

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\  
 Data File : BF089182.D  
 Acq On : 21 Jul 2016 16:12  
 Operator : UM/SJ  
 Sample : H4112-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-04-12.0-14.0

## Manual Integrations

umangi  
 7/22/2016 6:23:06 PM

Quant Time: Jul 22 12:08:10 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 19:03:15 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.60  | 152  | 35231    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.88  | 136  | 150281   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.63  | 164  | 60292    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.11 | 188  | 95396    | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.73 | 240  | 71073    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.07 | 264  | 60386    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.19  | 112  | 303016   | 130.81 | ng    | 0.00     |
| 7) Phenol-d6                | 6.26  | 99   | 429150   | 143.66 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.18  | 82   | 240526   | 85.04  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 54304    | 100.04 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.97  | 172  | 378225   | 86.43  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.68 | 244  | 264910   | 80.84  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 37) 2-Methylnaphthalene     | 8.59  | 142  | 67544m   | 13.06  | ng    | Qvalue   |
| 49) Dimethylphthalate       | 9.36  | 163  | 93744    | 20.26  | ng    | 98       |

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

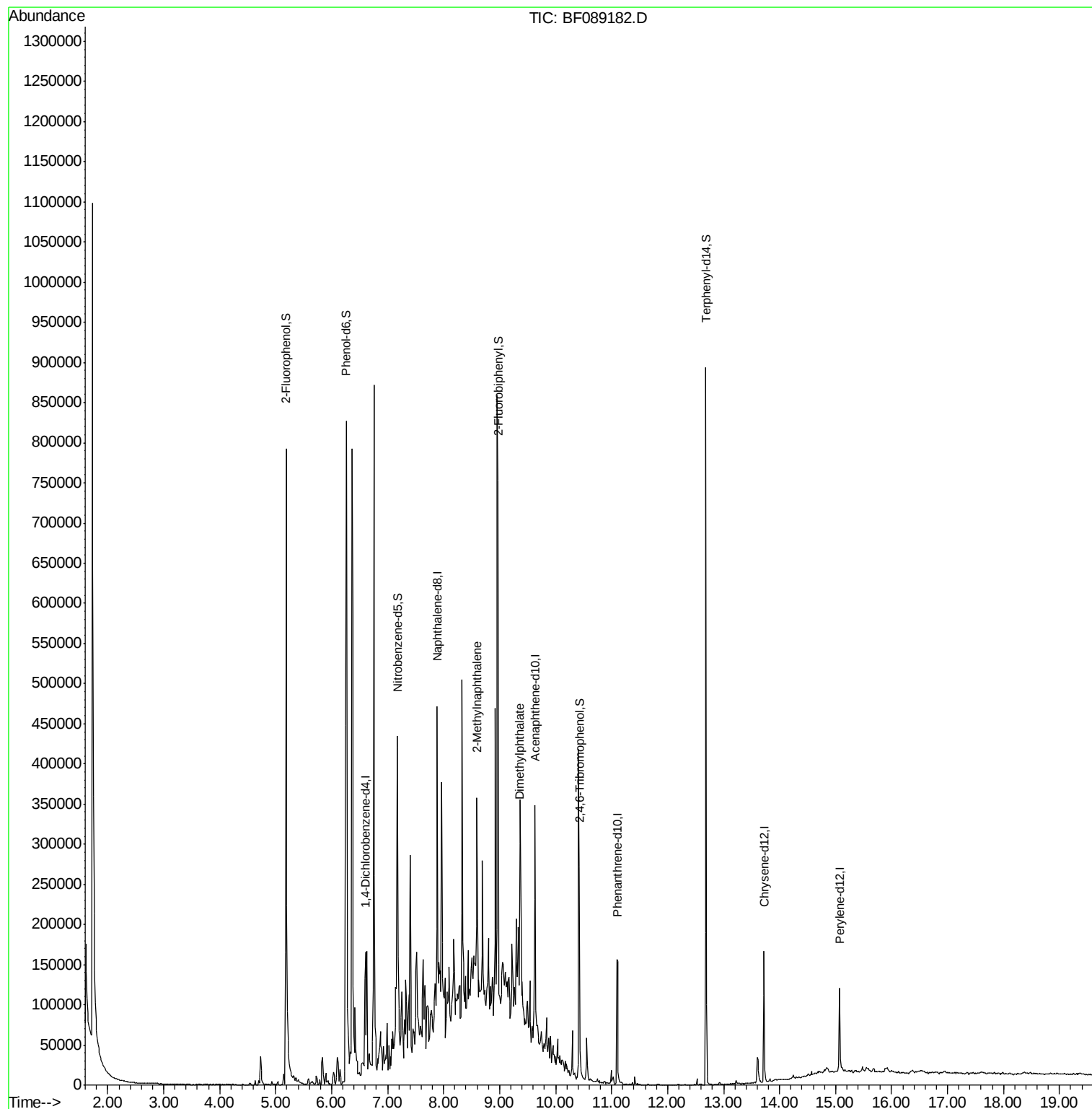
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\  
Data File : BF089182.D  
Acq On : 21 Jul 2016 16:12  
Operator : UM/SJ  
Sample : H4112-06  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

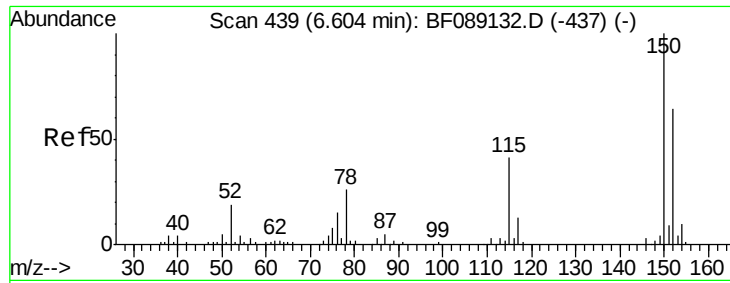
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-04-12.0-14.0

## Manual Integrations

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Quant Time: Jul 22 12:08:10 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 20 19:03:15 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089182.D

Acq: 21 Jul 2016 16:12

Instrument :

BNA\_F

ClientSampleId :

KSB-04-12.0-14.0

Tot Ion:152 Resp: 35231

Ion Ratio Lower Upper

152 100

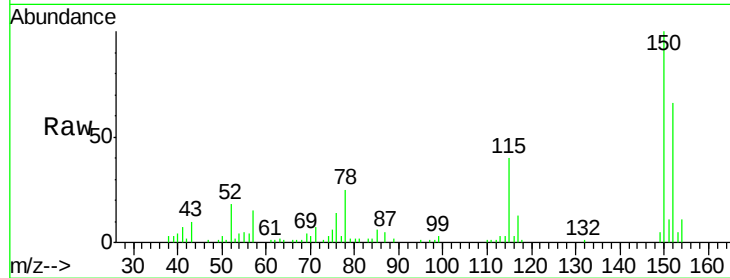
150 152.2 125.1 187.7

115 60.6 51.1 76.7

Manual Integrations

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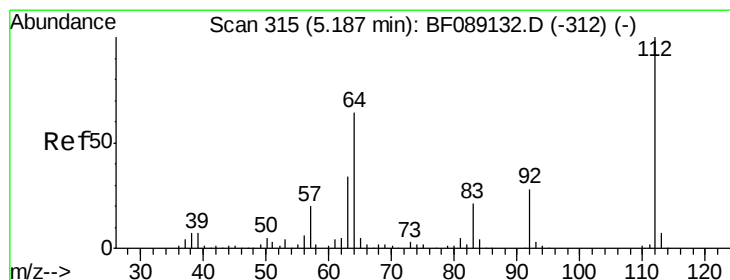
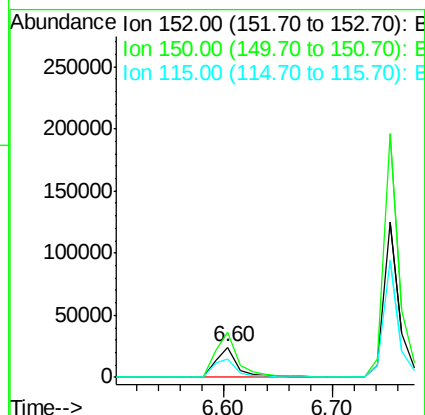
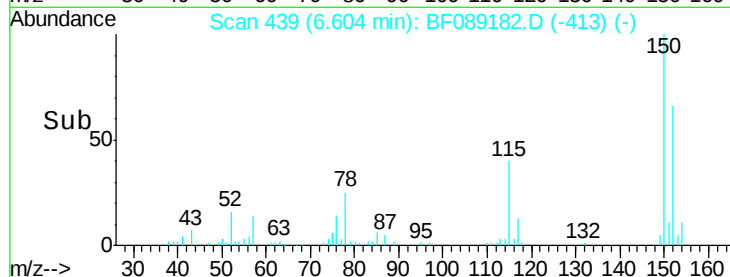
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 130.81 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF089182.D

Acq: 21 Jul 2016 16:12

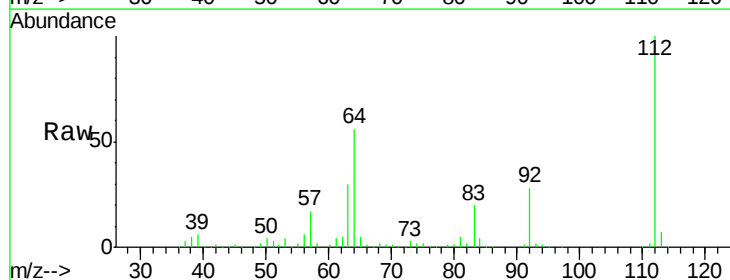
Tgt Ion:112 Resp: 303016

Ion Ratio Lower Upper

112 100

64 56.5 51.0 76.4

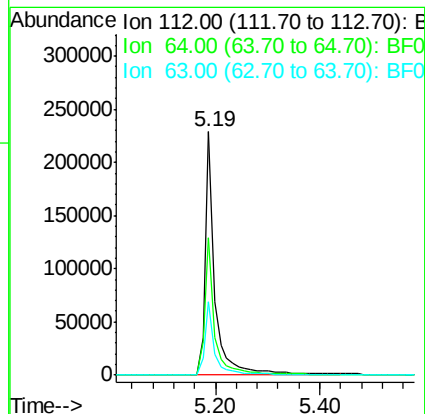
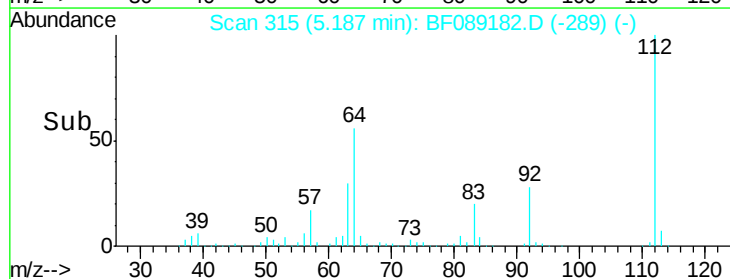
63 30.2 27.3 40.9

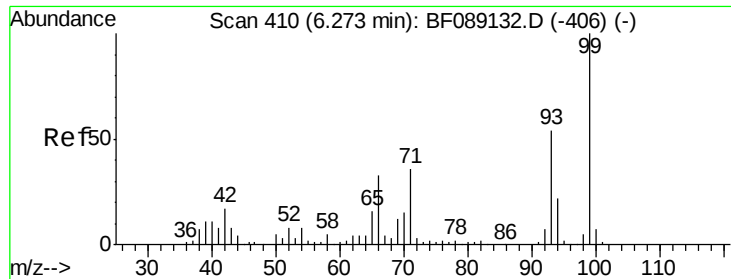


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.66 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089182.D

Acq: 21 Jul 2016 16:12

Instrument :

BNA\_F

ClientSampleId :

KSB-04-12.0-14.0

Tot Ion: 99 Resp: 429150

Ion Ratio Lower Upper

99 100

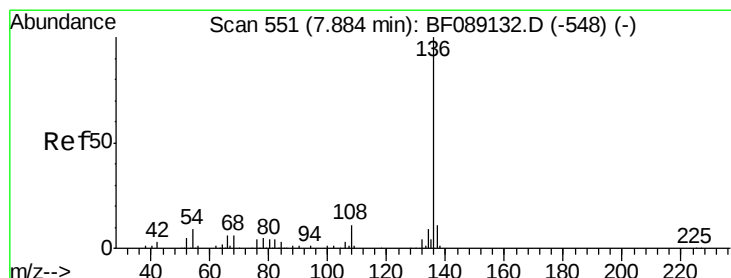
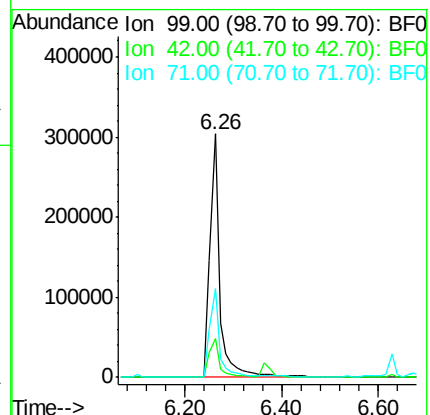
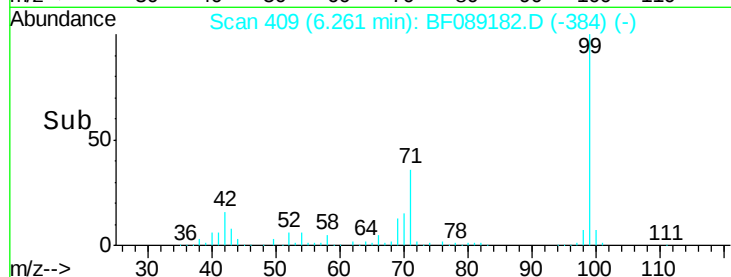
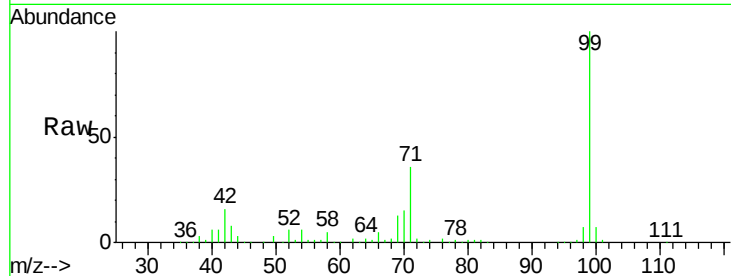
42 15.9 13.5 20.3

71 36.3 28.9 43.3

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF089182.D

Acq: 21 Jul 2016 16:12

Tgt Ion: 136 Resp: 150281

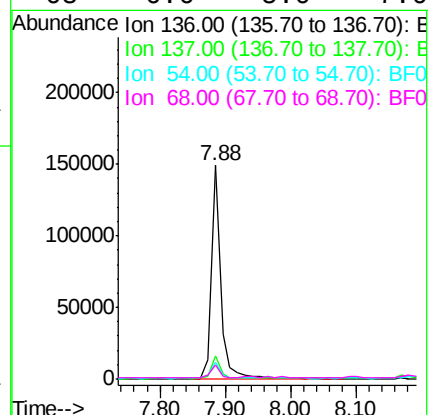
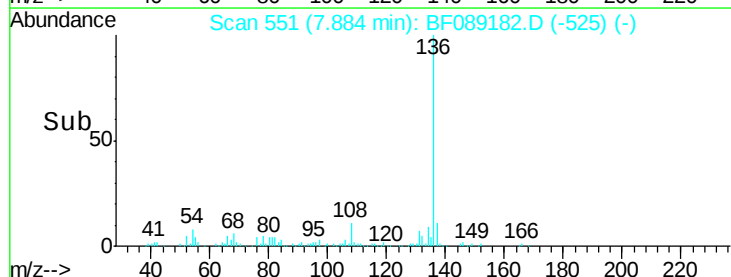
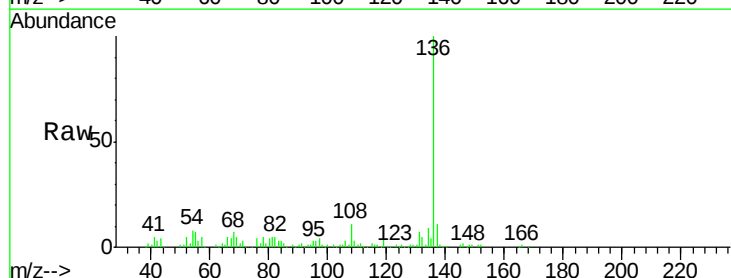
Ion Ratio Lower Upper

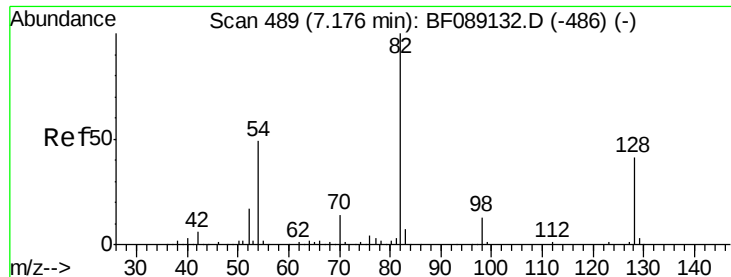
136 100

137 10.9 8.8 13.2

54 7.9 7.0 10.4

68 6.6 5.0 7.6





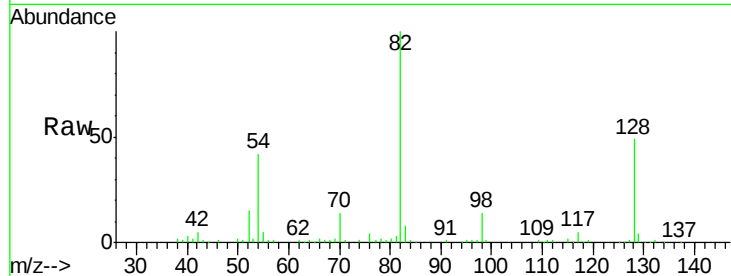
#23  
 Nitrobenzene-d5  
 Concen: 85.04 ng  
 RT: 7.18 min Scan# 489  
 Delta R.T. 0.00 min  
 Lab File: BF089182.D  
 Acq: 21 Jul 2016 16:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-04-12.0-14.0

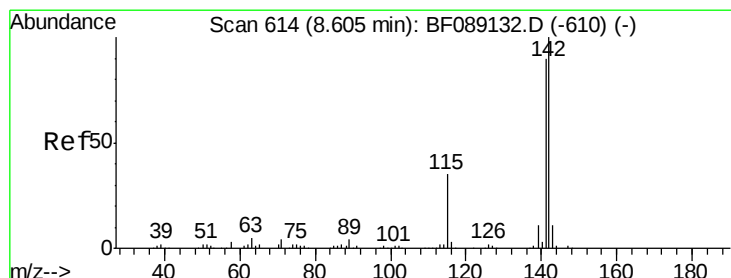
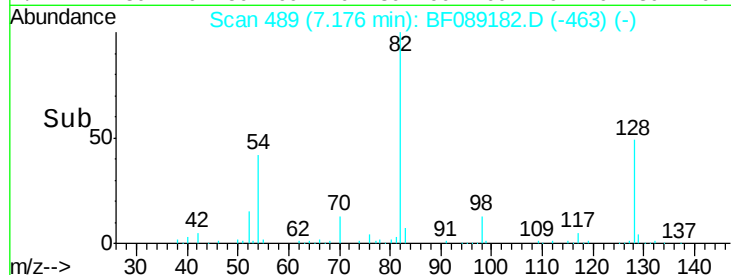
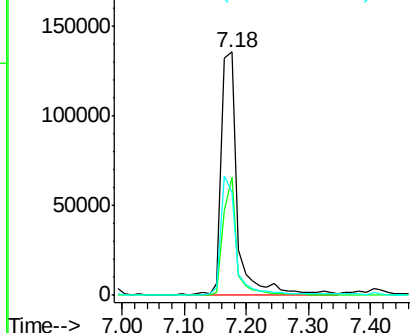
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 240526 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.6  | 33.0  | 49.6   |
| 54        | 42.4  | 39.0  | 58.4   |

Manual Integrations

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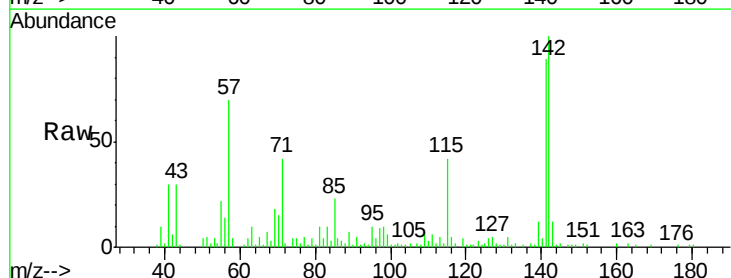


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

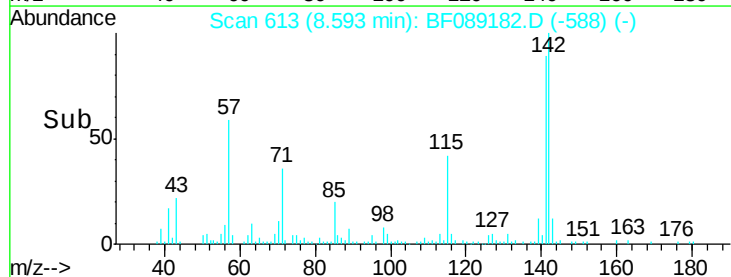
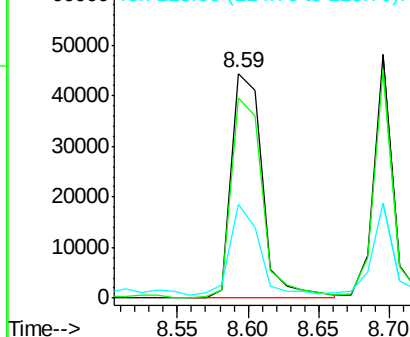


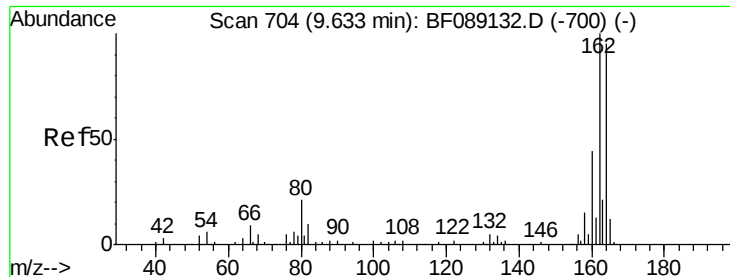
#37  
 2-Methylnaphthalene  
 Concen: 13.06 ng m  
 RT: 8.59 min Scan# 613  
 Delta R.T. -0.01 min  
 Lab File: BF089182.D  
 Acq: 21 Jul 2016 16:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 67544 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 88.9  | 71.6  | 107.4 |
| 115       | 41.7  | 27.6  | 41.4# |



Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF089182.D

Acq: 21 Jul 2016 16:12

Instrument :

BNA\_F

ClientSampleId :

KSB-04-12.0-14.0

Tot Ion:164 Resp: 60292

Ion Ratio Lower Upper

164 100

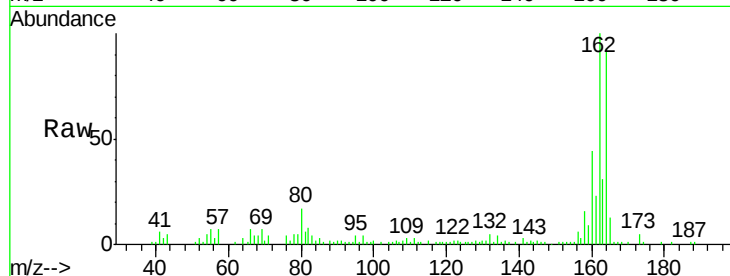
162 108.0 84.1 126.1

160 47.4 37.1 55.7

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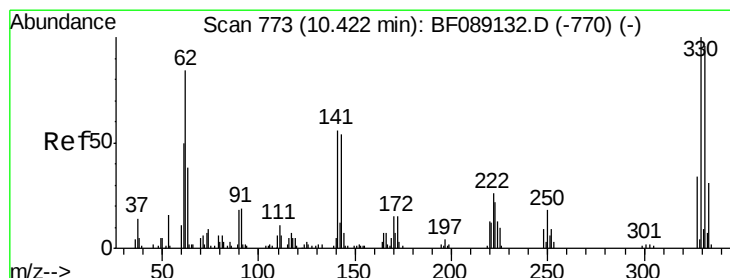
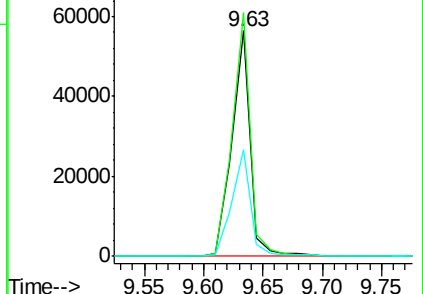
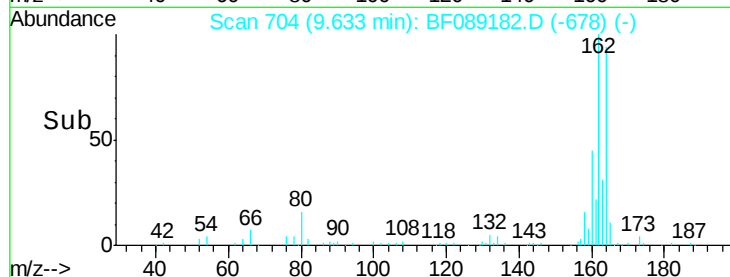
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 100.04 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF089182.D

Acq: 21 Jul 2016 16:12

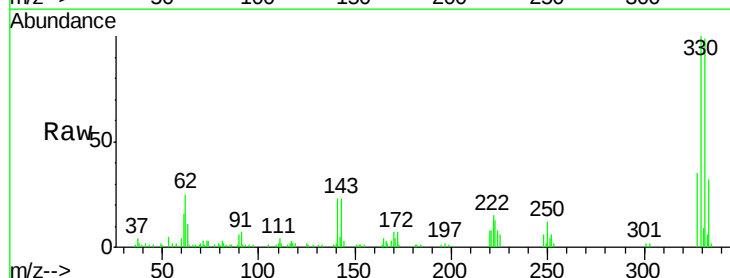
Tgt Ion:330 Resp: 54304

Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

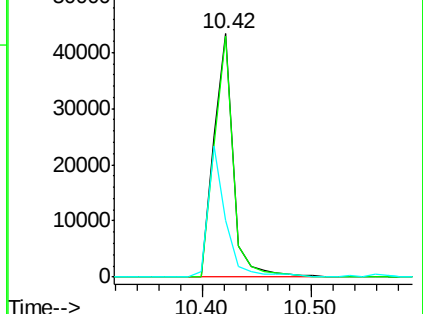
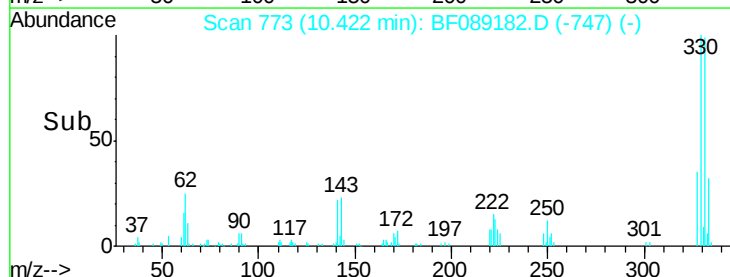
141 49.5 42.2 63.2

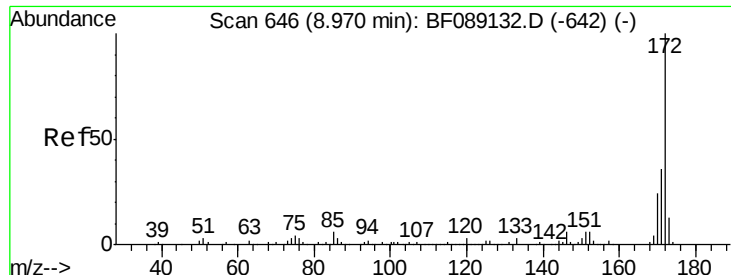


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





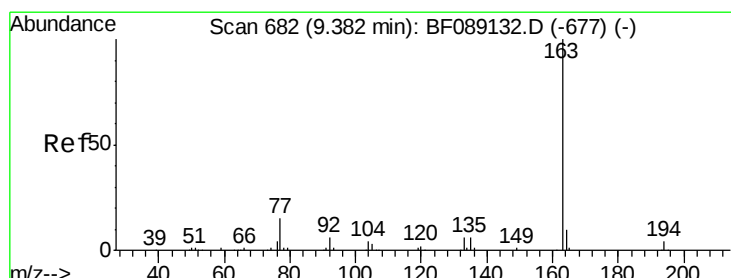
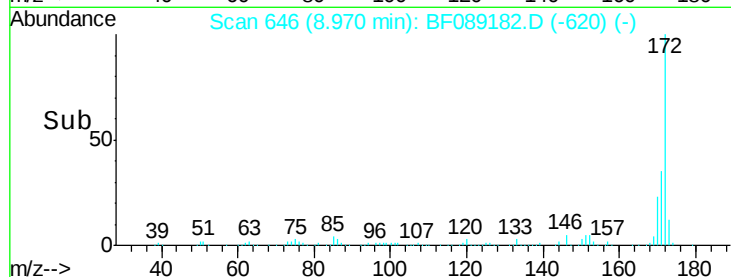
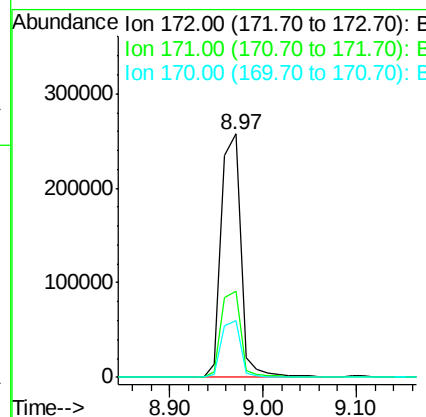
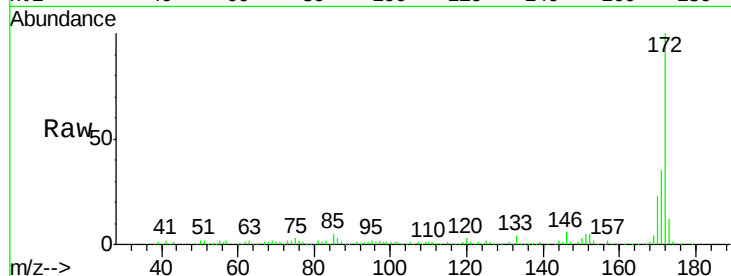
#44  
2-Fluorobiphenyl  
Concen: 86.43 ng  
RT: 8.97 min Scan# 646  
Delta R.T. 0.00 min  
Lab File: BF089182.D  
Acq: 21 Jul 2016 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
KSB-04-12.0-14.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.2  | 43.8  |
| 170     | 23.2  | 19.1  | 28.7  |

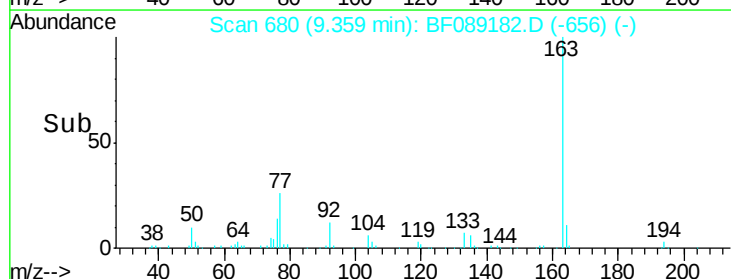
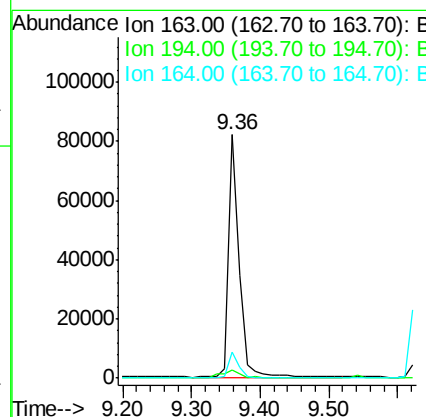
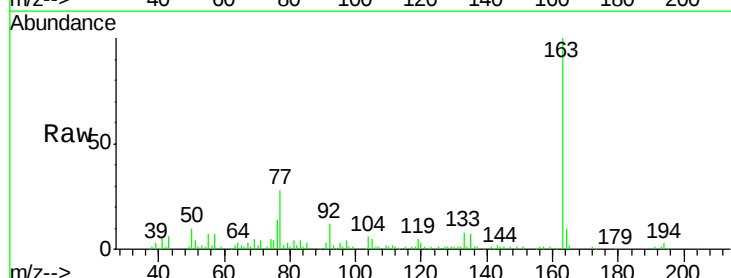
Manual Integrations

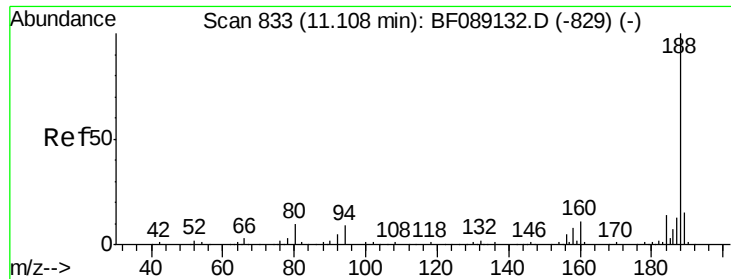
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#49  
Dimethylphthalate  
Concen: 20.26 ng  
RT: 9.36 min Scan# 680  
Delta R.T. -0.02 min  
Lab File: BF089182.D  
Acq: 21 Jul 2016 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.3   | 2.9   | 4.3   |
| 164     | 10.4  | 7.6   | 11.4  |





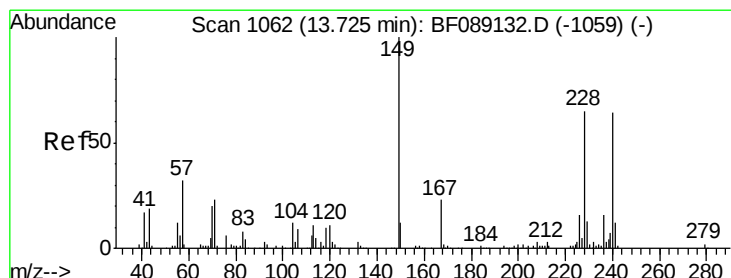
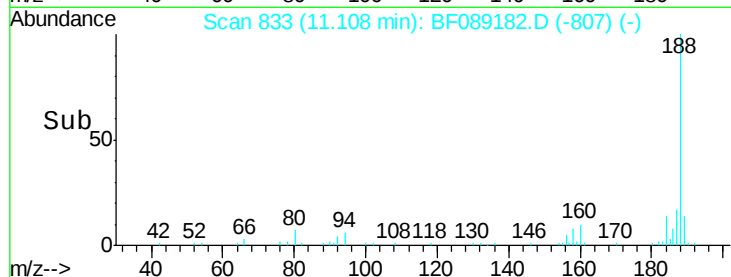
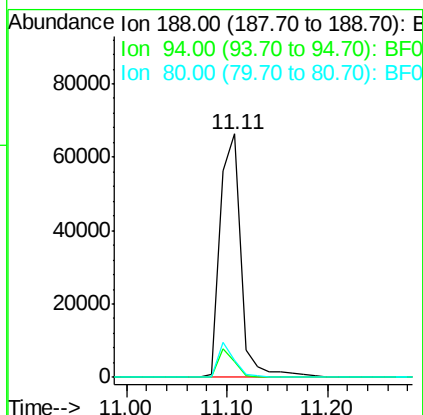
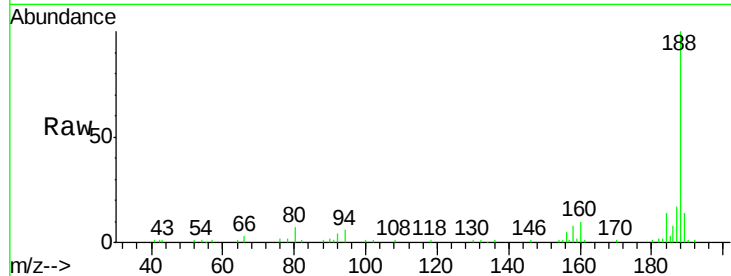
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.11 min Scan# 833  
Delta R.T. 0.00 min  
Lab File: BF089182.D  
Acq: 21 Jul 2016 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
KSB-04-12.0-14.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.4   | 7.0   | 10.4# |
| 80      | 6.8   | 7.7   | 11.5# |

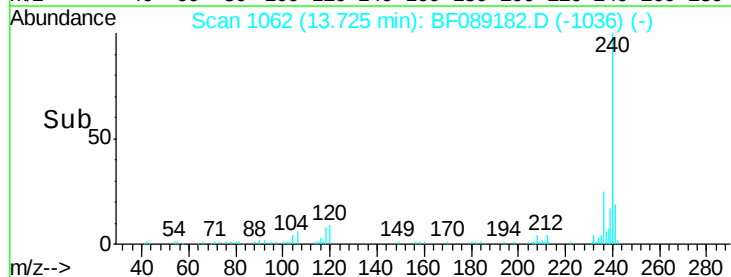
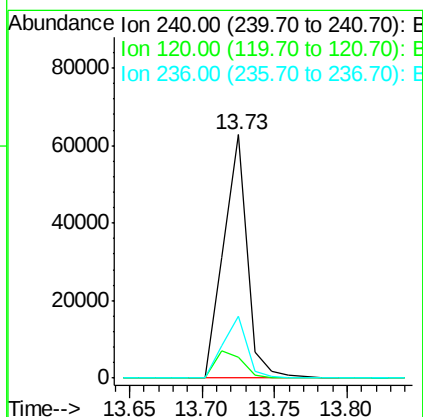
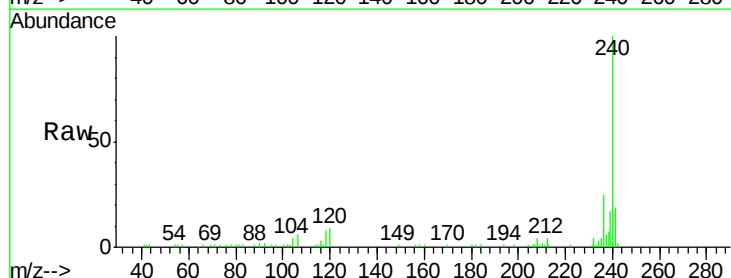
Manual Integrations

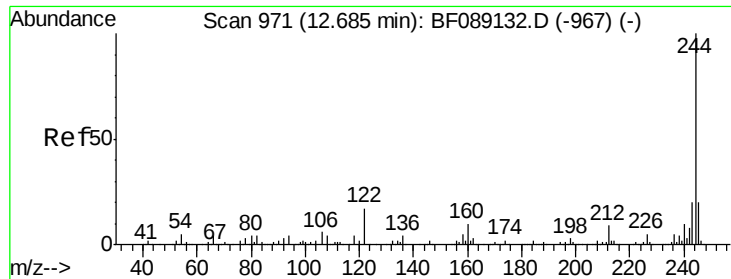
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#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.73 min Scan# 1062  
Delta R.T. 0.00 min  
Lab File: BF089182.D  
Acq: 21 Jul 2016 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.7   | 13.6  | 20.4# |
| 236     | 25.2  | 20.5  | 30.7  |





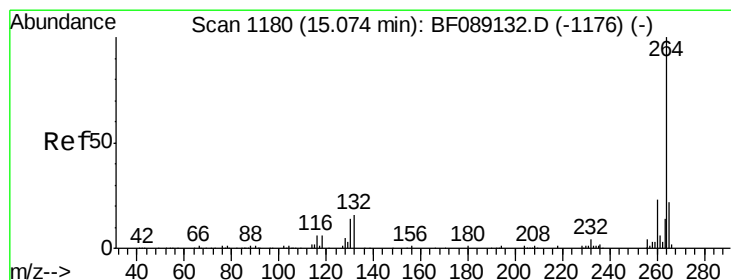
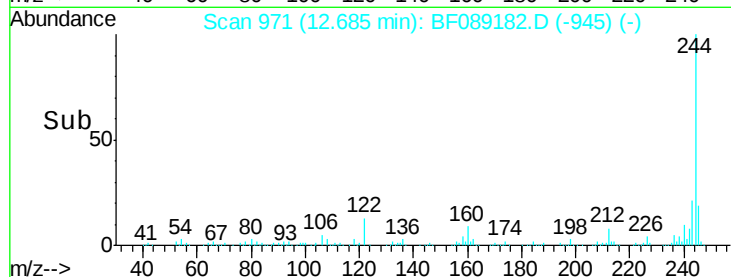
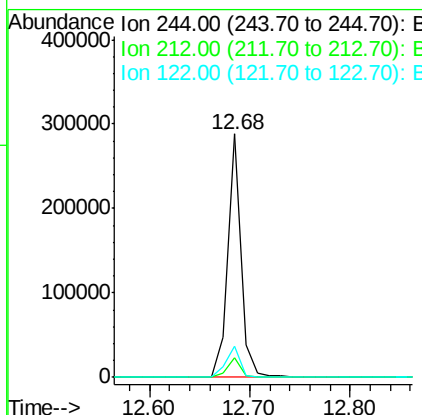
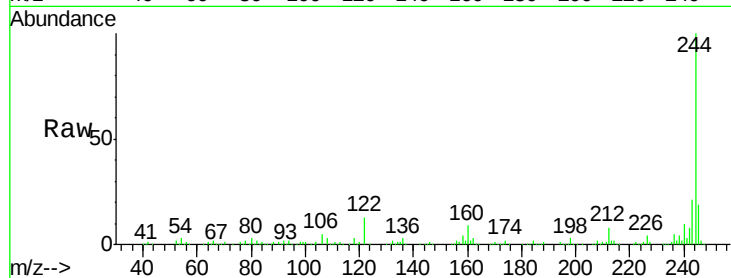
#78  
 Terphenyl-d14  
 Concen: 80.84 ng  
 RT: 12.68 min Scan# 971  
 Delta R.T. 0.00 min  
 Lab File: BF089182.D  
 Acq: 21 Jul 2016 16:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-04-12.0-14.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.1   | 7.0   | 10.4  |
| 122     | 13.0  | 13.8  | 20.8  |

Manual Integrations

umangi  
 7/22/2016 6:23:06 PM



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.07 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: BF089182.D  
 Acq: 21 Jul 2016 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.5  | 27.7  |
| 265     | 21.1  | 17.3  | 25.9  |

