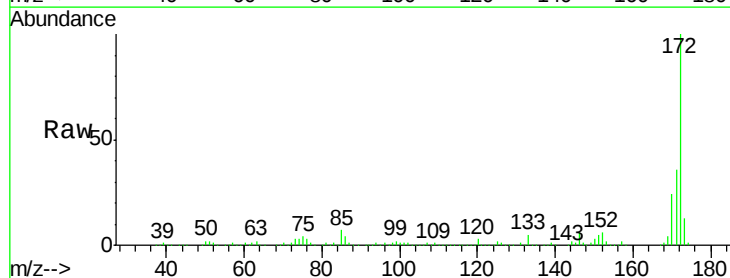


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

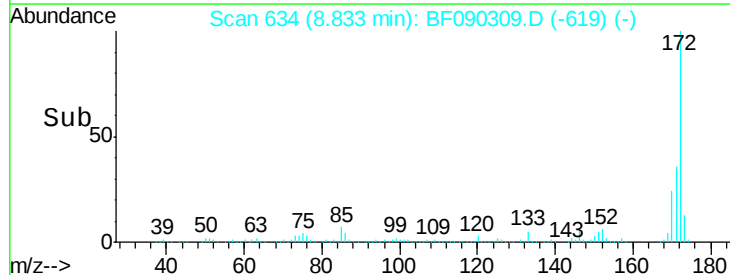
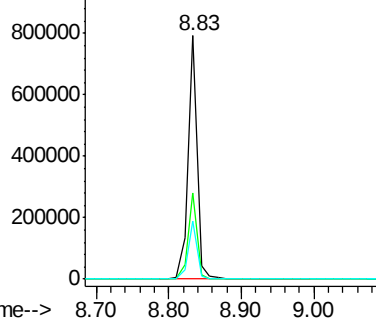


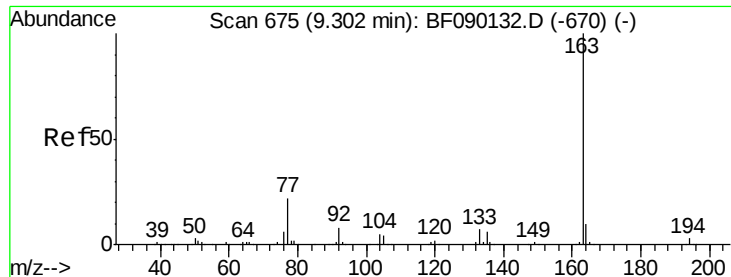
#44  
 2-Fluorobiphenyl  
 Concen: 54.01 ng  
 RT: 8.83 min Scan# 634  
 Delta R.T. -0.02 min  
 Lab File: BF090309.D  
 Acq: 30 Sep 2016 2:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.2  | 43.8  |
| 170     | 24.0  | 19.8  | 29.8  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

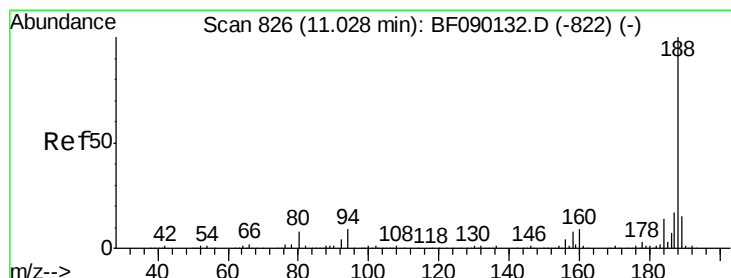
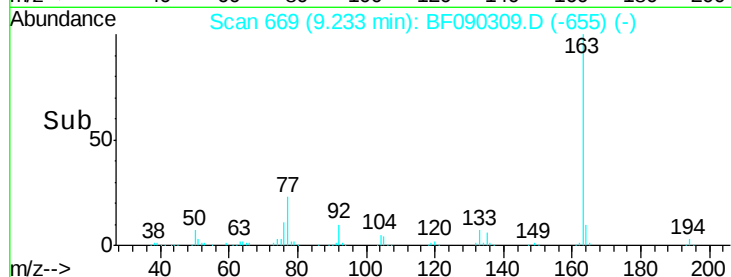
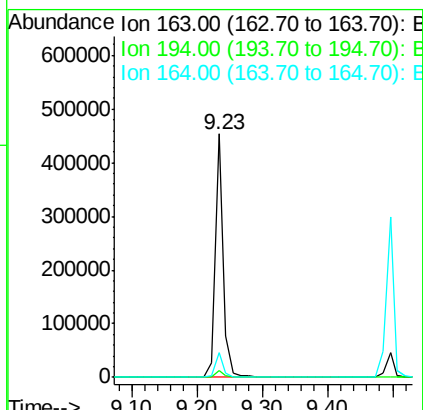
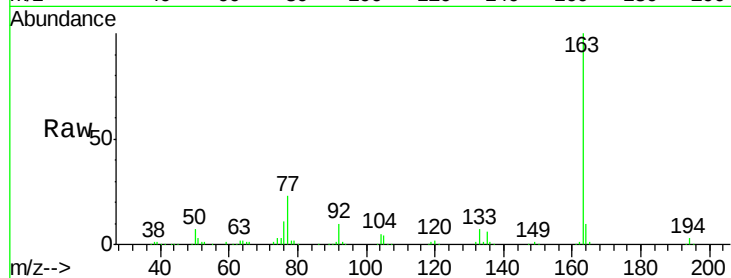




#49  
Dimethylphthalate  
Concen: 24.79 ng  
RT: 9.23 min Scan# 669  
Delta R.T. -0.03 min  
Lab File: BF090309.D  
Acq: 30 Sep 2016 2:04

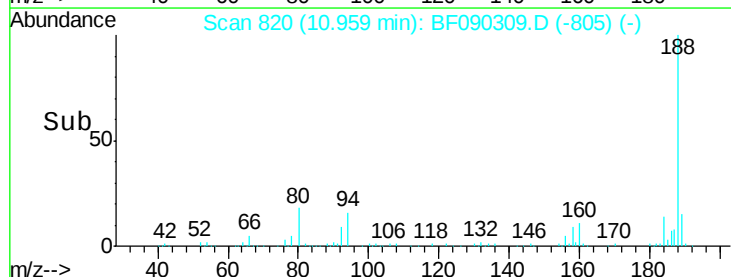
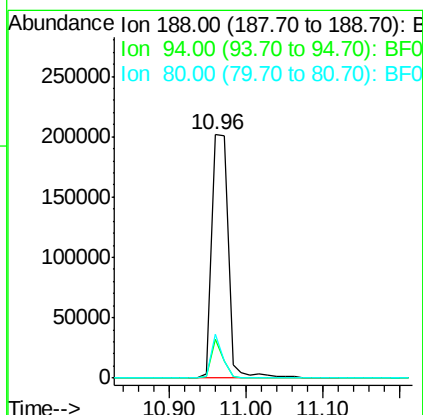
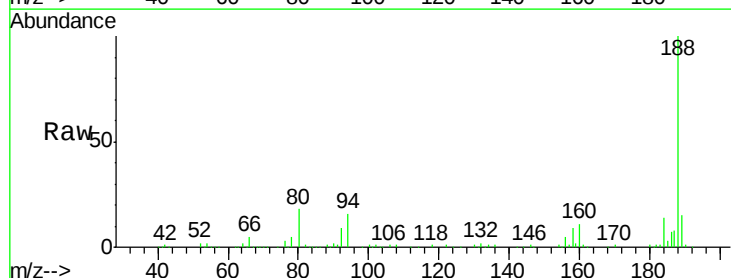
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-5

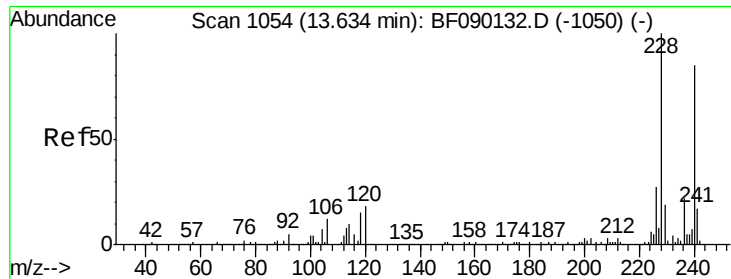
Tgt Ion:163 Resp: 396008  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.8 4.2  
164 10.3 8.1 12.1



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.96 min Scan# 820  
Delta R.T. -0.02 min  
Lab File: BF090309.D  
Acq: 30 Sep 2016 2:04

Tgt Ion:188 Resp: 299540  
Ion Ratio Lower Upper  
188 100  
94 15.7 10.5 15.7#  
80 17.9 11.2 16.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090309.D

Acq: 30 Sep 2016 2:04

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-5

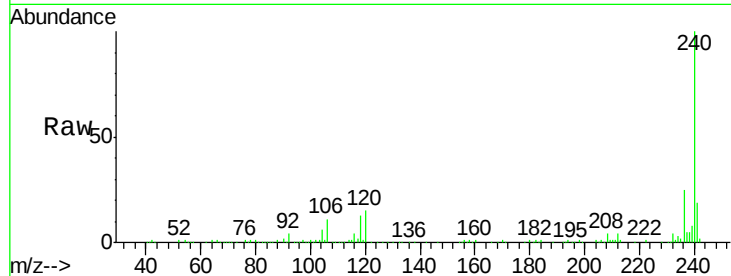
Tgt Ion:240 Resp: 240125

Ion Ratio Lower Upper

240 100

120 15.3 10.6 16.0

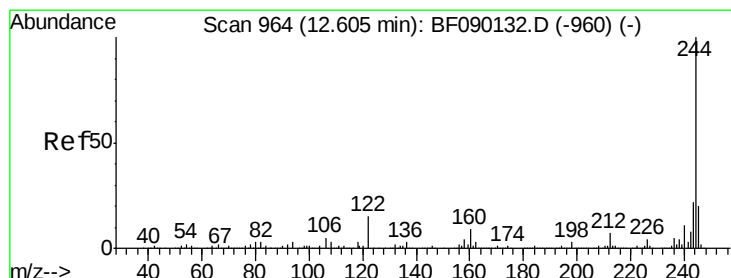
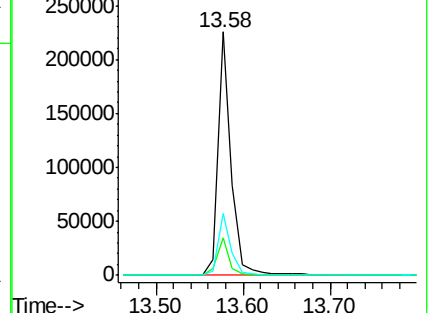
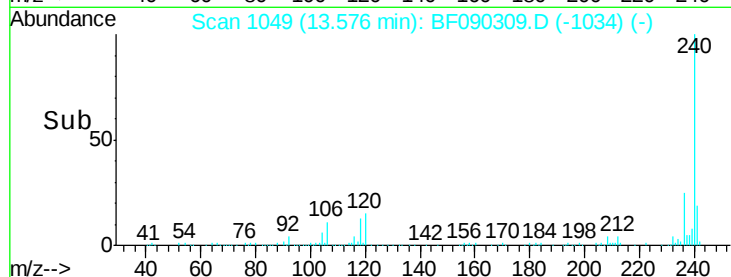
236 25.3 21.6 32.4



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: 31.78 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF090309.D

Acq: 30 Sep 2016 2:04

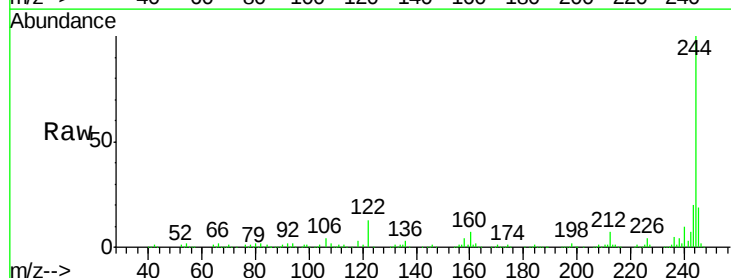
Tgt Ion:244 Resp: 300570

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

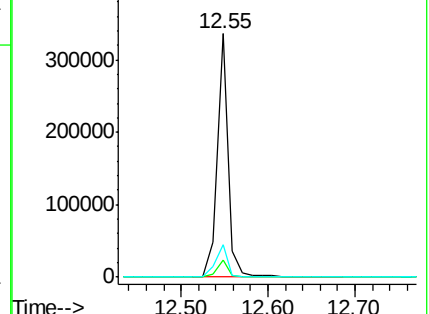
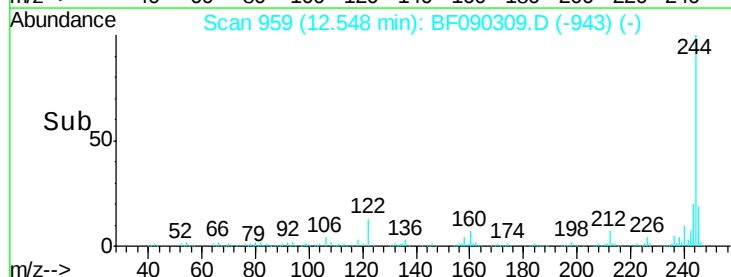
122 13.5 9.4 14.0

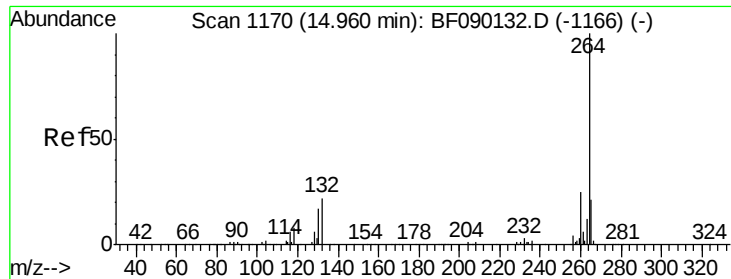


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.90 min Scan# 1165  
Delta R.T. -0.01 min  
Lab File: BF090309.D  
Acq: 30 Sep 2016 2:04

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.5  | 29.3  |
| 265     | 21.7  | 17.0  | 25.4  |

