

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090816\  
 Data File : BF090041.D  
 Acq On : 8 Sep 2016 23:08  
 Operator : UM/SJ  
 Sample : H4680-10 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BH-15-0-1FT

Quant Time: Sep 09 04:39:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 08 16:07:52 2016  
 Response via : Initial Calibration

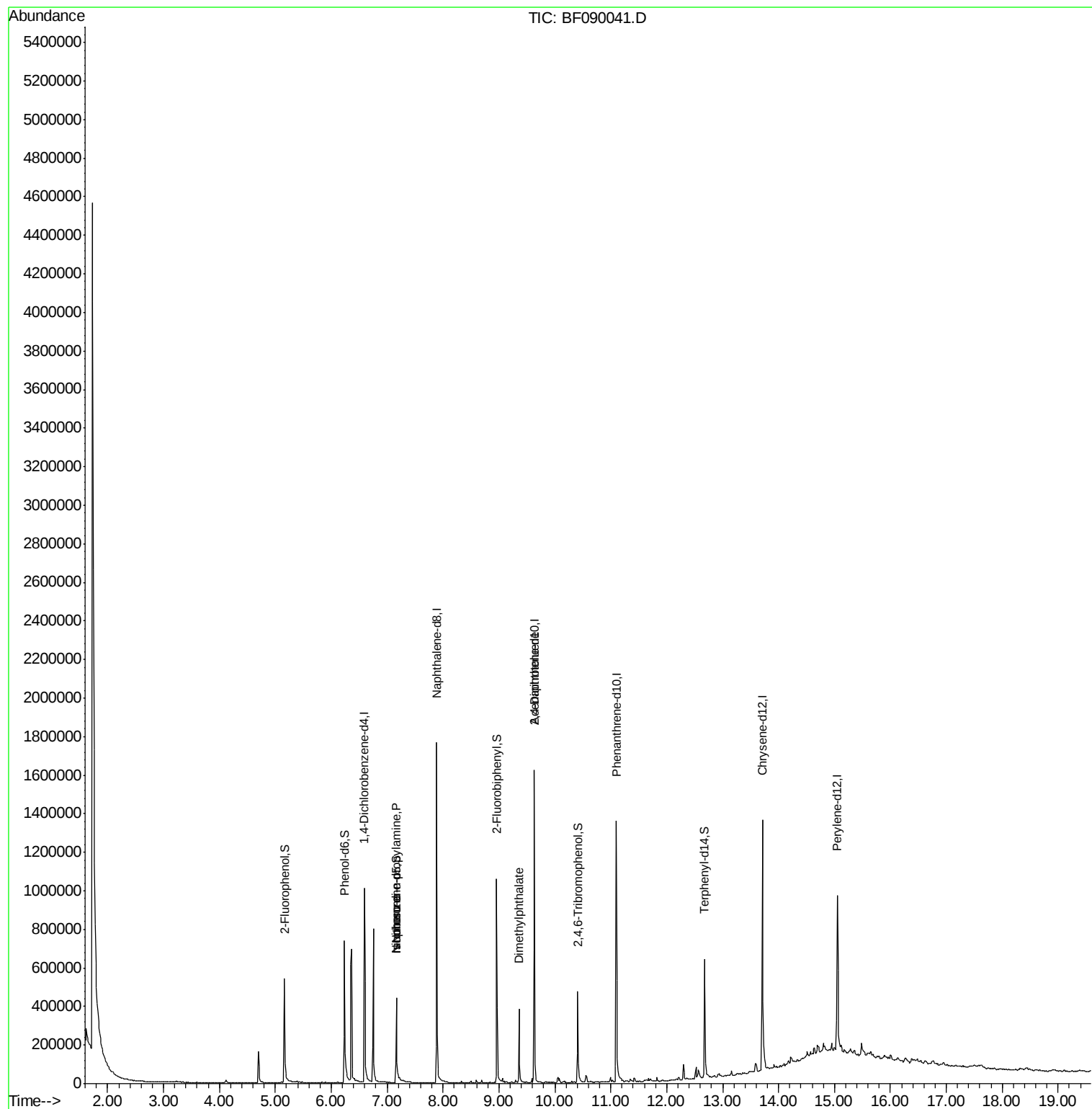
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.59  | 152  | 204807   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.88  | 136  | 851917   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.63  | 164  | 393124   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.10 | 188  | 640500   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 13.71 | 240  | 525094   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 15.05 | 264  | 405544   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.16  | 112  | 272841   | 21.32 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.24  | 99   | 362891   | 23.34 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.16  | 82   | 201892   | 13.74 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.41 | 330  | 73435    | 18.93 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.96  | 172  | 423854   | 17.70 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.67 | 244  | 307157   | 14.45 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.16  | 70   | 24883    | 2.46  | ng    | # 79     |
| 25) Isophorone                 | 7.16  | 82   | 169057   | 5.66  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.36  | 163  | 169740   | 5.97  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.63  | 165  | 49418    | 6.17  | ng    | # 29     |

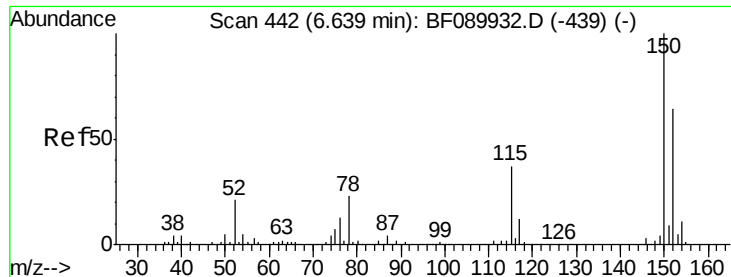
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BH-15-0-1FT

Quant Time: Sep 09 04:39:45 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 08 16:07:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

Instrument :

BNA\_F

ClientSampleId :

BH-15-0-1FT

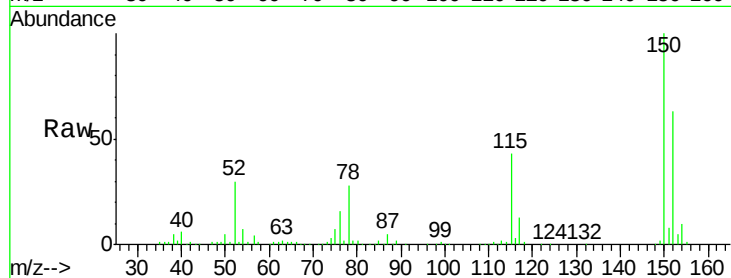
Tgt Ion:152 Resp: 204807

Ion Ratio Lower Upper

152 100

150 158.1 127.4 191.2

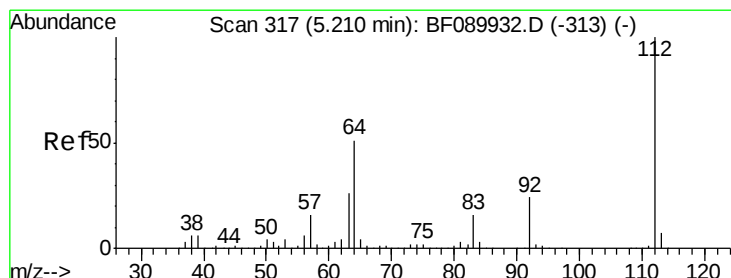
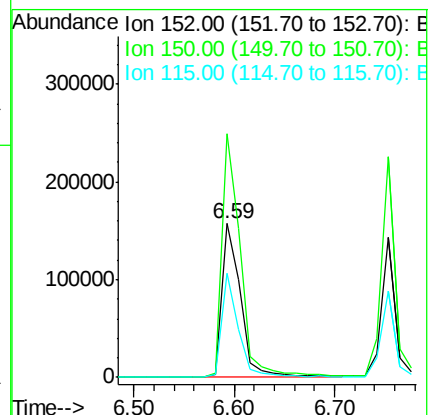
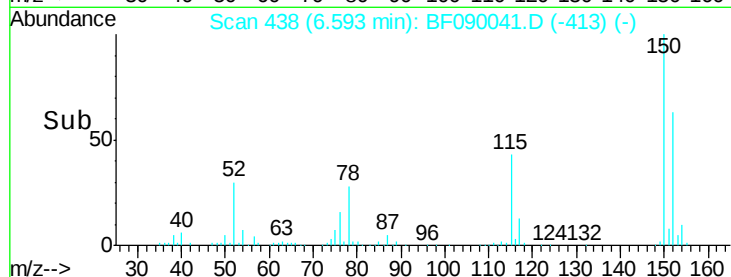
115 67.3 46.3 69.5



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: 21.32 ng

RT: 5.16 min Scan# 313

Delta R.T. 0.00 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

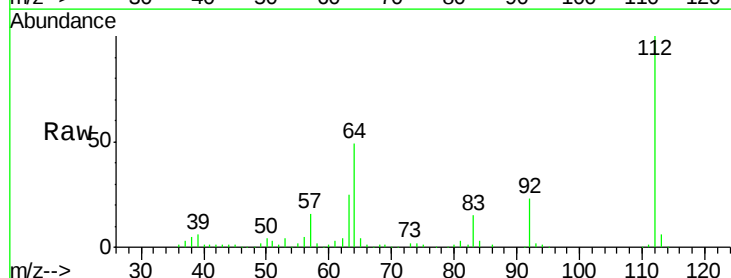
Tgt Ion:112 Resp: 272841

Ion Ratio Lower Upper

112 100

64 49.0 41.1 61.7

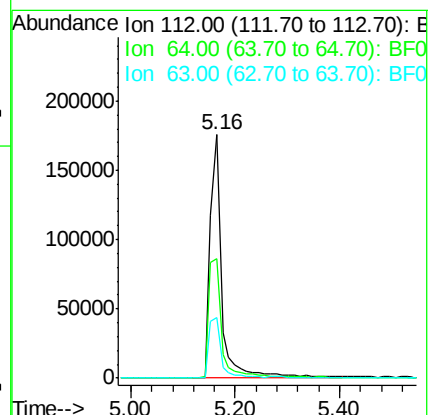
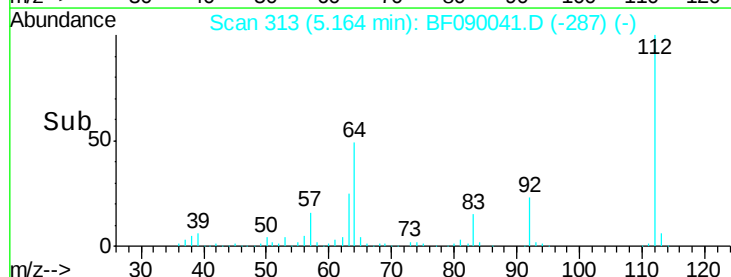
63 25.0 21.2 31.8

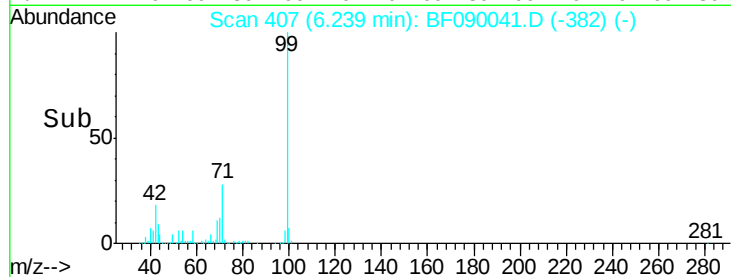
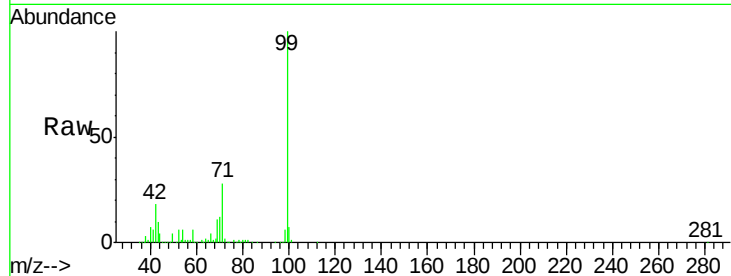
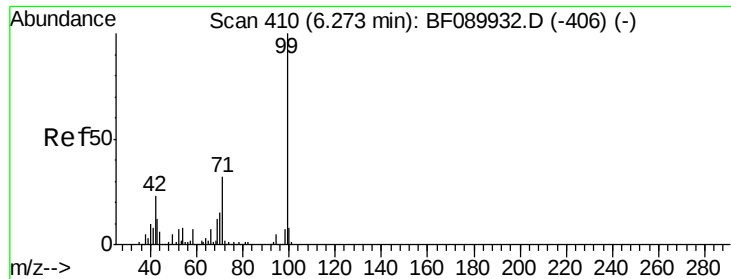


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.34 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

Instrument :

BNA\_F

ClientSampleId :

BH-15-0-1FT

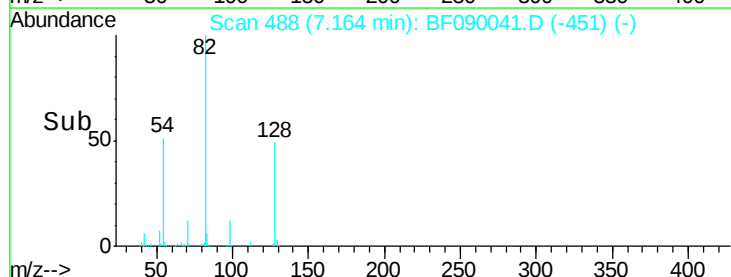
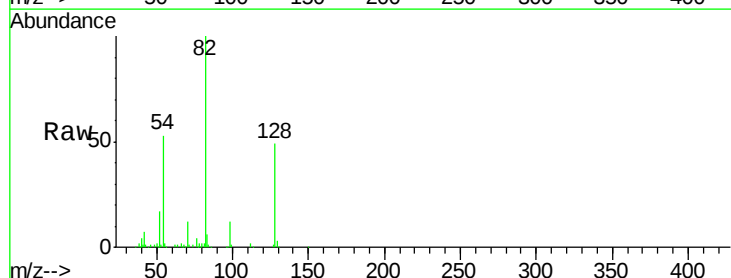
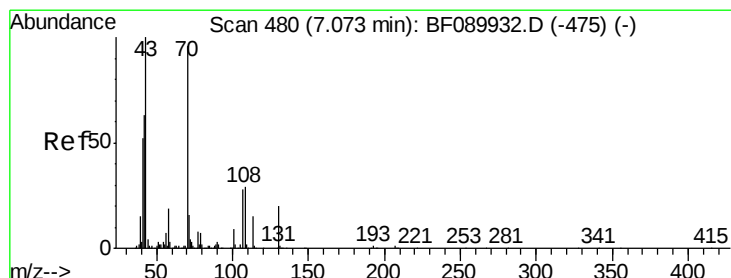
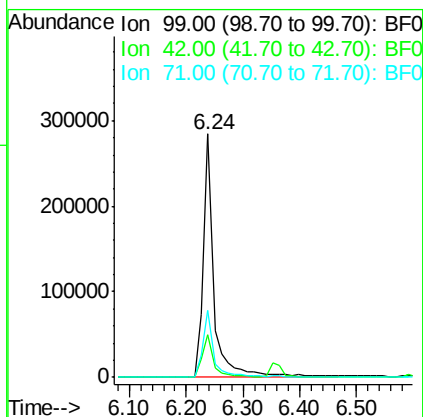
Tgt Ion: 99 Resp: 362891

Ion Ratio Lower Upper

99 100

42 17.7 18.6 27.8#

71 27.5 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.46 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

Tgt Ion: 70 Resp: 24883

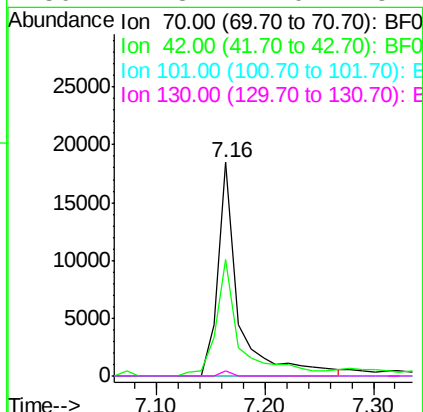
Ion Ratio Lower Upper

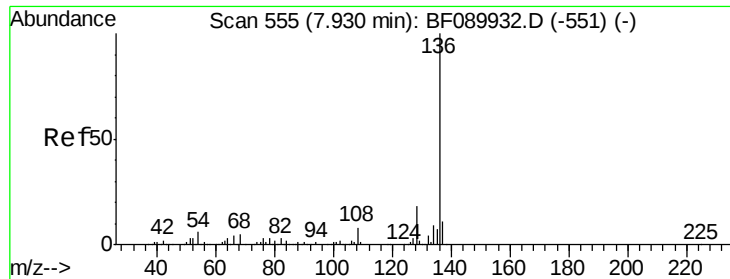
70 100

42 54.3 52.1 78.1

101 0.0 7.4 11.2#

130 2.3 17.0 25.4#

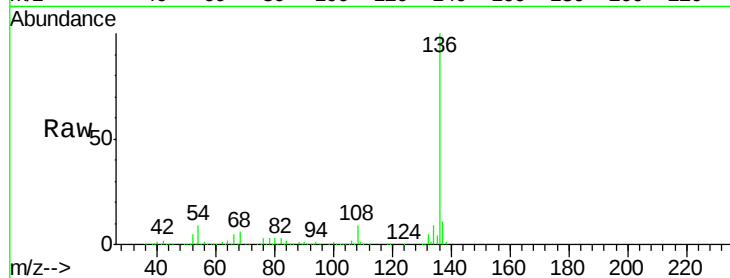




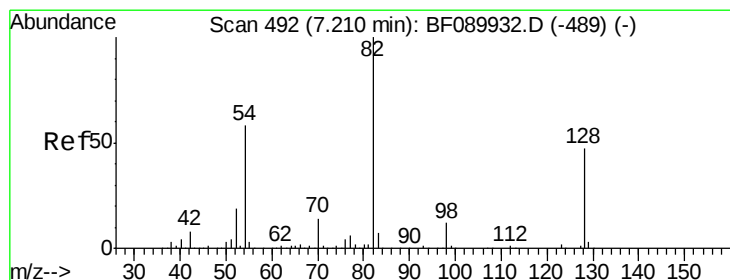
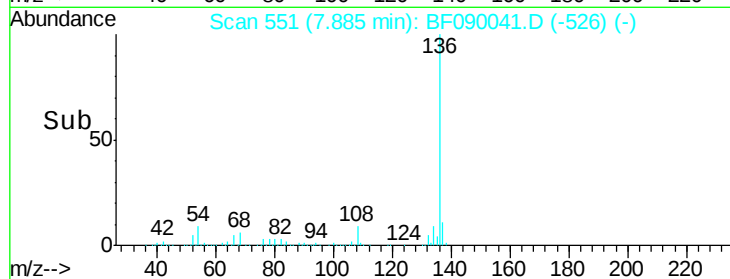
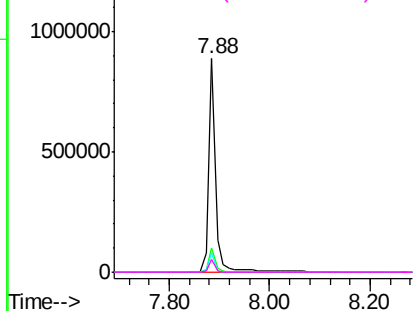
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.88 min Scan# 551  
Delta R.T. -0.01 min  
Lab File: BF090041.D  
Acq: 8 Sep 2016 23:08

Instrument :  
BNA\_F  
ClientSampleId :  
BH-15-0-1FT

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 851917 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.3   | 12.5   |
| 54       | 8.9   | 4.8   | 7.2#   |
| 68       | 6.0   | 3.7   | 5.5#   |

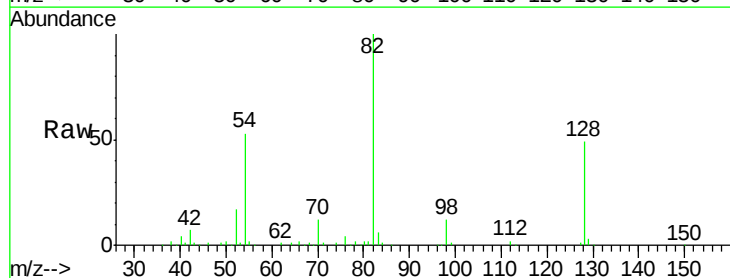


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

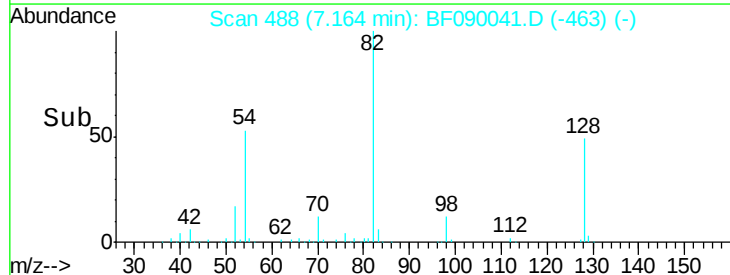
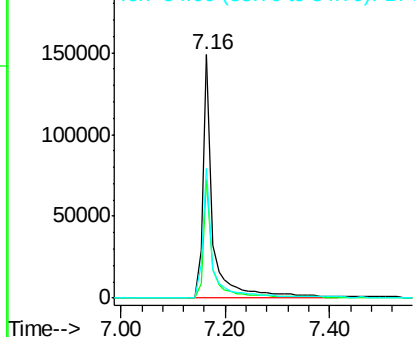


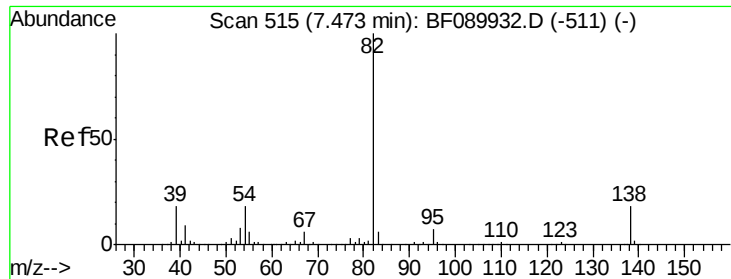
#23  
Nitrobenzene-d5  
Concen: 13.74 ng  
RT: 7.16 min Scan# 488  
Delta R.T. -0.01 min  
Lab File: BF090041.D  
Acq: 8 Sep 2016 23:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 201892 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 48.6  | 37.8  | 56.8   |
| 54       | 53.5  | 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





#25

Isophorone

Concen: 5.66 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

Instrument :

BNA\_F

ClientSampleId :

BH-15-0-1FT

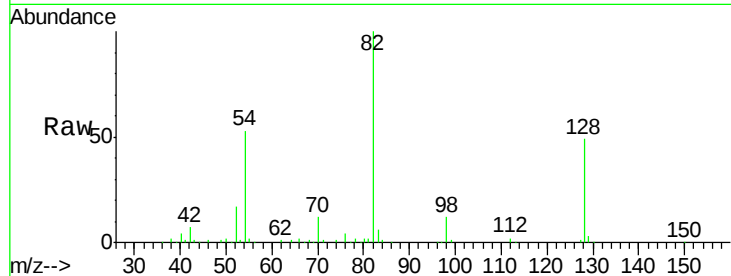
Tgt Ion: 82 Resp: 169057

Ion Ratio Lower Upper

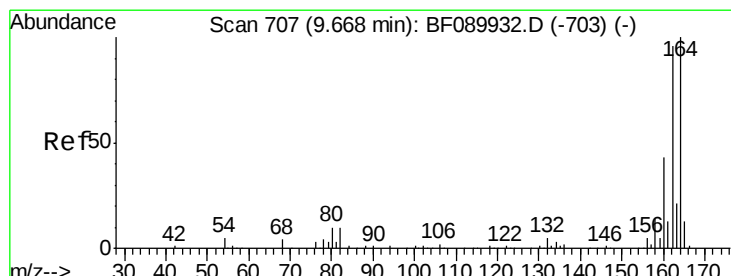
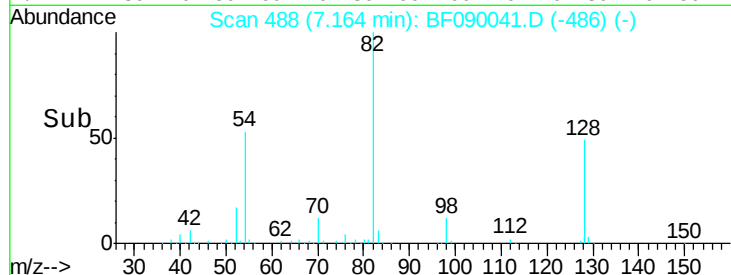
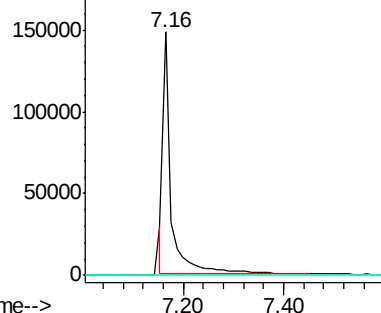
82 100

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: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

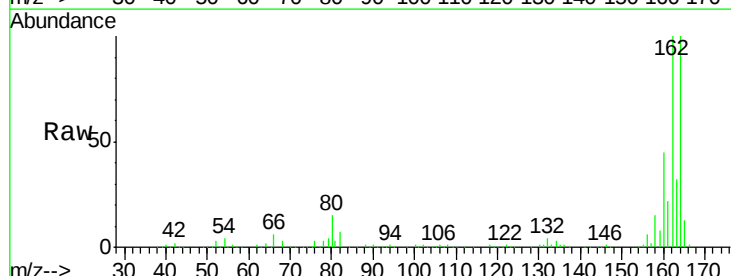
Tgt Ion: 164 Resp: 393124

Ion Ratio Lower Upper

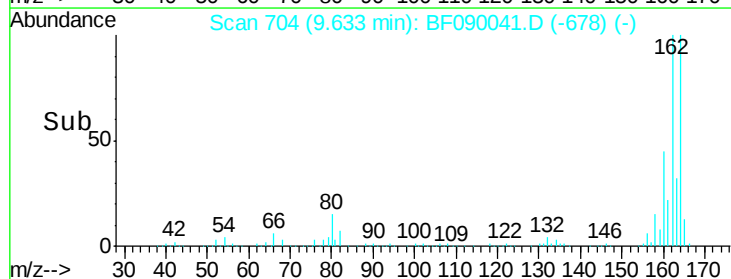
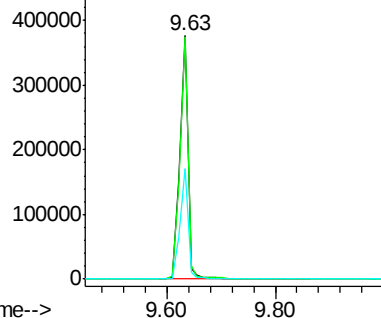
164 100

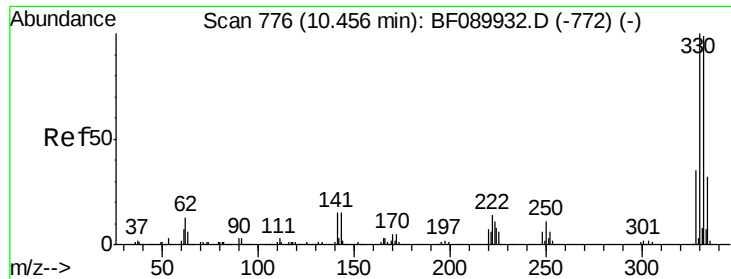
162 99.5 77.1 115.7

160 45.2 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

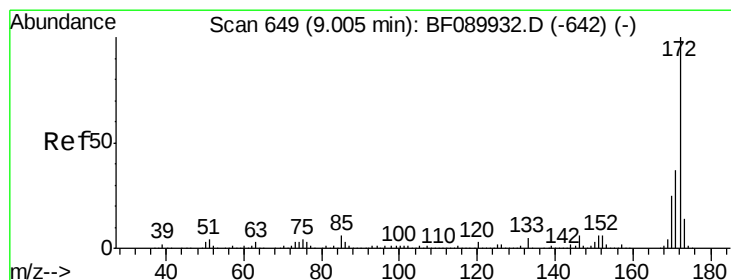
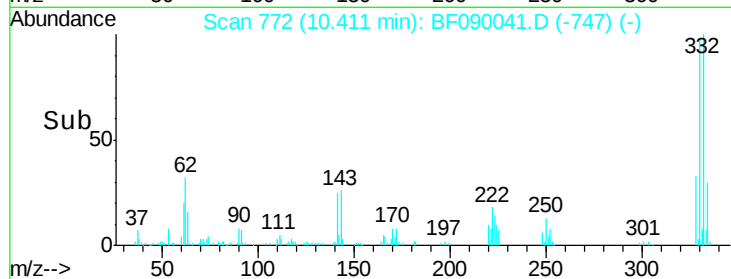
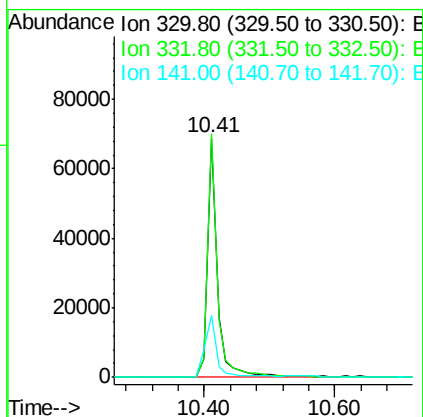
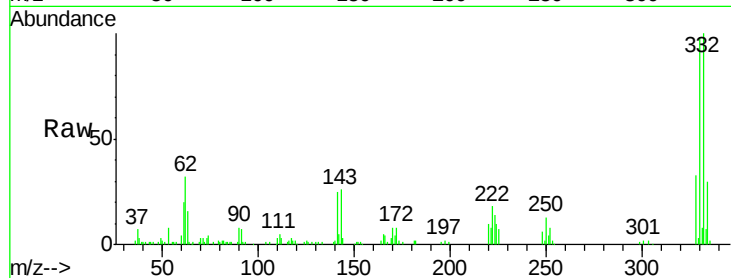




#41  
 2,4,6-Tribromophenol  
 Concen: 18.93 ng  
 RT: 10.41 min Scan# 772  
 Delta R.T. -0.01 min  
 Lab File: BF090041.D  
 Acq: 8 Sep 2016 23:08

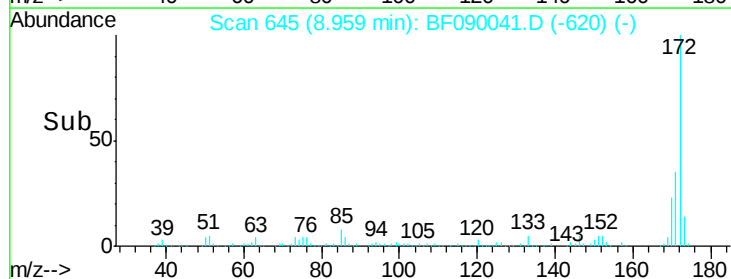
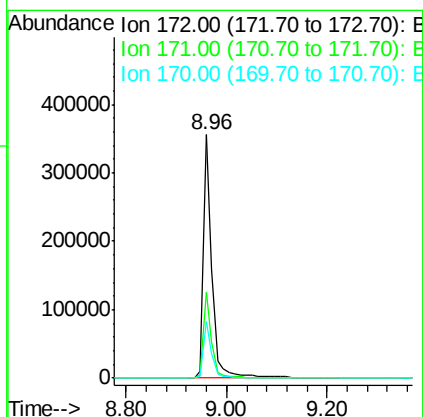
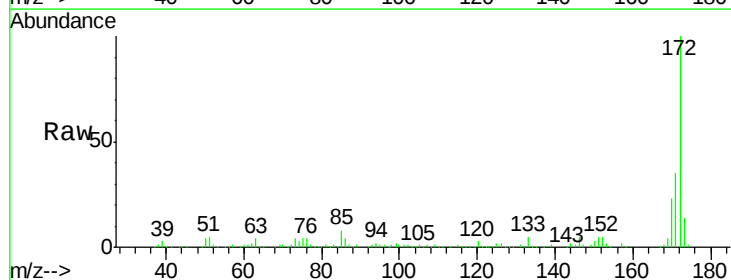
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BH-15-0-1FT

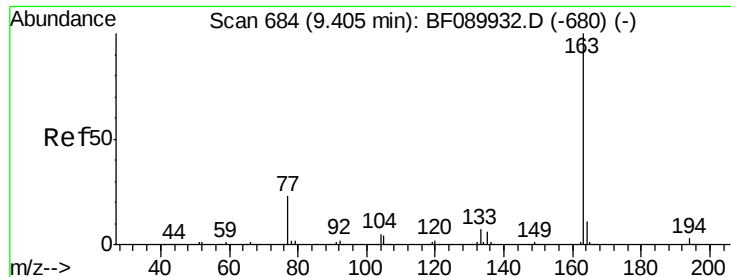
Tgt Ion:330 Resp: 73435  
 Ion Ratio Lower Upper  
 330 100  
 332 100.7 78.6 117.8  
 141 31.0 23.3 34.9



#44  
 2-Fluorobiphenyl  
 Concen: 17.70 ng  
 RT: 8.96 min Scan# 645  
 Delta R.T. -0.01 min  
 Lab File: BF090041.D  
 Acq: 8 Sep 2016 23:08

Tgt Ion:172 Resp: 423854  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.4 44.2  
 170 23.2 20.1 30.1





#49

Dimethylphthalate

Concen: 5.97 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

Instrument :

BNA\_F

ClientSampleId :

BH-15-0-1FT

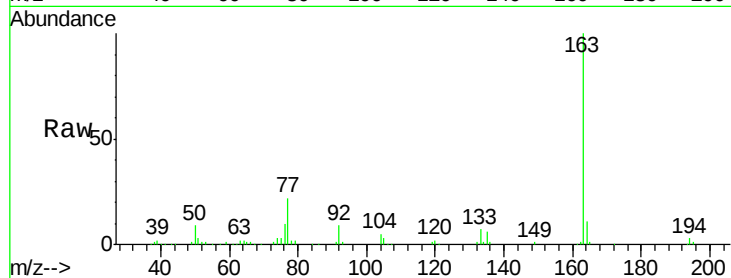
Tgt Ion:163 Resp: 169740

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

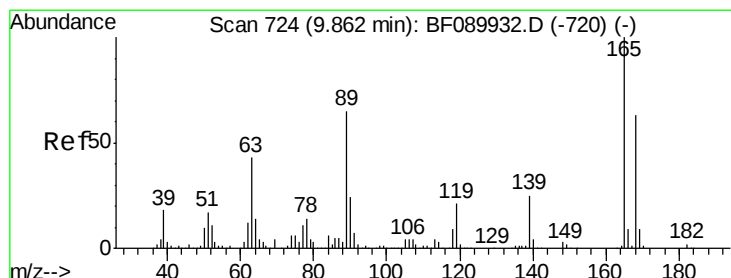
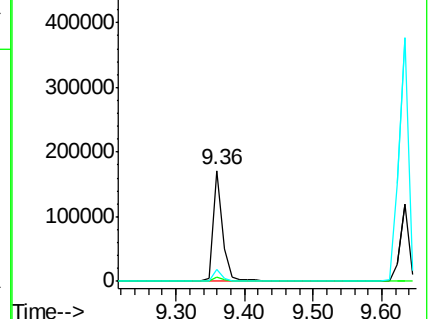
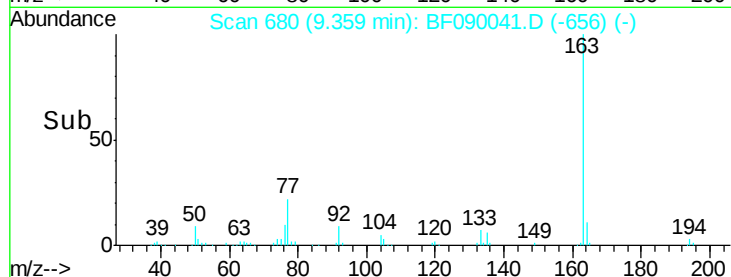
164 10.7 9.0 13.4



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



#56

2,4-Dinitrotoluene

Concen: 6.17 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.19 min

Lab File: BF090041.D

Acq: 8 Sep 2016 23:08

Tgt Ion:165 Resp: 49418

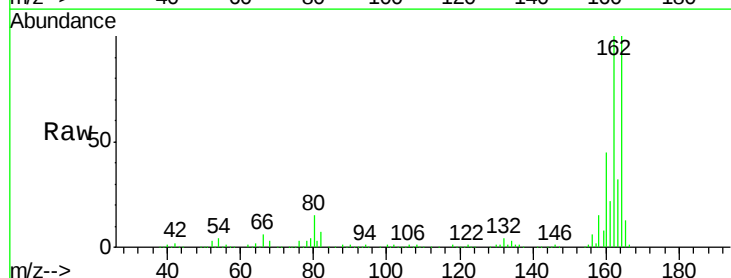
Ion Ratio Lower Upper

165 100

63 1.2 32.5 48.7#

89 1.1 48.3 72.5#

182 0.0 1.7 2.5#

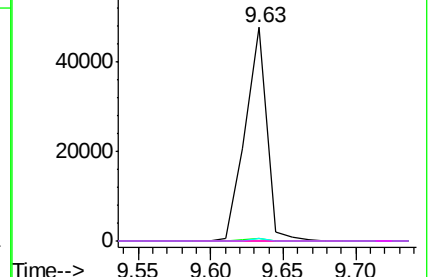
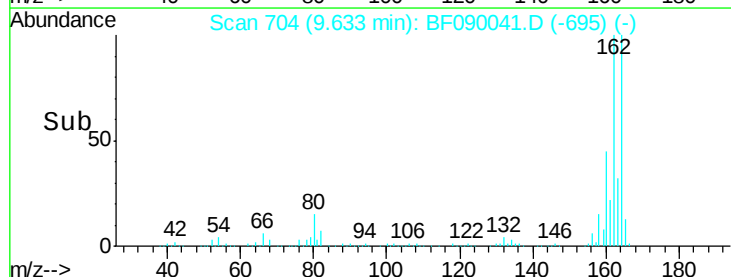


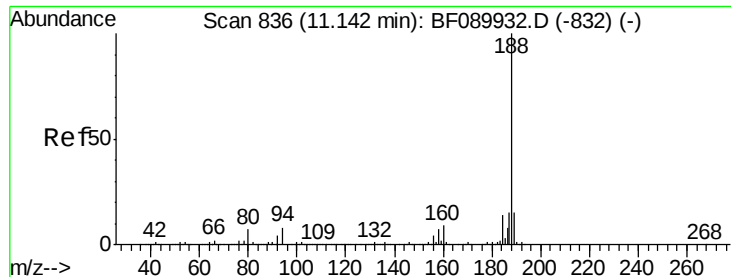
Abundance Ion 165.00 (164.70 to 165.70): E

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

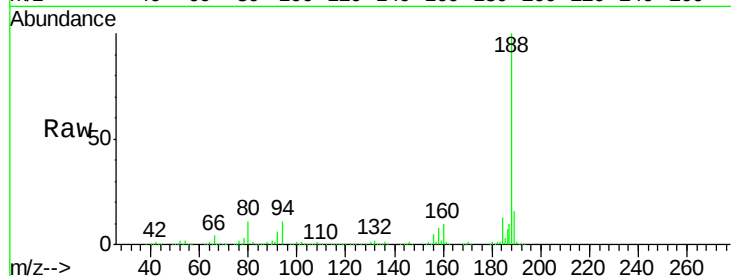




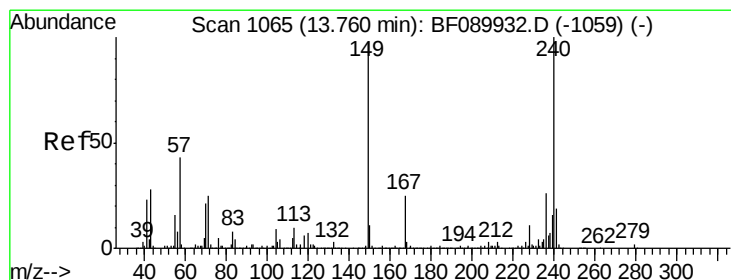
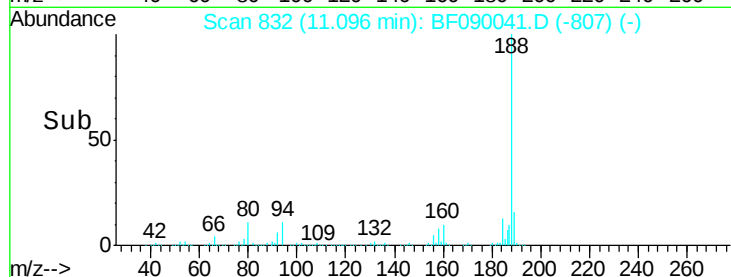
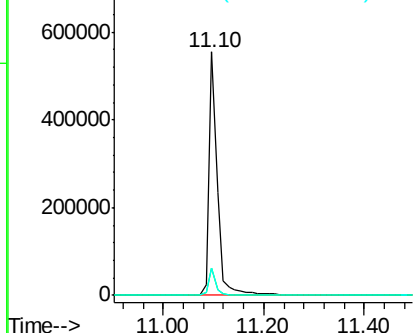
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.10 min Scan# 832  
Delta R.T. -0.01 min  
Lab File: BF090041.D  
Acq: 8 Sep 2016 23:08

Instrument :  
BNA\_F  
ClientSampleId :  
BH-15-0-1FT

Tgt Ion:188 Resp: 640500  
Ion Ratio Lower Upper  
188 100  
94 11.0 5.9 8.9#  
80 11.0 5.8 8.8#

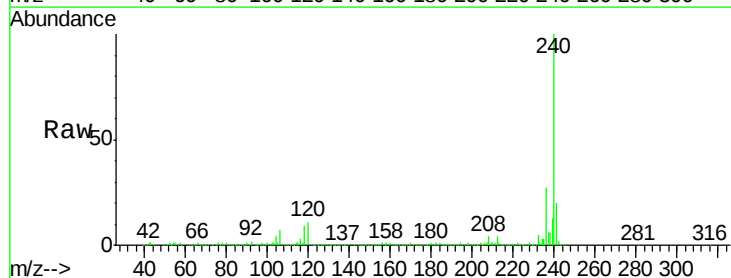


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

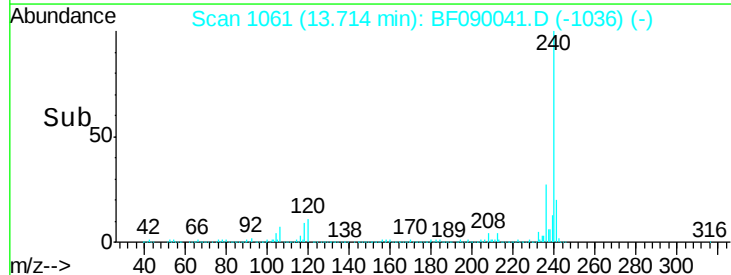
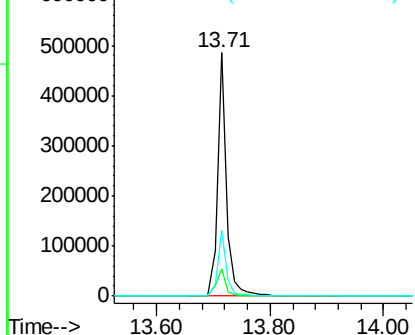


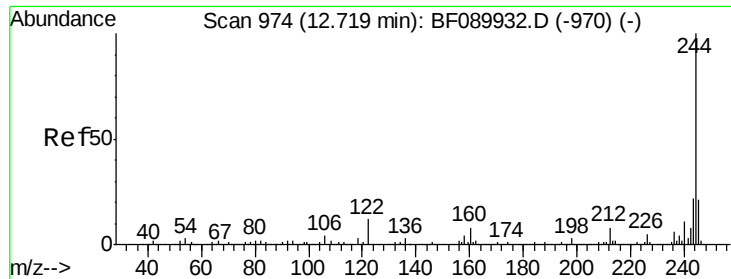
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.71 min Scan# 1061  
Delta R.T. -0.01 min  
Lab File: BF090041.D  
Acq: 8 Sep 2016 23:08

Tgt Ion:240 Resp: 525094  
Ion Ratio Lower Upper  
240 100  
120 11.1 5.7 8.5#  
236 26.8 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

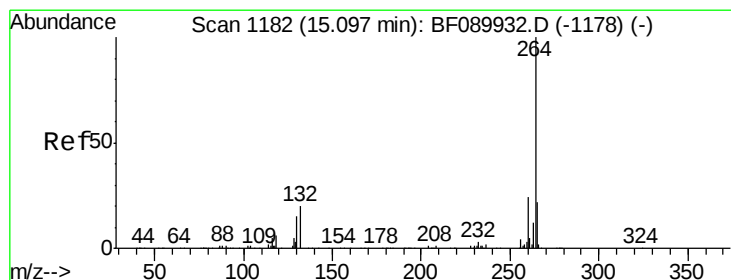
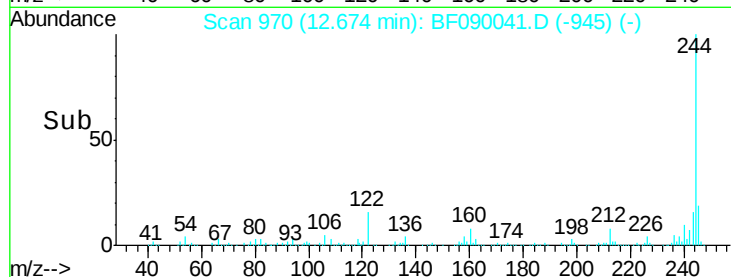
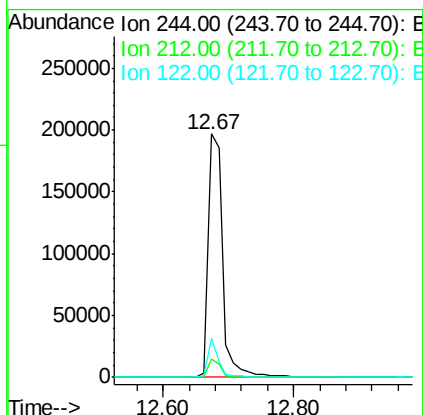
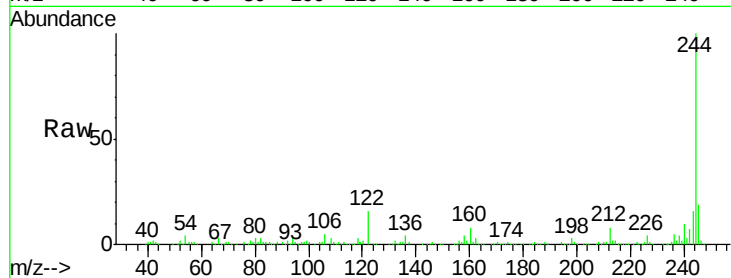




#78  
 Terphenyl-d14  
 Concen: 14.45 ng  
 RT: 12.67 min Scan# 970  
 Delta R.T. -0.01 min  
 Lab File: BF090041.D  
 Acq: 8 Sep 2016 23:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BH-15-0-1FT

Tgt Ion:244 Resp: 307157  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.1 9.1  
 122 16.2 9.6 14.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF090041.D  
 Acq: 8 Sep 2016 23:08

Tgt Ion:264 Resp: 405544  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.4 29.0  
 265 21.6 17.4 26.2

