

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062316\  
 Data File : BF088312.D  
 Acq On : 24 Jun 2016 2:32  
 Operator : UM/SJ  
 Sample : H3682-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4(0-6)

Manual Integrations  
 APPROVED

sohil  
 6/24/2016 1:32:35 PM

Quant Time: Jun 24 04:47:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 01:47:17 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.59  | 152  | 83577m   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.88  | 136  | 329915   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.62  | 164  | 142276   | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.11 | 188  | 241560   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 13.73 | 240  | 169385   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 15.09 | 264  | 160443   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.20  | 112  | 531433   | 108.70 | ng    | 0.01         |
| 7) Phenol-d6                | 6.26  | 99   | 651384   | 109.94 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 363590   | 64.35  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 130904   | 87.14  | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 8.96  | 172  | 646814   | 70.47  | ng    | -0.01        |
| 78) Terphenyl-d14           | 12.69 | 244  | 466668   | 62.69  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.36  | 163  | 137510   | 13.34  | ng    | Qvalue<br>99 |

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

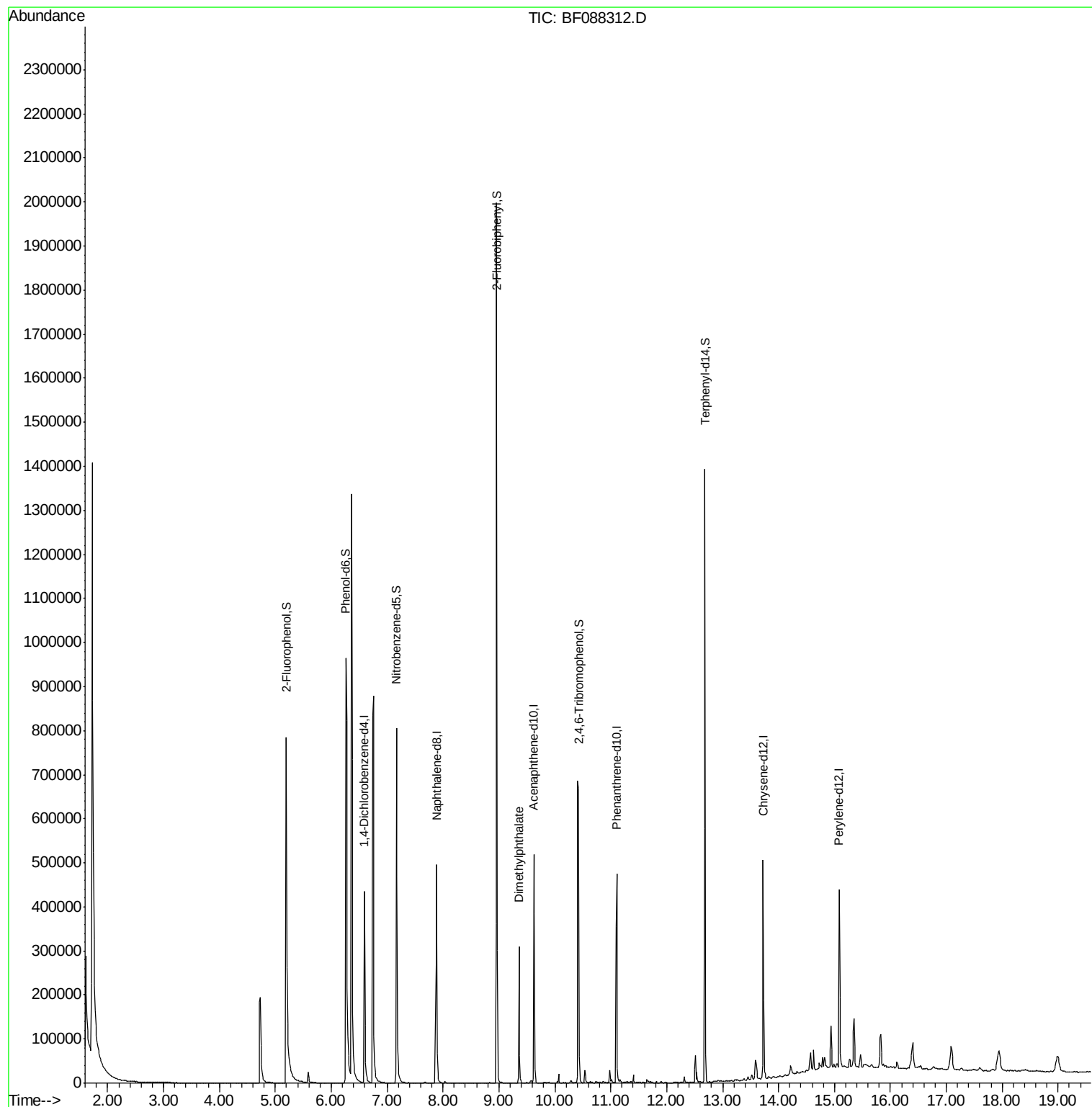
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062316\  
Data File : BF088312.D  
Acq On : 24 Jun 2016 2:32  
Operator : UM/SJ  
Sample : H3682-08  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

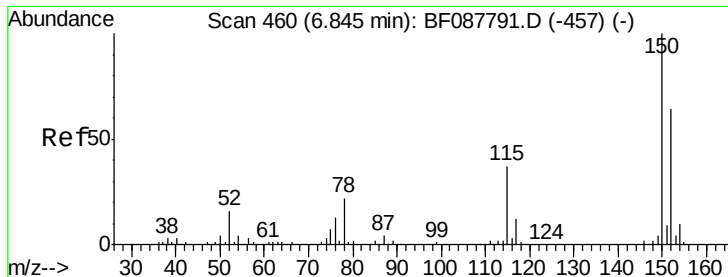
Instrument :  
BNA\_F  
ClientSampleId :  
SB-4(0-6)

Manual Integrations  
APPROVED

sohil  
6/24/2016 1:32:35 PM

Quant Time: Jun 24 04:47:09 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 24 01:47:17 2016  
Response via : Initial Calibration





#1

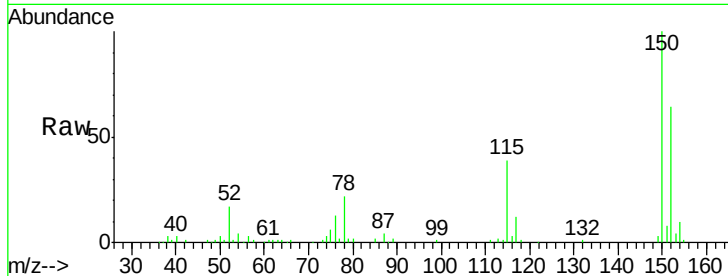
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng m  
RT: 6.59 min Scan# 438  
Delta R.T. 0.00 min  
Lab File: BF088312.D  
Acq: 24 Jun 2016 2:32

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4(0-6)

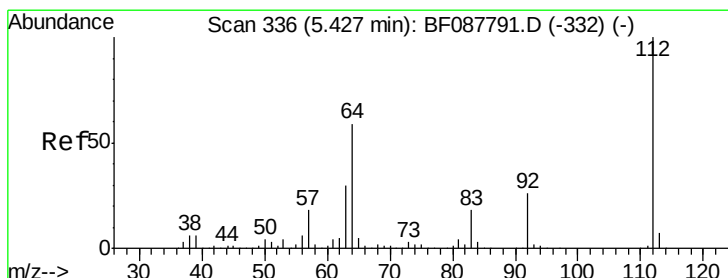
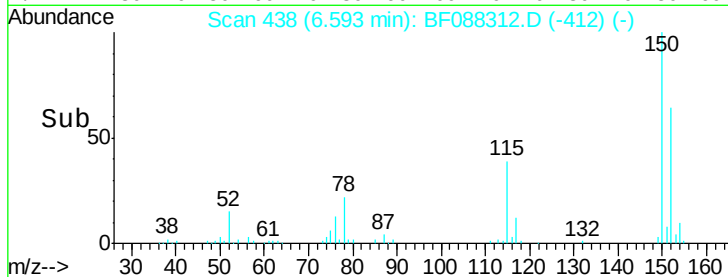
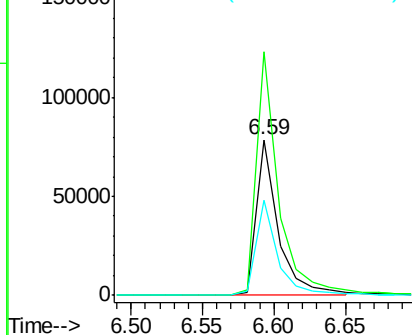
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 123.8 | 185.6 |
| 115     | 60.8  | 39.6  | 59.4  |

Manual Integrations  
APPROVED

sohil  
6/24/2016 1:32:35 PM



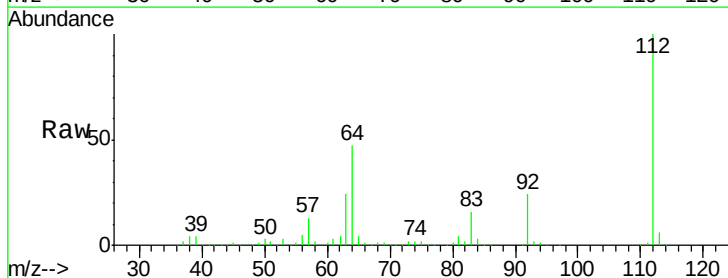
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



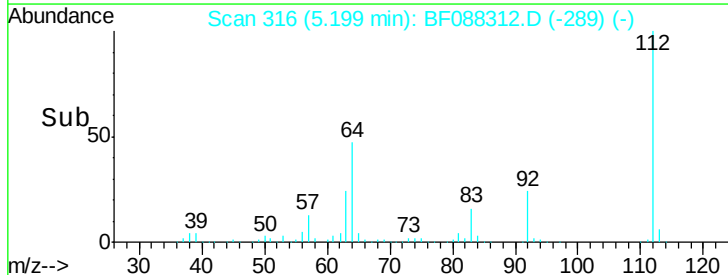
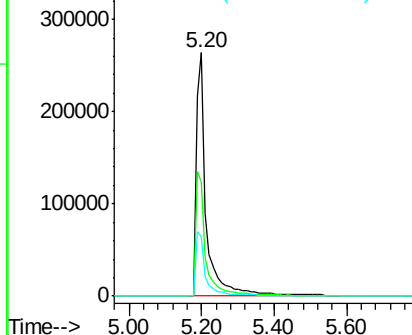
#5

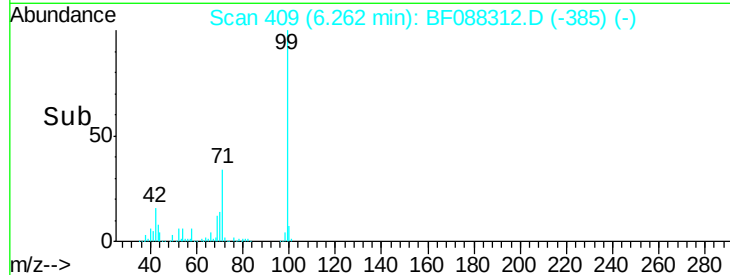
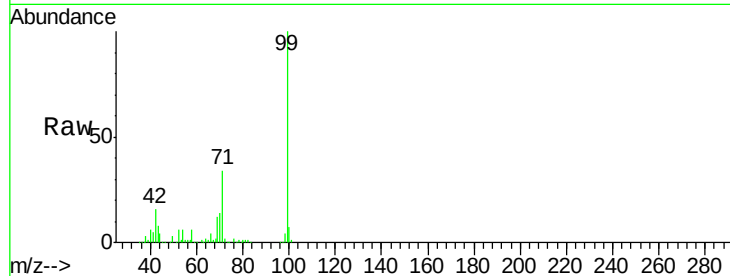
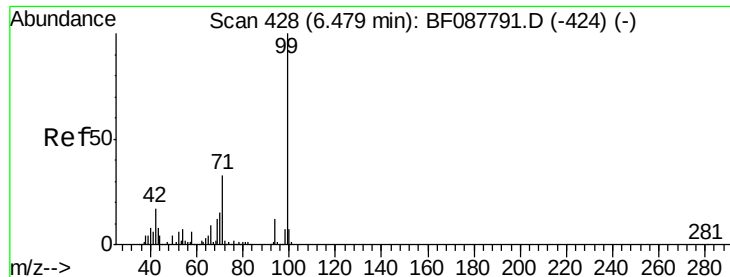
2-Fluorophenol  
Concen: 108.70 ng  
RT: 5.20 min Scan# 316  
Delta R.T. 0.01 min  
Lab File: BF088312.D  
Acq: 24 Jun 2016 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 47.2  | 42.2  | 63.2  |
| 63      | 24.4  | 21.8  | 32.8  |



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: 109.94 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 651384 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.0  | 12.2  | 18.2   |
| 71        | 33.9  | 23.4  | 35.0   |

Instrument :

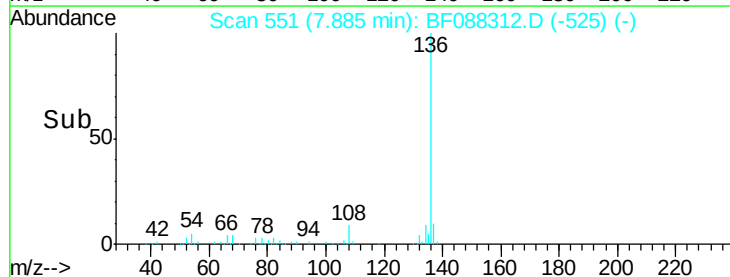
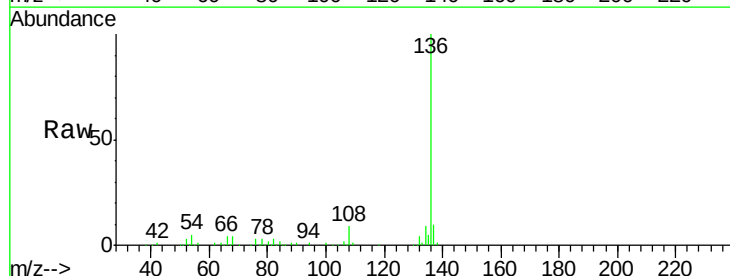
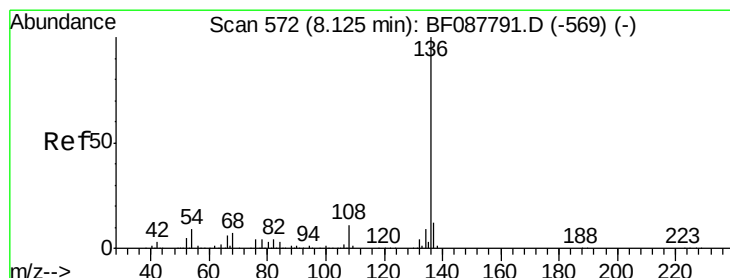
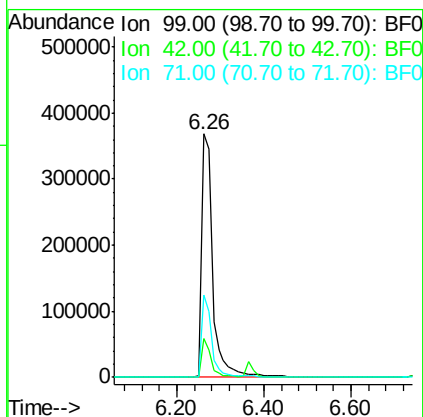
BNA\_F

ClientSampleId :

SB-4(0-6)

Manual Integrations  
APPROVED

sohil  
6/24/2016 1:32:35 PM



#21

Naphthalene-d8

Concen: 20.00 ng

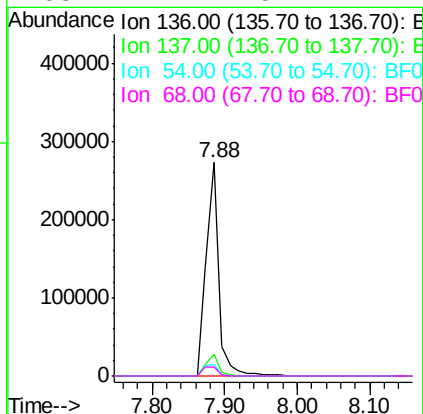
RT: 7.88 min Scan# 551

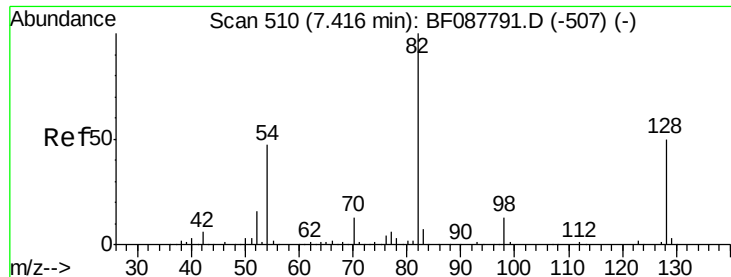
Delta R.T. 0.00 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 329915 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.3  | 9.1   | 13.7   |
| 54        | 5.2   | 6.6   | 10.0#  |
| 68        | 4.4   | 5.1   | 7.7#   |





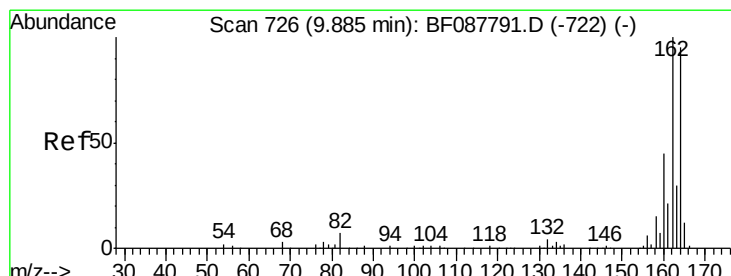
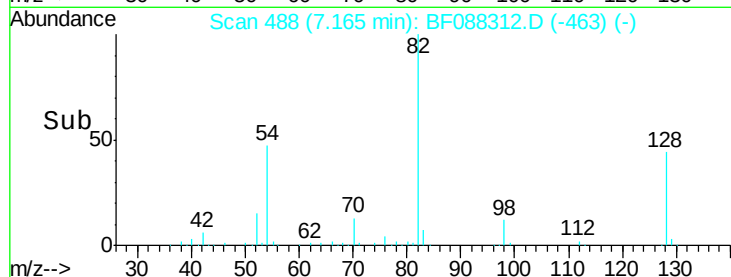
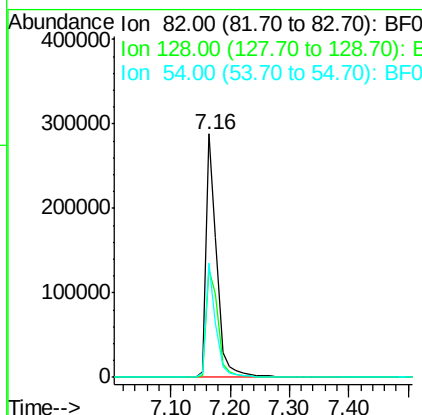
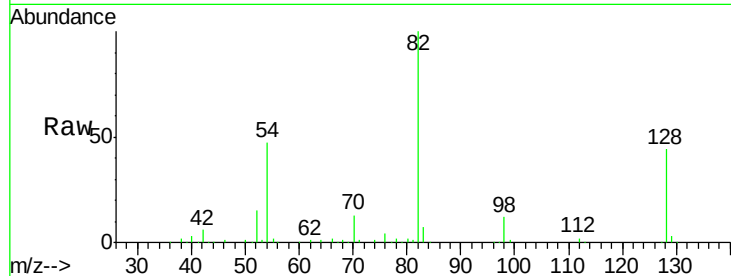
#23  
 Nitrobenzene-d5  
 Concen: 64.35 ng  
 RT: 7.16 min Scan# 488  
 Delta R.T. -0.01 min  
 Lab File: BF088312.D  
 Acq: 24 Jun 2016 2:32

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-4(0-6)

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 82      | 100   |            |            |
| 128     | 44.3  | 35.9       | 53.9       |
| 54      | 46.7  | 40.9       | 61.3       |

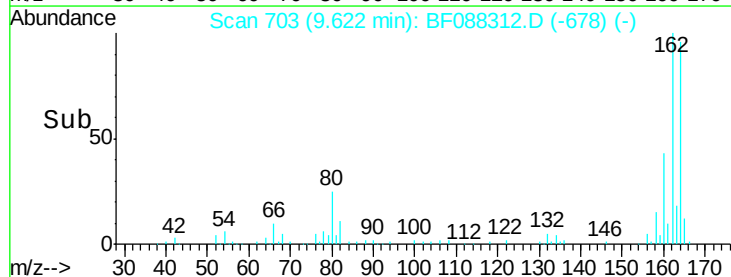
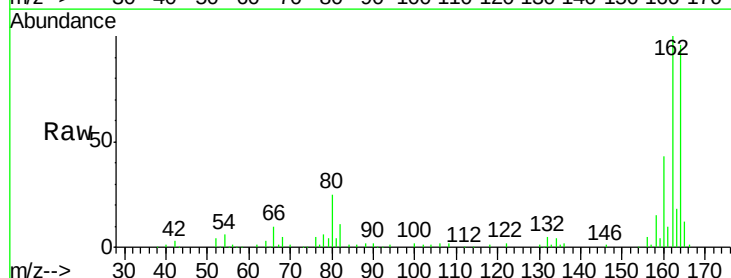
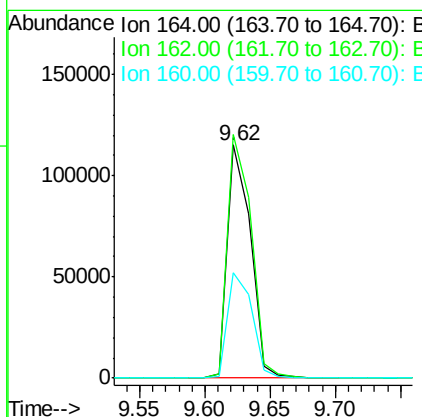
Manual Integrations  
 APPROVED

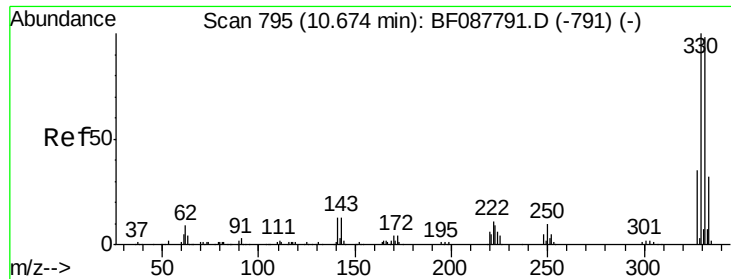
sohil  
 6/24/2016 1:32:35 PM



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.62 min Scan# 703  
 Delta R.T. -0.01 min  
 Lab File: BF088312.D  
 Acq: 24 Jun 2016 2:32

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 164     | 100   |            |            |
| 162     | 104.5 | 85.4       | 128.2      |
| 160     | 45.4  | 39.5       | 59.3       |





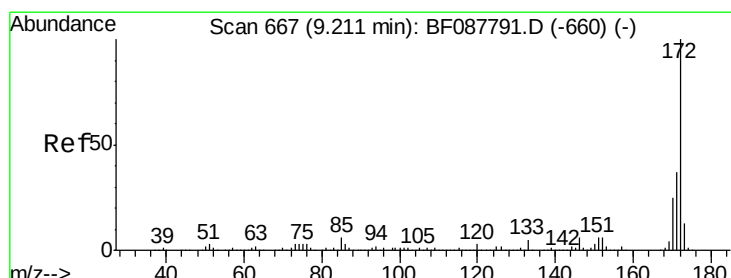
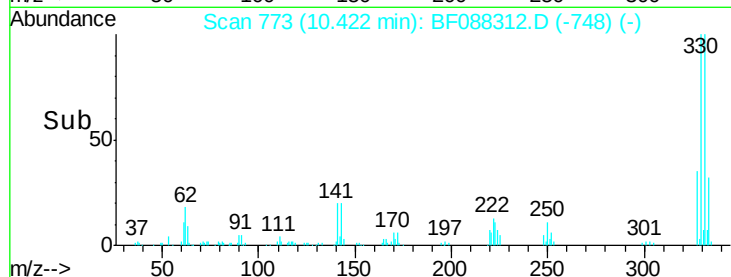
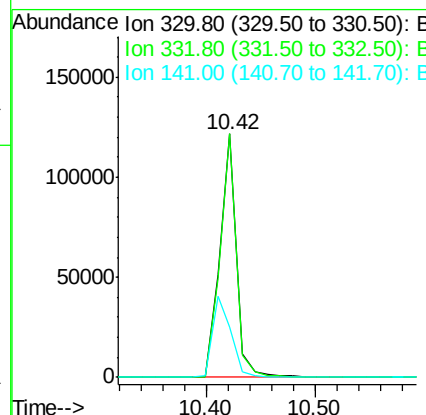
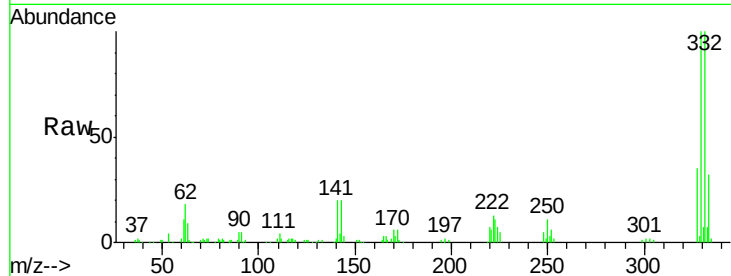
#41  
 2,4,6-Tribromophenol  
 Concen: 87.14 ng  
 RT: 10.42 min Scan# 773  
 Delta R.T. -0.01 min  
 Lab File: BF088312.D  
 Acq: 24 Jun 2016 2:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4(0-6)

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 330     | 100   |            |            |
| 332     | 98.6  | 0.0        | 0.0#       |
| 141     | 36.6  | 0.0        | 0.0#       |

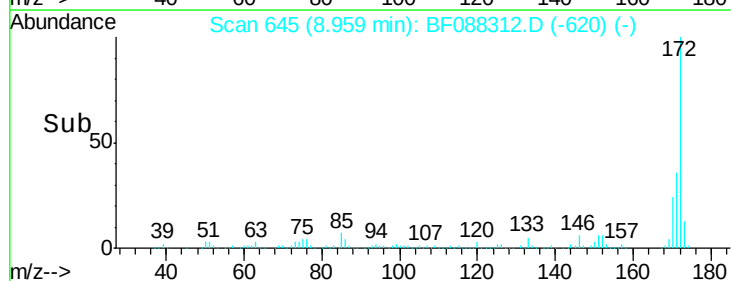
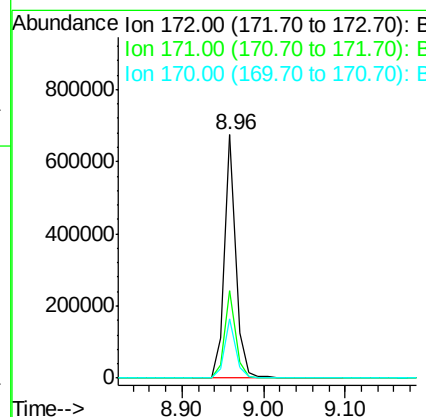
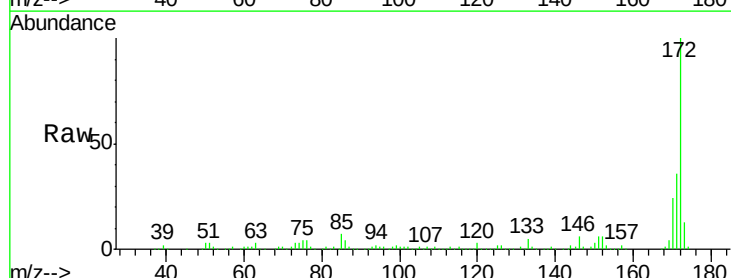
Manual Integrations  
 APPROVED

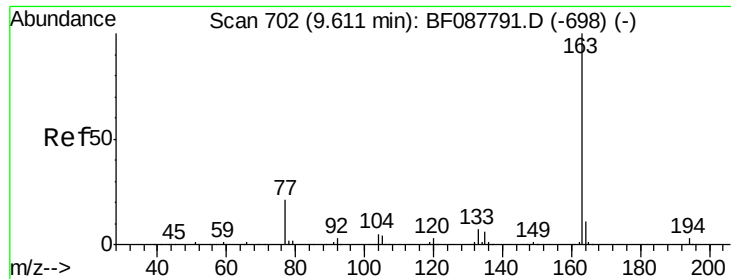
sohil  
 6/24/2016 1:32:35 PM



#44  
 2-Fluorobiphenyl  
 Concen: 70.47 ng  
 RT: 8.96 min Scan# 645  
 Delta R.T. -0.01 min  
 Lab File: BF088312.D  
 Acq: 24 Jun 2016 2:32

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 172     | 100   |            |            |
| 171     | 35.7  | 28.6       | 43.0       |
| 170     | 24.2  | 19.2       | 28.8       |





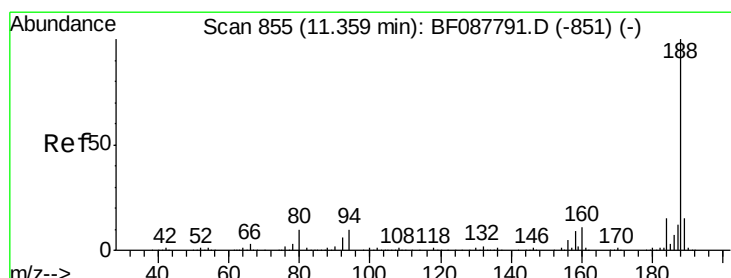
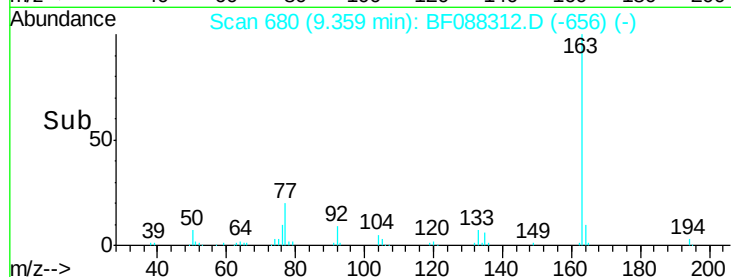
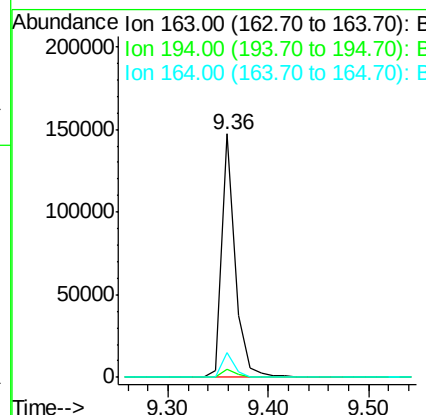
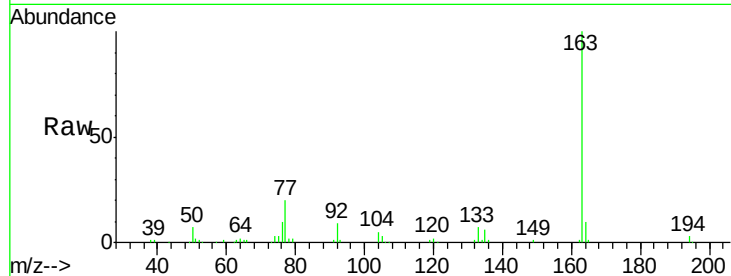
#49  
Dimethylphthalate  
Concen: 13.34 ng  
RT: 9.36 min Scan# 680  
Delta R.T. -0.02 min  
Lab File: BF088312.D  
Acq: 24 Jun 2016 2:32

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4(0-6)

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.2   | 2.8        | 4.2        |
| 164     | 10.0  | 8.3        | 12.5       |

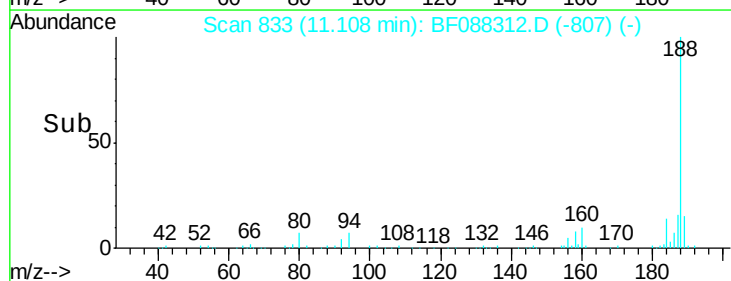
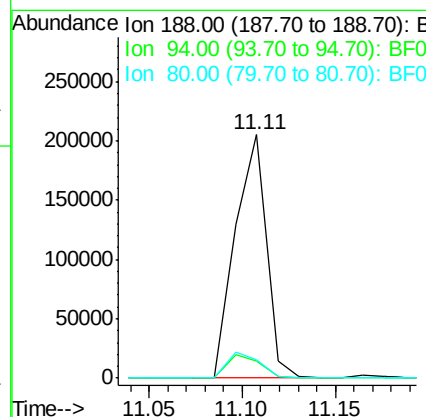
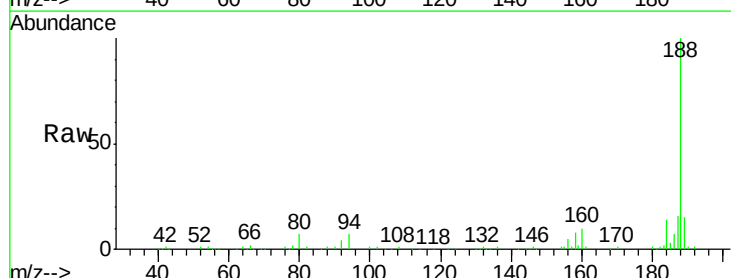
Manual Integrations  
APPROVED

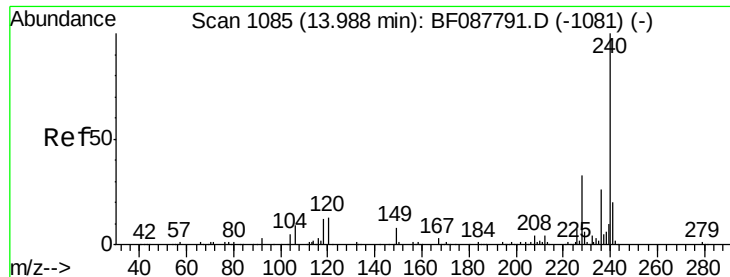
sohil  
6/24/2016 1:32:35 PM



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.11 min Scan# 833  
Delta R.T. 0.00 min  
Lab File: BF088312.D  
Acq: 24 Jun 2016 2:32

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 7.0   | 9.0        | 13.6#      |
| 80      | 7.3   | 10.0       | 15.0#      |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

Instrument :

BNA\_F

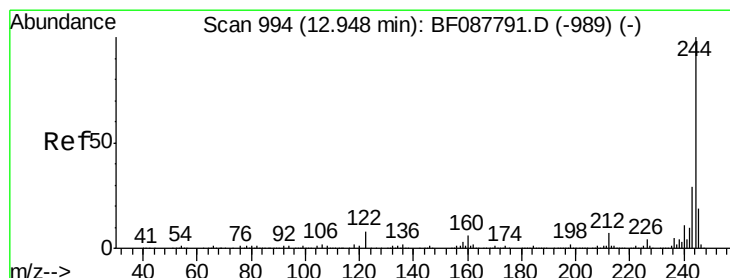
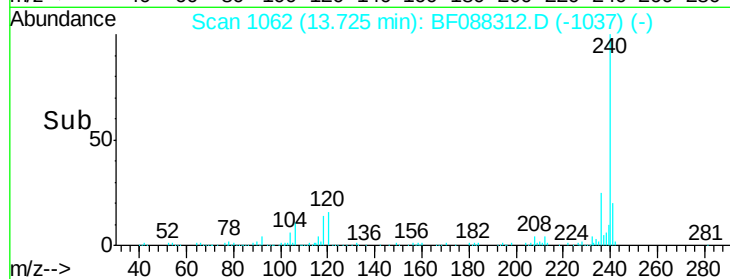
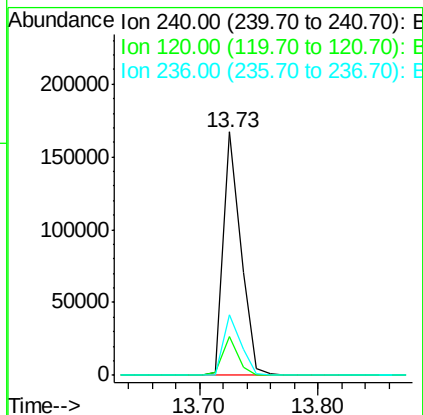
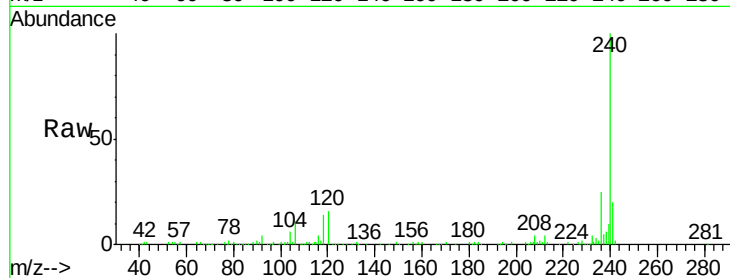
ClientSampleId :

SB-4(0-6)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 169385 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 16.0  | 6.8   | 10.2#  |
| 236       | 25.1  | 20.2  | 30.2   |

Manual Integrations  
APPROVED

sohil  
6/24/2016 1:32:35 PM



#78

Terphenyl-d14

Concen: 62.69 ng

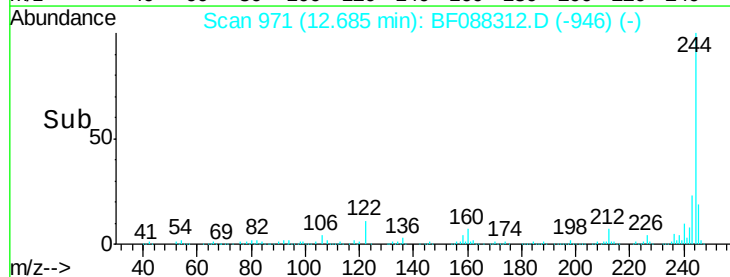
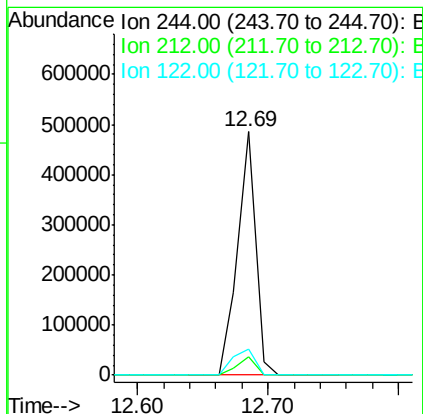
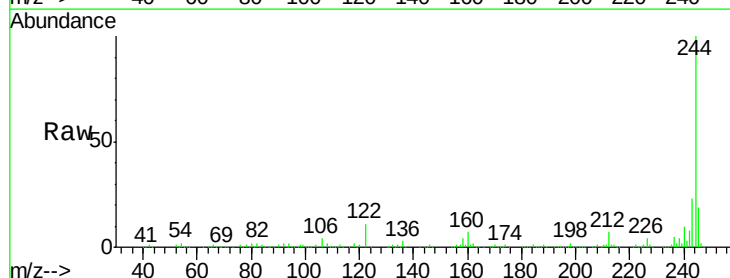
RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

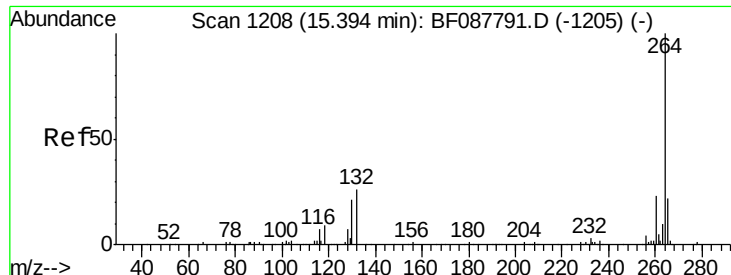
Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 466668 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.3   | 6.0   | 9.0    |
| 122       | 10.8  | 11.2  | 16.8#  |







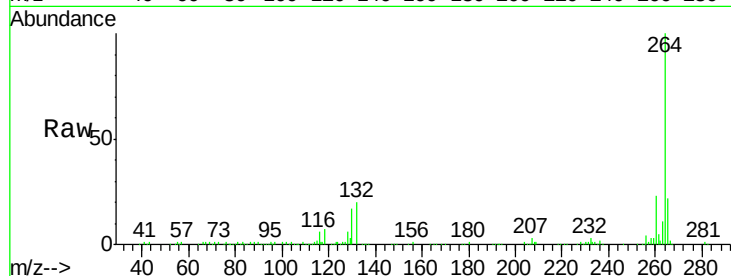
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.09 min Scan# 1181  
Delta R.T. -0.01 min  
Lab File: BF088312.D  
Acq: 24 Jun 2016 2:32

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4(0-6)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 160443 |       |       |
| 260     | 23.4  | 19.2   | 28.8  |       |
| 265     | 22.2  | 16.9   | 25.3  |       |

Manual Integrations  
APPROVED

sohil  
6/24/2016 1:32:35 PM



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

