

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\  
 Data File : BF083661.D  
 Acq On : 10 Dec 2015 2:46  
 Operator : UM/IZ  
 Sample : G4584-08DL 10X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-15(0-8)DL

Manual Integrations  
 APPROVED

MMdadoda  
 12/10/2015 5:50:23 PM

Quant Time: Dec 10 06:06:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 00:23:35 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.68  | 152  | 142705   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.57  | 136  | 560018   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10        | 10.36 | 164  | 251019   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 12.76 | 188  | 404014   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 16.98 | 240  | 356530   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 18.63 | 264  | 282526   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.10  | 112  | 7043     | 0.75  | ng    | 0.13     |
| 7) Phenol-d6                | 5.37  | 99   | 28885m   | 2.30  | ng    | 0.09     |
| 23) Nitrobenzene-d5         | 6.59  | 82   | 18368    | 1.53  | ng    | 0.06     |
| 41) 2,4,6-Tribromophenol    | 11.70 | 330  | 2530     | 1.13  | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 38064    | 2.13  | ng    | -0.02    |
| 78) Terphenyl-d14           | 15.39 | 244  | 27543    | 1.82  | ng    | -0.02    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 7.61  | 128  | 1436130  | 48.42 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.72  | 142  | 169914   | 9.12  | ng    | 99       |
| 45) 1,1'-Biphenyl           | 9.48  | 154  | 70981    | 3.25  | ng    | 99       |
| 48) Acenaphthylene          | 10.14 | 152  | 79755    | 2.94  | ng    | 99       |
| 51) Acenaphthene            | 10.42 | 154  | 183643   | 11.81 | ng    | 98       |
| 57) Fluorene                | 11.25 | 166  | 120380   | 6.40  | ng    | 95       |
| 70) Phenanthrene            | 12.80 | 178  | 656848   | 28.30 | ng    | 99       |
| 71) Anthracene              | 12.90 | 178  | 149480   | 6.22  | ng    | 99       |
| 74) Fluoranthene            | 14.73 | 202  | 310219   | 13.06 | ng    | 99       |
| 77) Pyrene                  | 15.08 | 202  | 407939   | 15.89 | ng    | 99       |
| 80) Benzo(a)anthracene      | 16.97 | 228  | 126559m  | 6.06  | ng    |          |
| 82) Chrysene                | 17.01 | 228  | 112856   | 5.39  | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 19.91 | 276  | 41106    | 2.91  | ng    | # 100    |
| 87) Benzo(b)fluoranthene    | 18.26 | 252  | 102884m  | 6.39  | ng    |          |
| 88) Benzo(k)fluoranthene    | 18.28 | 252  | 39543m   | 2.23  | ng    |          |
| 89) Benzo(a)pyrene          | 18.58 | 252  | 105117   | 6.70  | ng    | 97       |
| 91) Benzo(a,h,i)perylene    | 20.26 | 276  | 48613    | 4.15  | ng    | 99       |

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

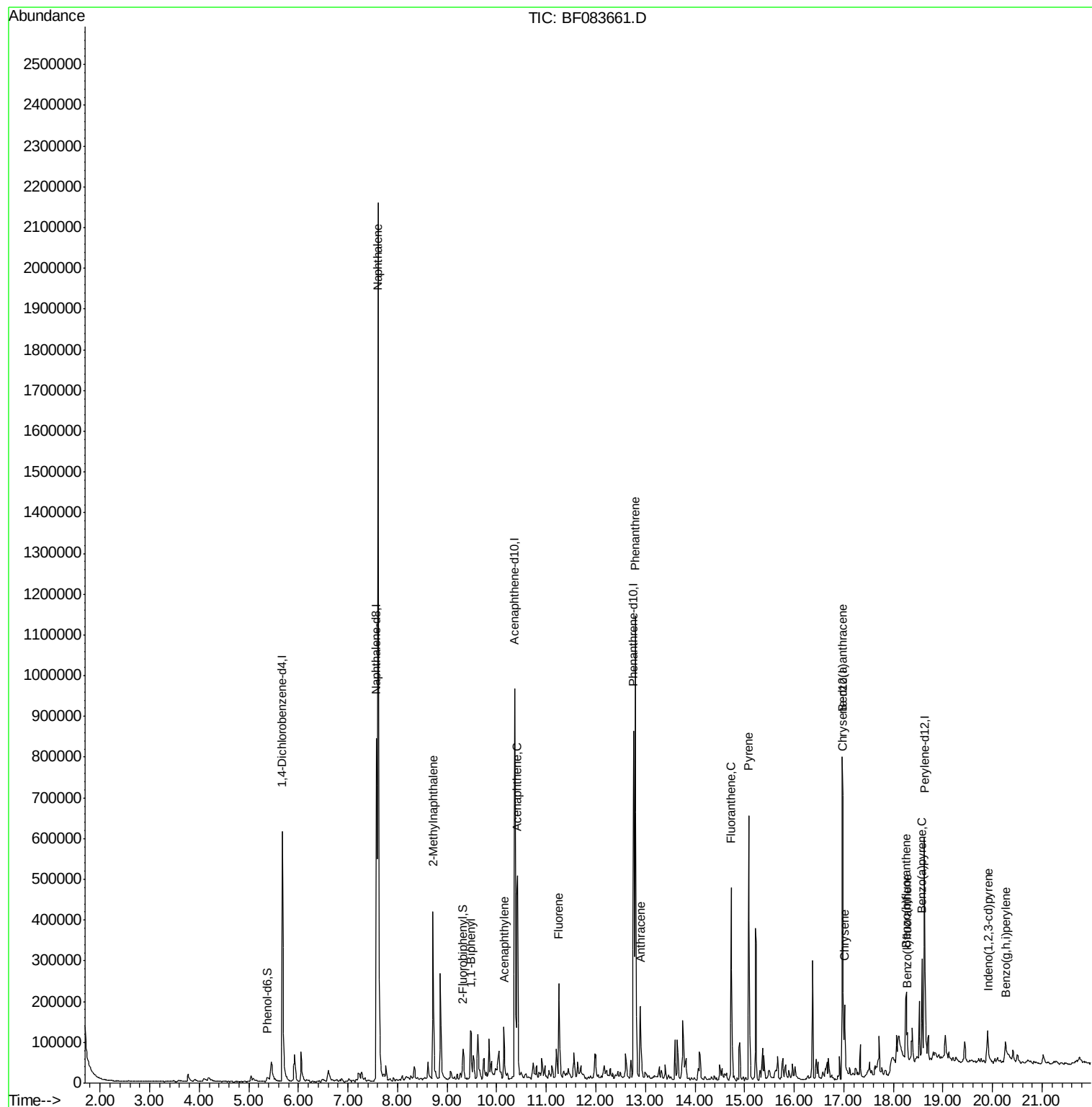
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\  
Data File : BF083661.D  
Acq On : 10 Dec 2015 2:46  
Operator : UM/IZ  
Sample : G4584-08DL 10X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

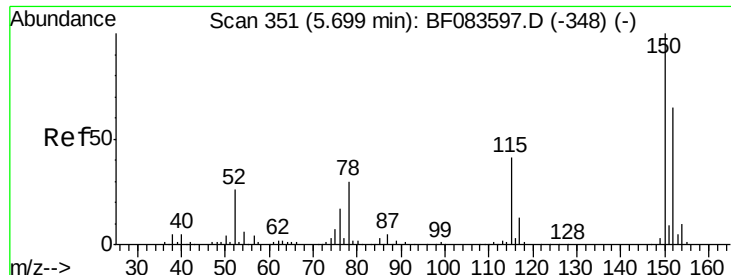
Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-15(0-8)DL

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM

Quant Time: Dec 10 06:06:34 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 09 00:23:35 2015  
Response via : Initial Calibration





#1

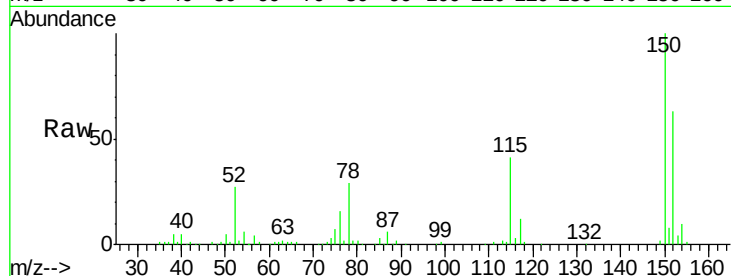
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.68 min Scan# 349  
Delta R.T. -0.02 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-15(0-8)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.0 | 126.5 | 189.7 |
| 115     | 64.7  | 52.3  | 78.5  |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM

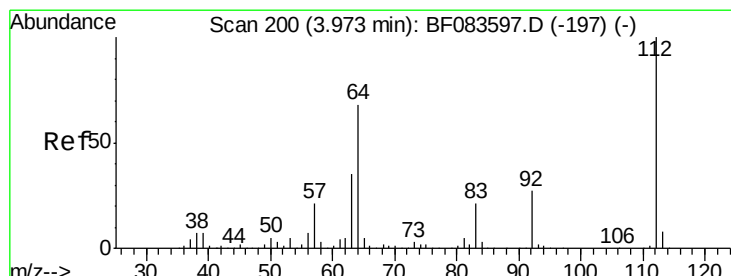
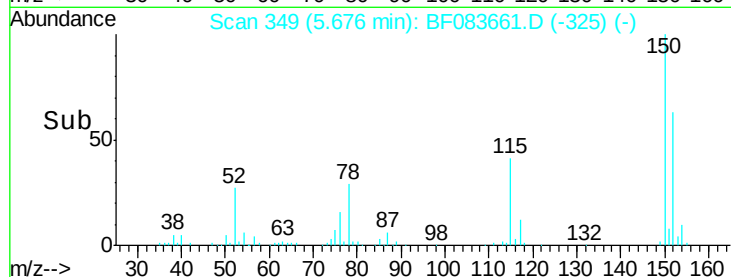
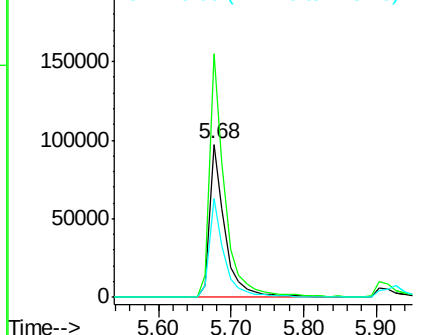


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

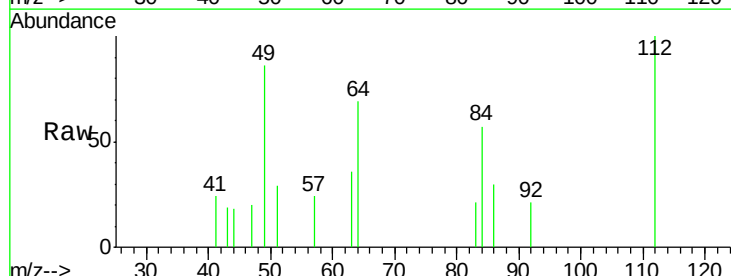
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 0.75 ng  
RT: 4.10 min Scan# 211  
Delta R.T. 0.13 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.9  | 50.5  | 75.7  |
| 63      | 36.5  | 25.8  | 38.6  |

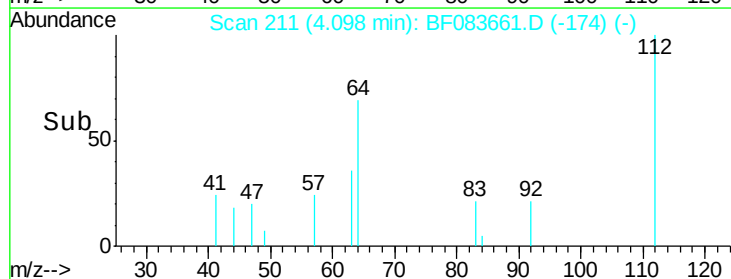
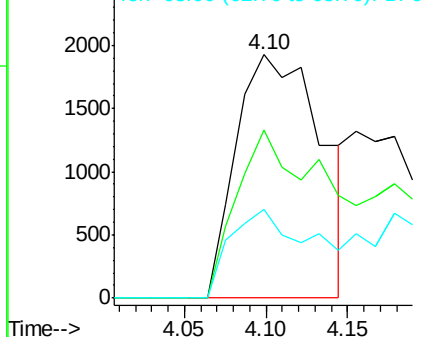


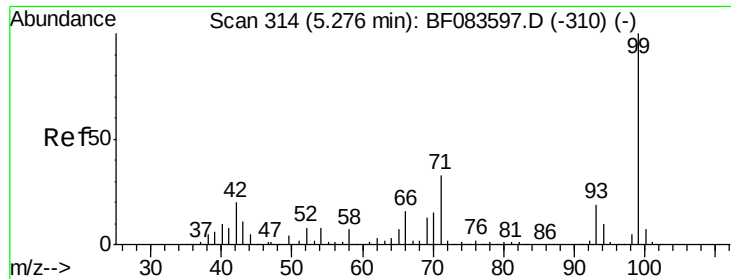
Abundance

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: 2.30 ng/mL

RT: 5.37 min Scan# 322

Delta R.T. 0.09 min

Lab File: BF083661.D

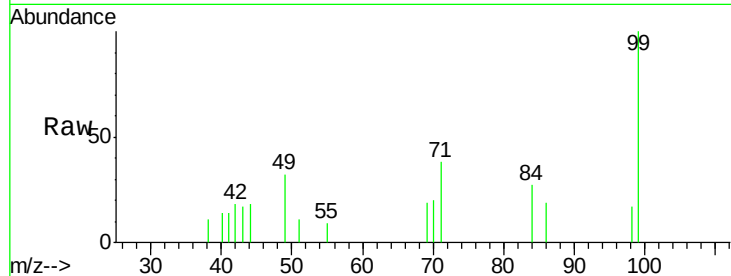
Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

ClientSampleId :

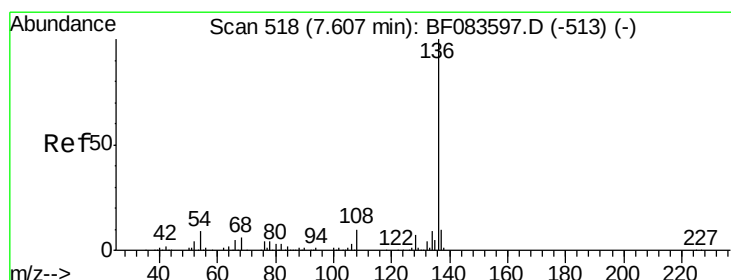
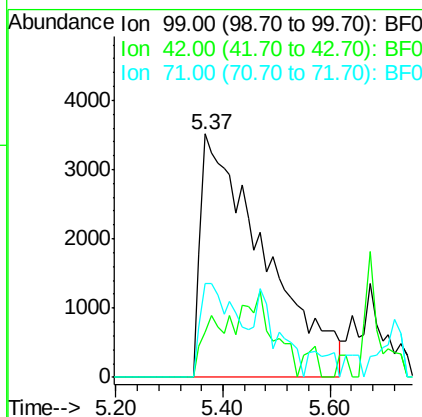
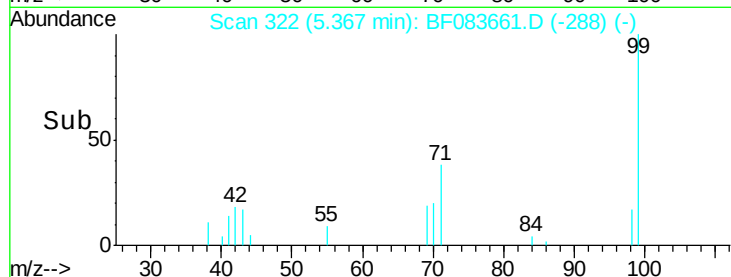
SB-P3WC-15(0-8)DL



| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 99      | 100  |       | 28885 |       |       |
| 42      | 18.5 | 17.3  | 25.9  |       |       |
| 71      | 38.3 | 26.6  | 40.0  |       |       |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM



#21

Naphthalene-d8

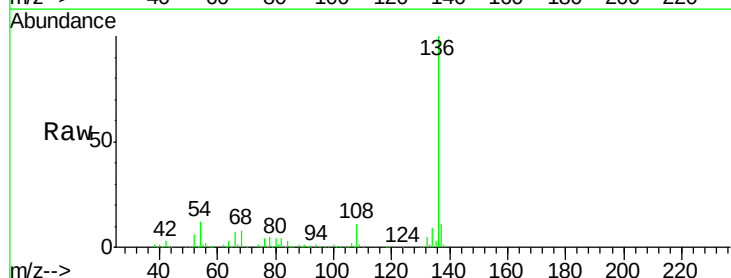
Concen: 20.00 ng

RT: 7.57 min Scan# 515

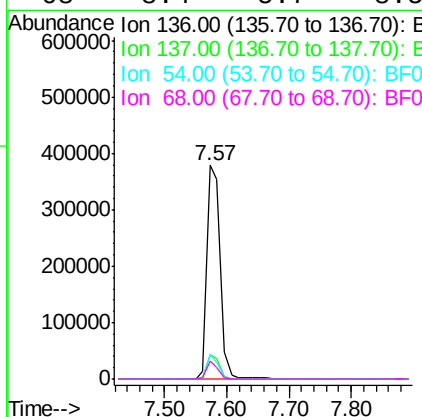
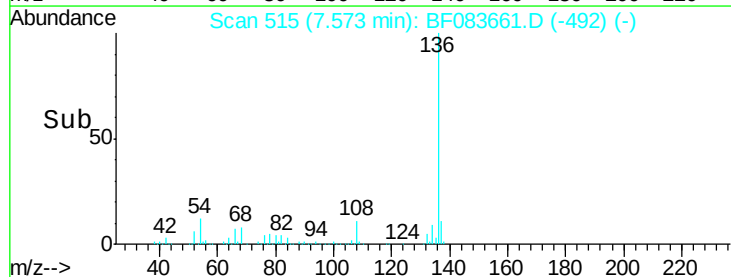
Delta R.T. -0.03 min

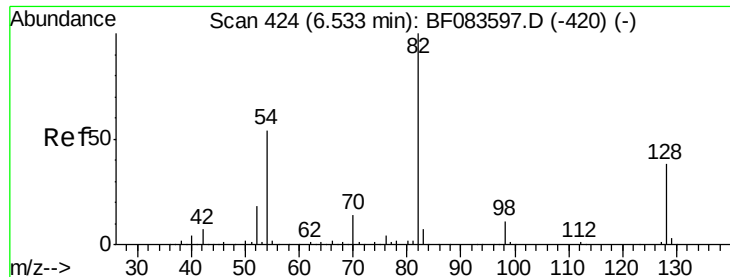
Lab File: BF083661.D

Acq: 10 Dec 2015 2:46



| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 560018 |       |       |
| 137     | 11.4 | 8.7   | 13.1   |       |       |
| 54      | 11.7 | 7.8   | 11.6   |       |       |
| 68      | 8.4  | 5.7   | 8.5    |       |       |





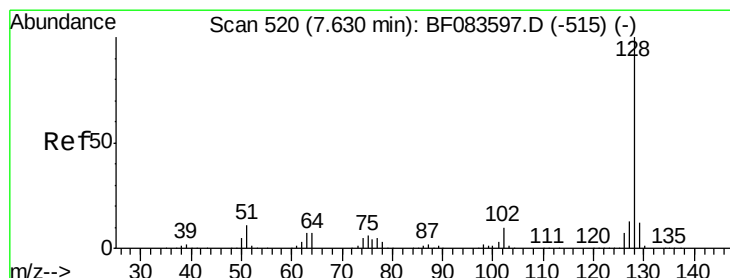
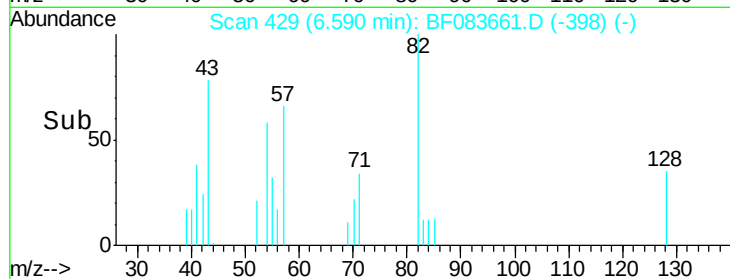
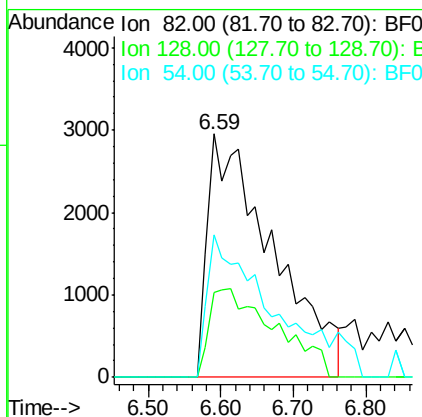
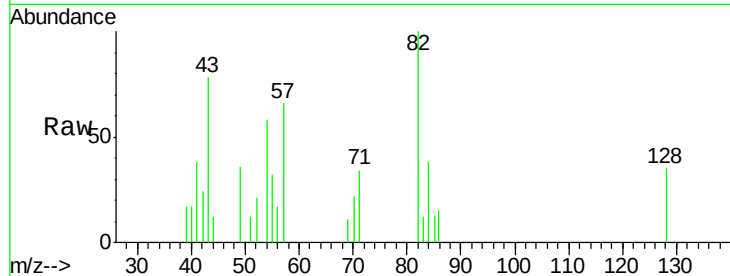
#23  
Nitrobenzene-d5  
Concen: 1.53 ng  
RT: 6.59 min Scan# 429  
Delta R.T. 0.06 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-15(0-8)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.8  | 30.7  | 46.1  |
| 54      | 58.4  | 42.5  | 63.7  |

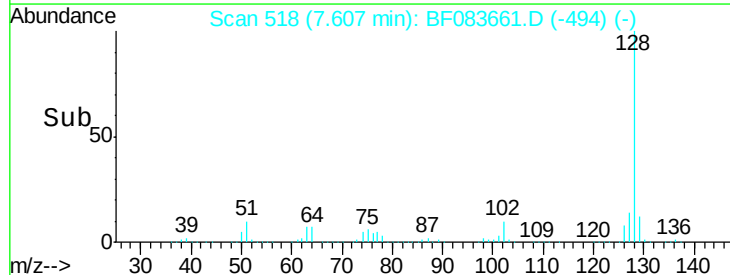
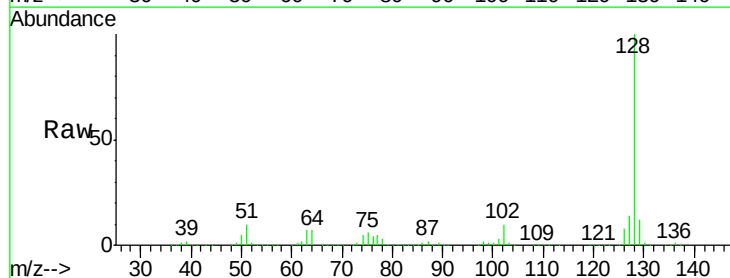
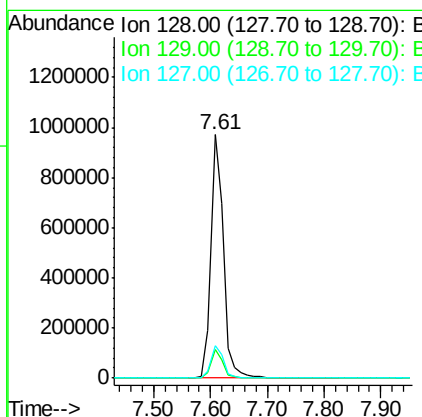
Manual Integrations  
APPROVED

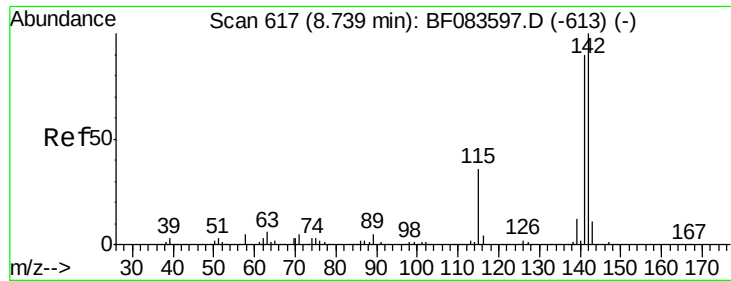
MMdadoda  
12/10/2015 5:50:23 PM



#31  
Naphthalene  
Concen: 48.42 ng  
RT: 7.61 min Scan# 518  
Delta R.T. -0.02 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.9  | 8.6   | 13.0  |
| 127     | 13.5  | 10.6  | 16.0  |





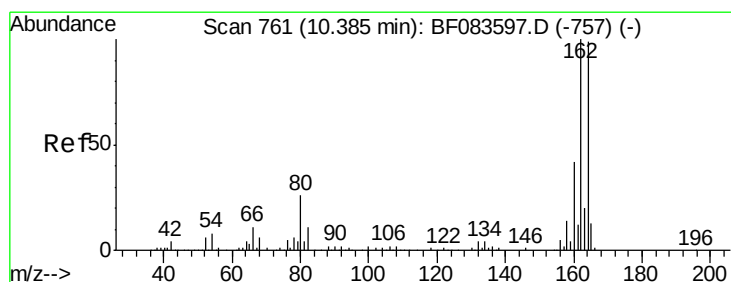
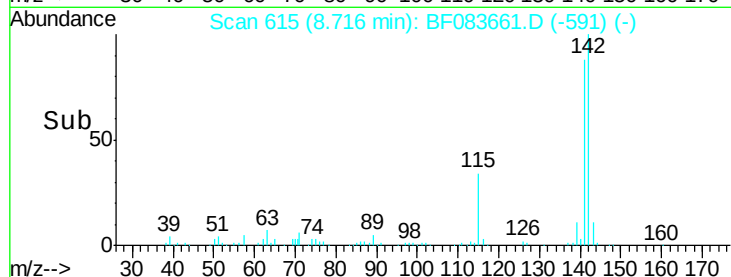
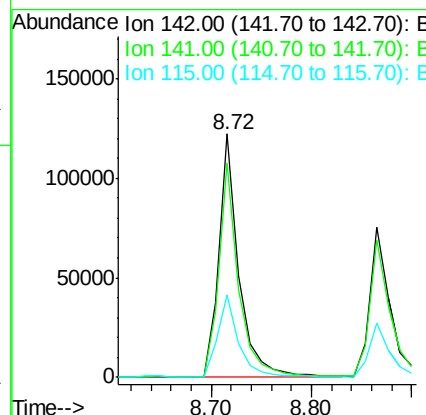
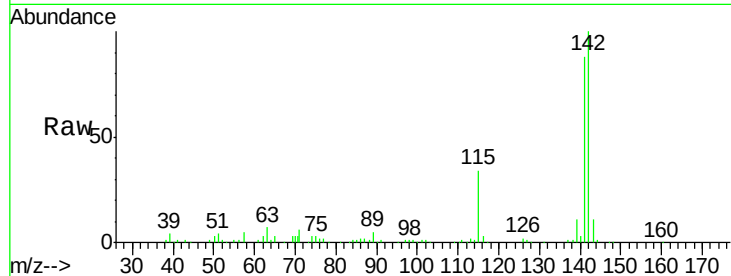
#37  
2-Methylnaphthalene  
Concen: 9.12 ng  
RT: 8.72 min Scan# 615  
Delta R.T. -0.02 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-15(0-8)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.2  | 70.3  | 105.5 |
| 115     | 34.0  | 29.2  | 43.8  |

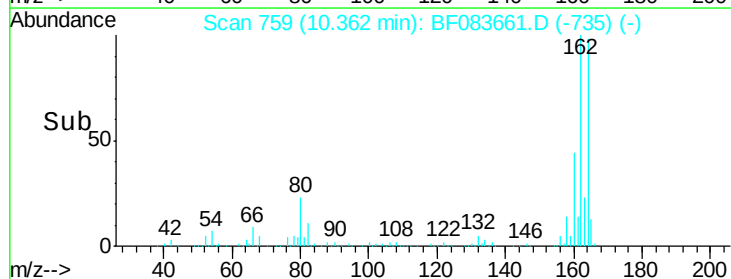
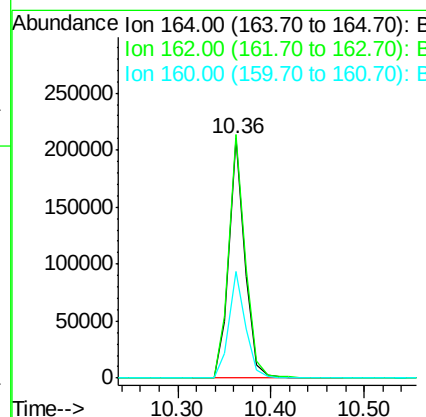
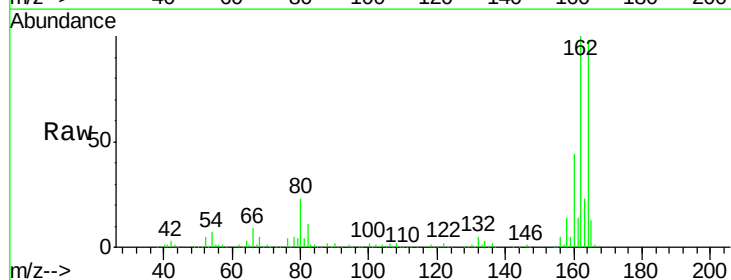
Manual Integrations  
APPROVED

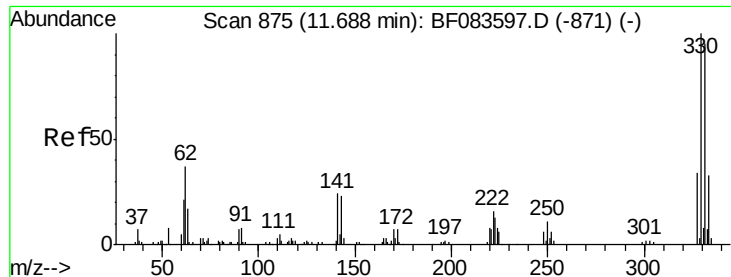
MMdadoda  
12/10/2015 5:50:23 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.36 min Scan# 759  
Delta R.T. -0.02 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 78.8  | 118.2 |
| 160     | 44.7  | 33.4  | 50.2  |





#41

2,4,6-Tribromophenol

Concen: 1.13 ng

RT: 11.70 min Scan# 876

Delta R.T. 0.01 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

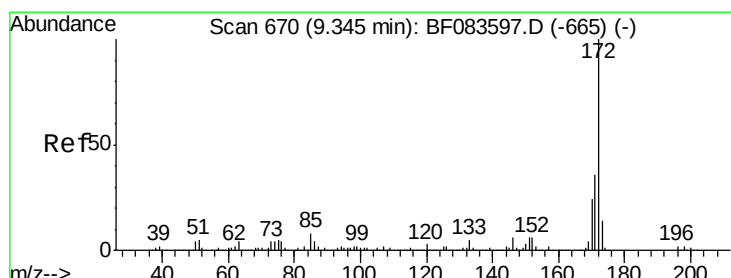
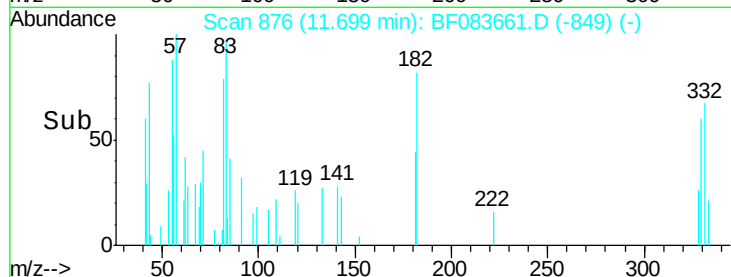
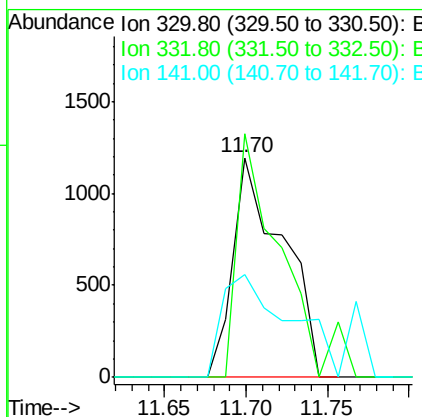
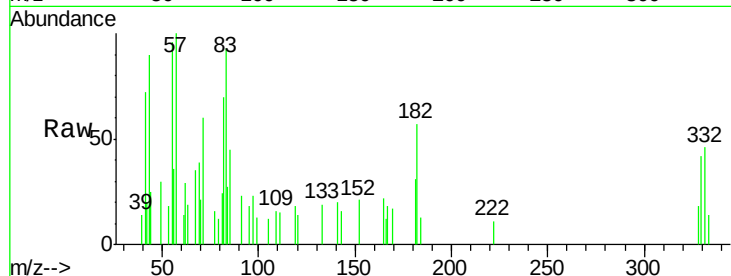
ClientSampleId :

SB-P3WC-15(0-8)DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 330   | Resp: | 2530 |
| Ion Ratio | Lower | Upper |      |
| 330       | 100   |       |      |
| 332       | 97.5  | 0.0   | 0.0# |
| 141       | 63.5  | 0.0   | 0.0# |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM



#44

2-Fluorobiphenyl

Concen: 2.13 ng

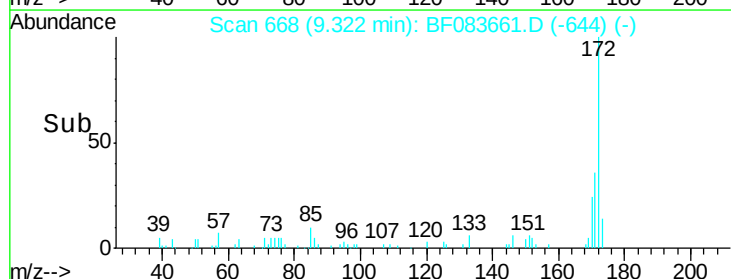
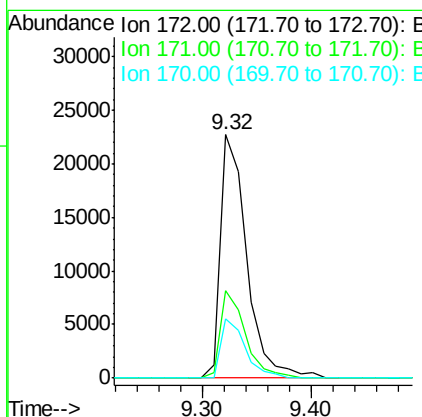
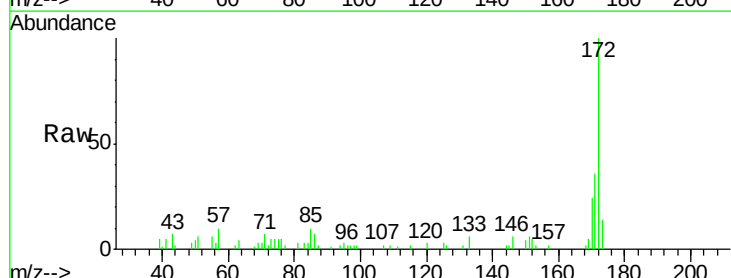
RT: 9.32 min Scan# 668

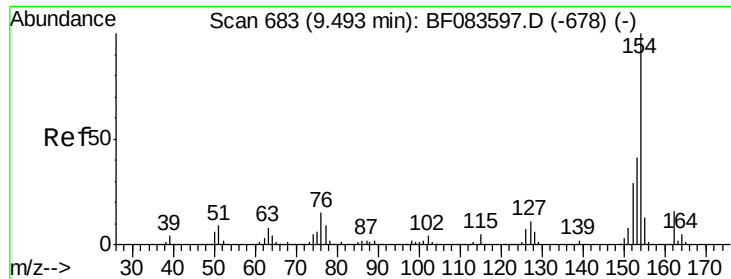
Delta R.T. -0.02 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 38064 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.1  | 28.6  | 42.8  |
| 170       | 24.2  | 19.4  | 29.0  |





#45

1,1'-Biphenyl

Concen: 3.25 ng

RT: 9.48 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

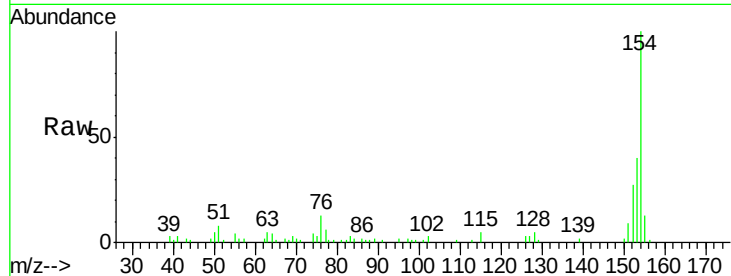
ClientSampleId :

SB-P3WC-15(0-8)DL

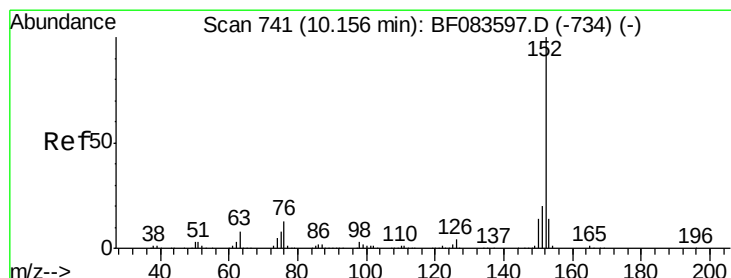
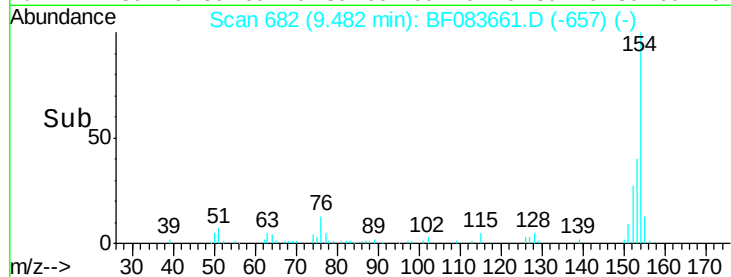
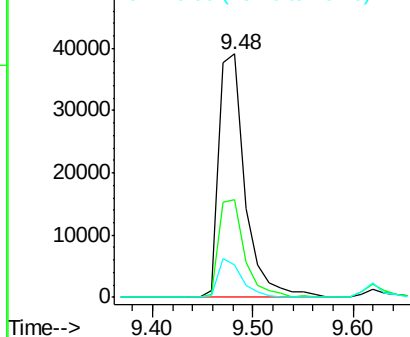
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 70981 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 40.0  | 20.2  | 60.2  |
| 76        | 13.1  | 0.0   | 34.8  |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 2.94 ng

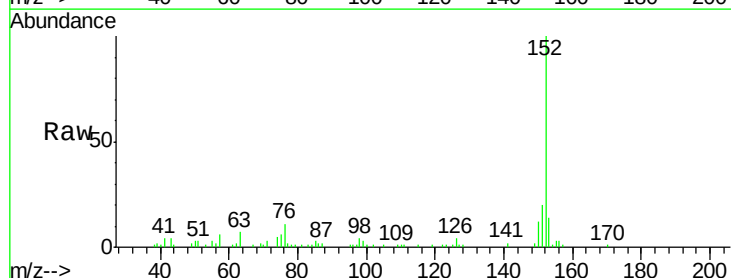
RT: 10.14 min Scan# 740

Delta R.T. -0.01 min

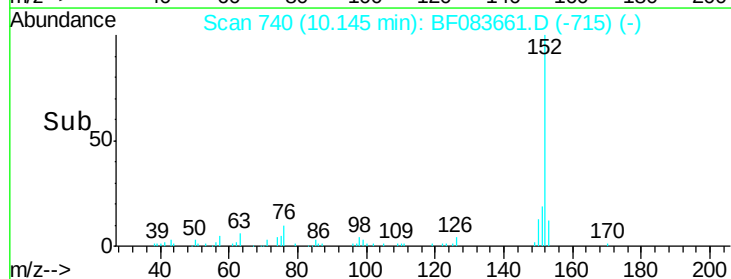
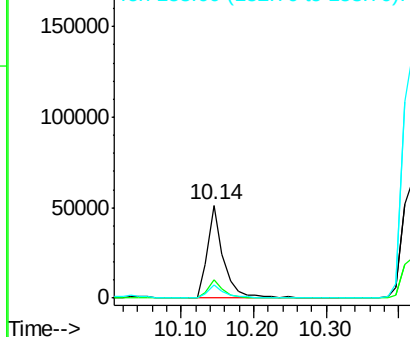
Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

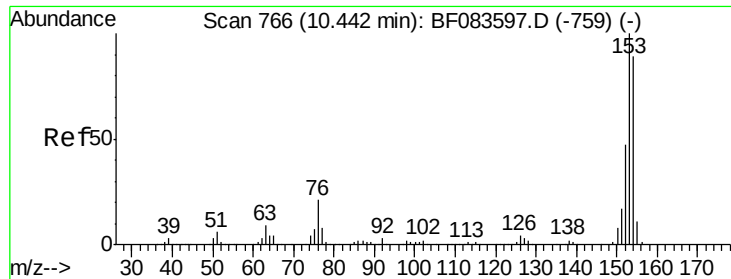
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 79755 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.6  | 16.3  | 24.5  |
| 153       | 13.7  | 10.8  | 16.2  |



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E







#51

Acenaphthene

Concen: 11.81 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083661.D

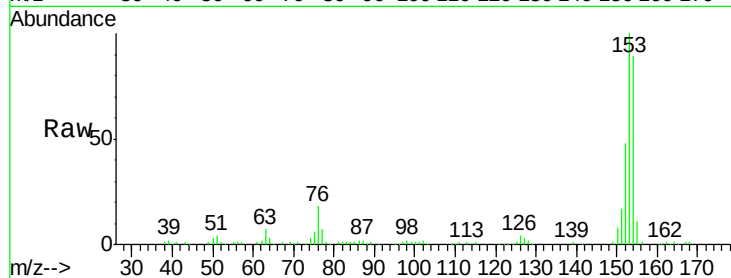
Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

ClientSampleId :

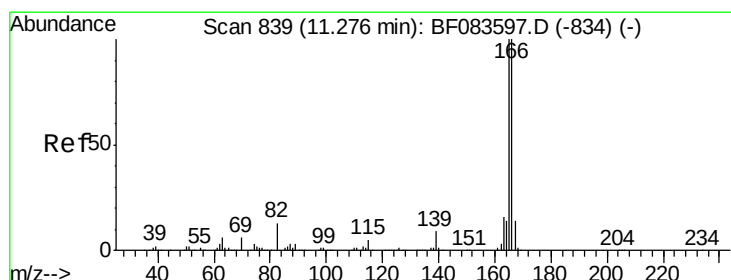
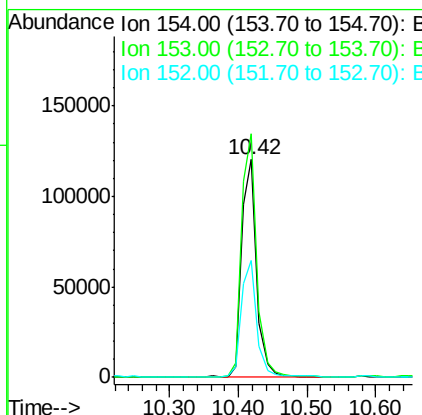
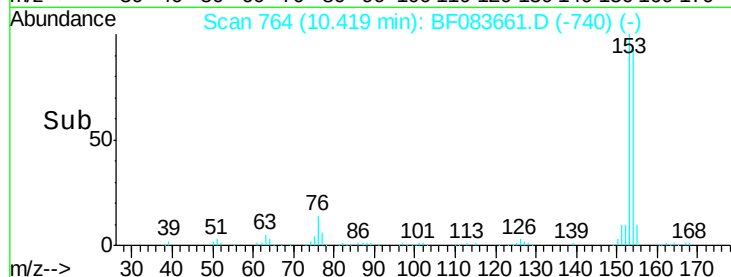
SB-P3WC-15(0-8)DL



|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 183643 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.8 | 91.4  | 137.0  |
| 152       | 53.5  | 43.4  | 65.2   |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM



#57

Fluorene

Concen: 6.40 ng

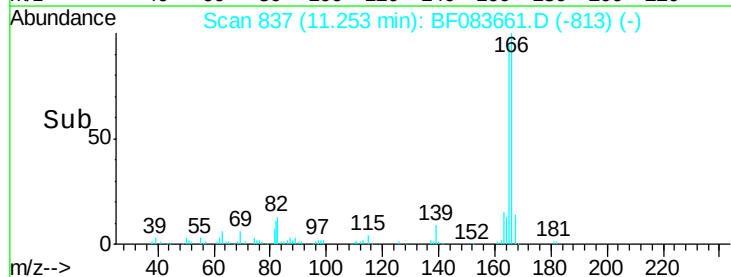
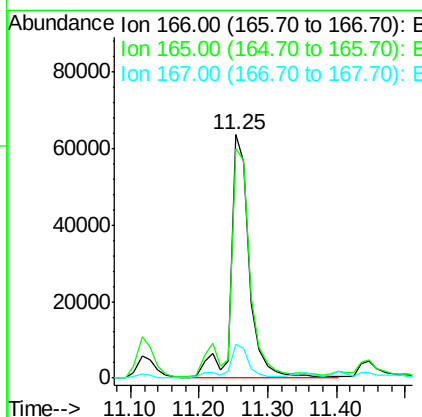
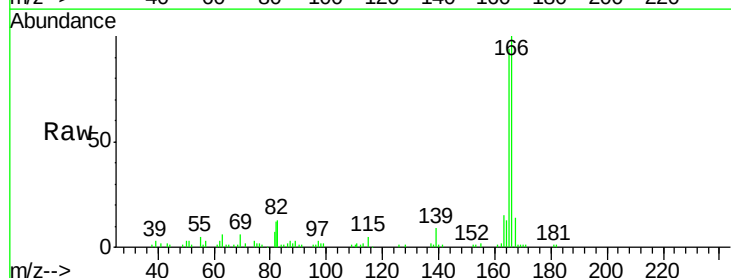
RT: 11.25 min Scan# 837

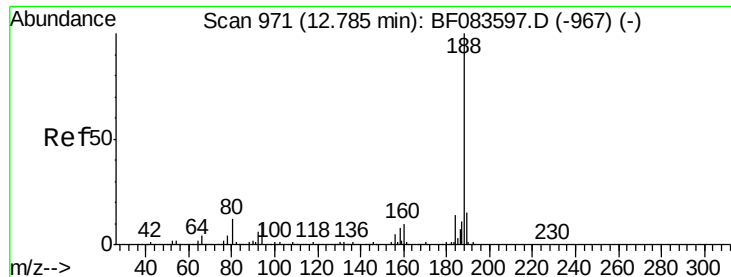
Delta R.T. -0.02 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 120380 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 94.4  | 80.0  | 120.0  |
| 167       | 14.0  | 10.6  | 16.0   |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

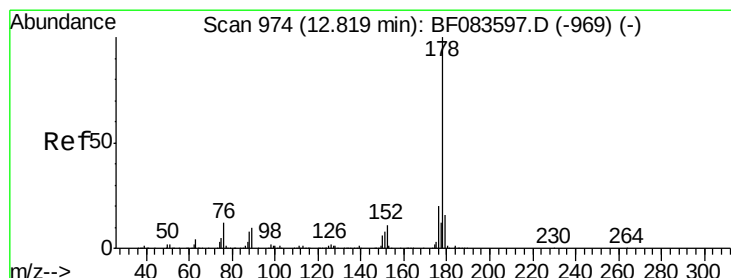
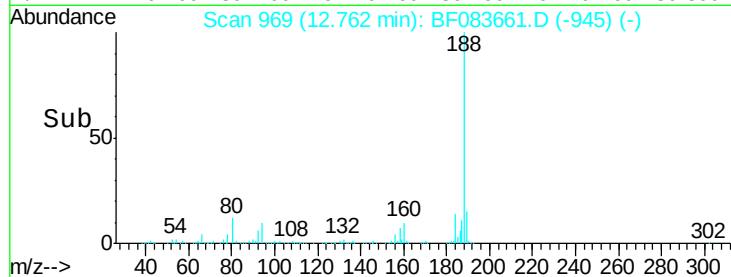
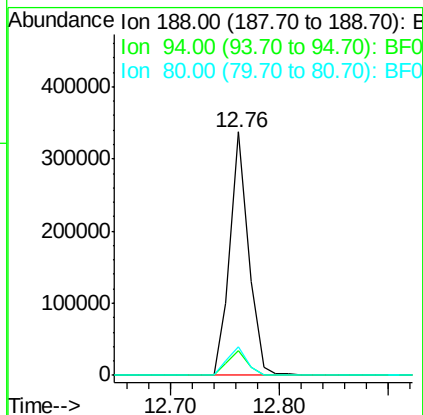
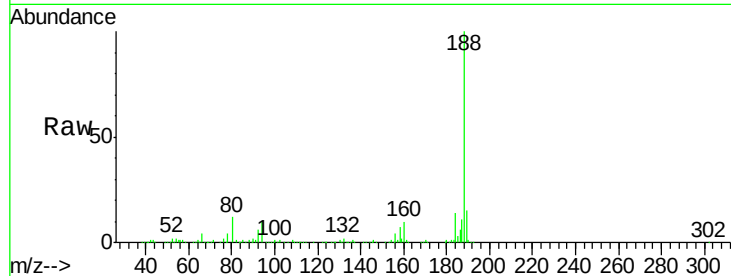
ClientSampleId :

SB-P3WC-15(0-8)DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 404014 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.2  | 9.4   | 14.2   |
| 80        | 11.9  | 10.6  | 16.0   |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM



#70

Phenanthrene

Concen: 28.30 ng

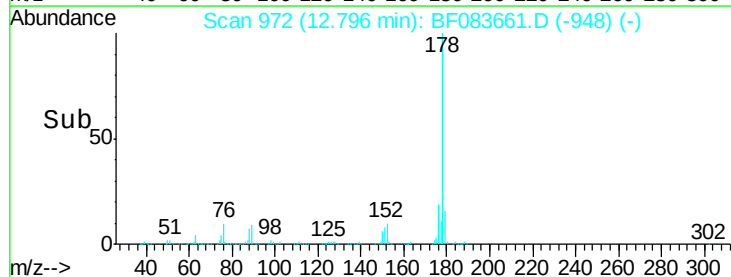
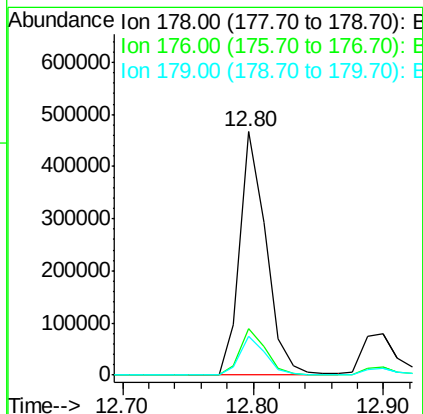
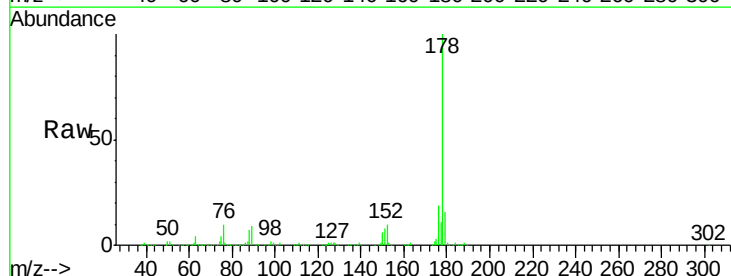
RT: 12.80 min Scan# 972

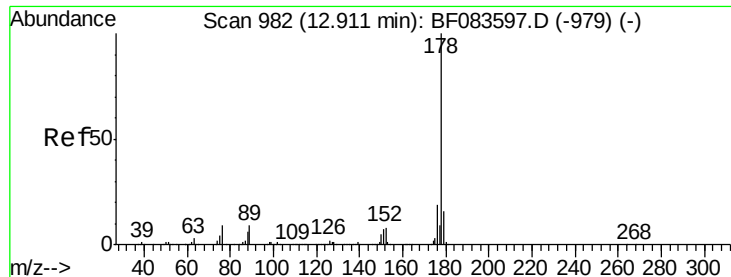
Delta R.T. -0.02 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 656848 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.1  | 15.7  | 23.5   |
| 179       | 15.7  | 12.2  | 18.4   |





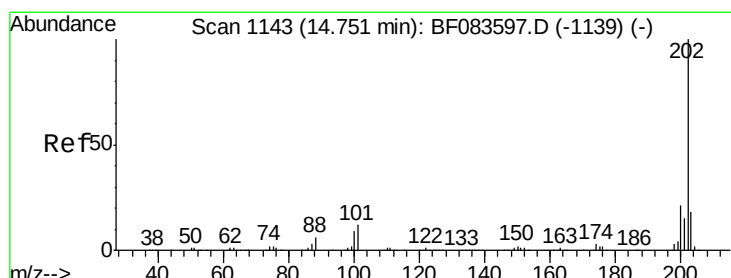
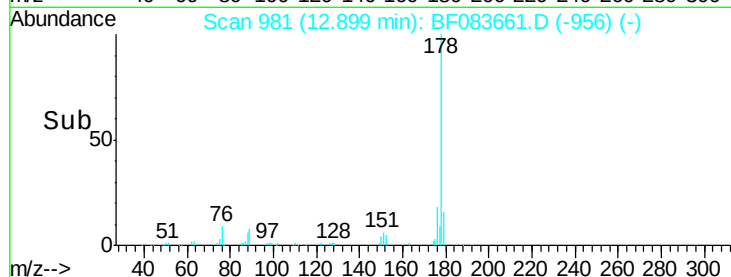
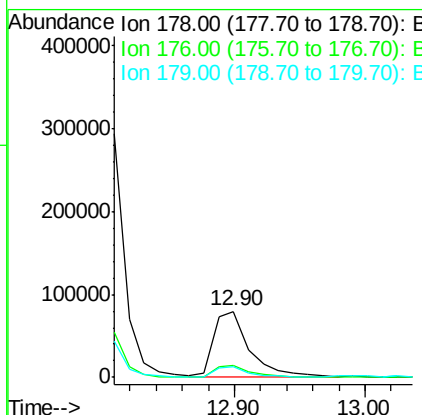
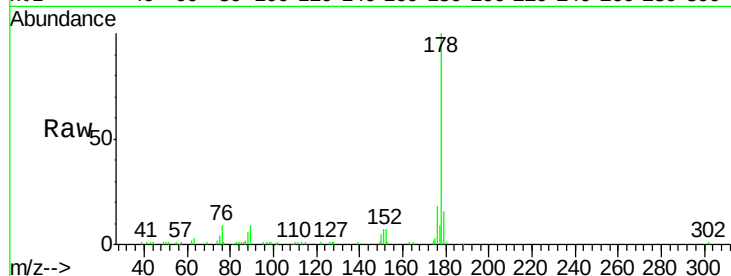
#71  
 Anthracene  
 Concen: 6.22 ng  
 RT: 12.90 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: BF083661.D  
 Acq: 10 Dec 2015 2:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-15(0-8)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 15.2  | 22.8  |
| 179     | 15.9  | 12.6  | 18.8  |

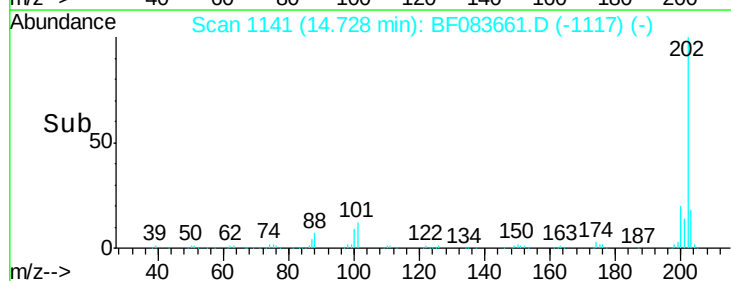
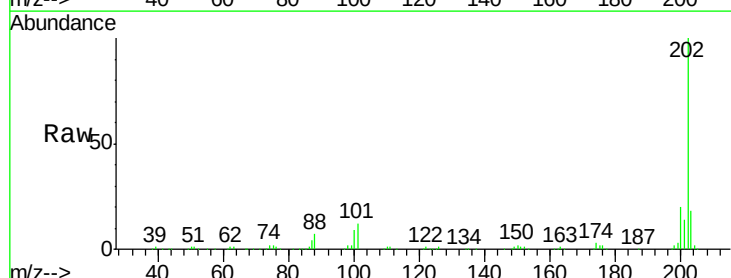
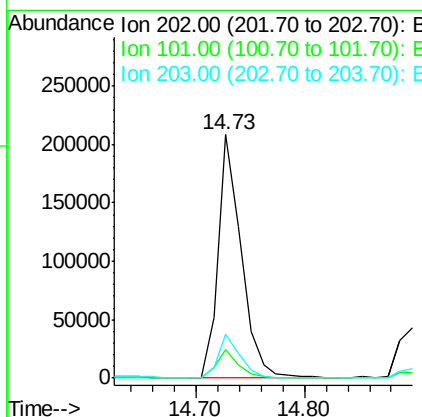
Manual Integrations  
 APPROVED

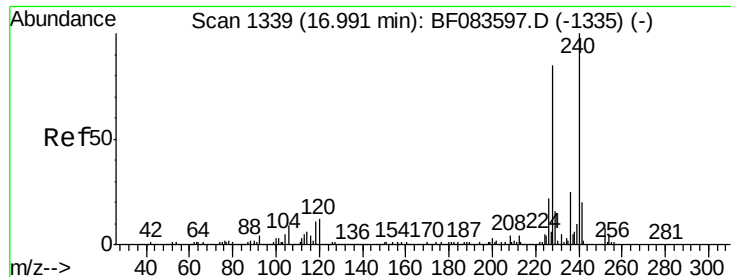
MMdadoda  
 12/10/2015 5:50:23 PM



#74  
 Fluoranthene  
 Concen: 13.06 ng  
 RT: 14.73 min Scan# 1141  
 Delta R.T. -0.02 min  
 Lab File: BF083661.D  
 Acq: 10 Dec 2015 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.9  | 0.0   | 31.5  |
| 203     | 18.1  | 0.0   | 37.6  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

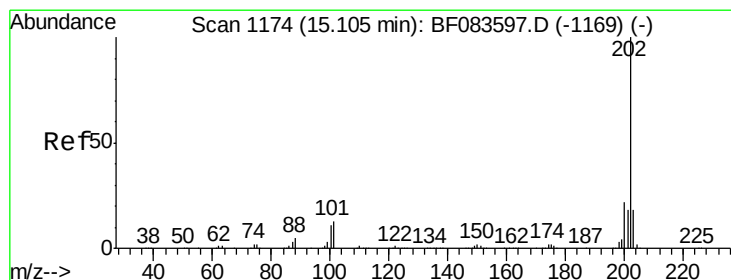
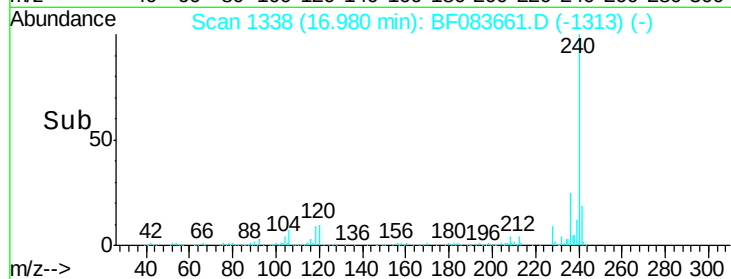
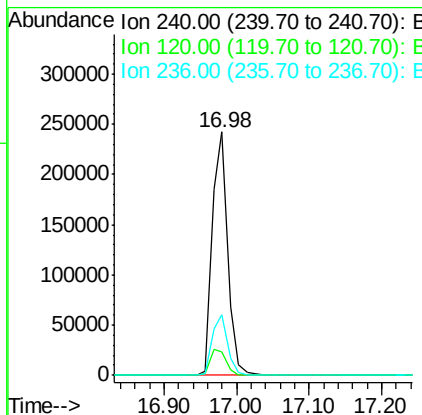
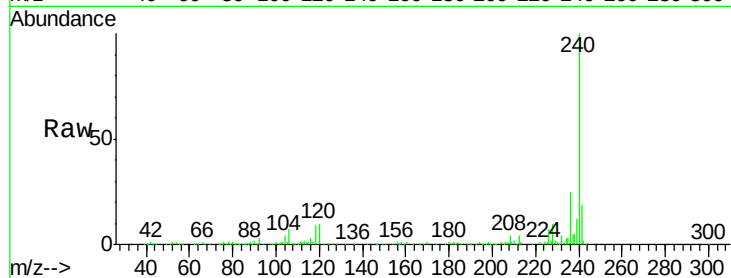
ClientSampleId :

SB-P3WC-15(0-8)DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 356530 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.6   | 8.1   | 12.1   |
| 236       | 24.8  | 20.8  | 31.2   |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM



#77

Pyrene

Concen: 15.89 ng

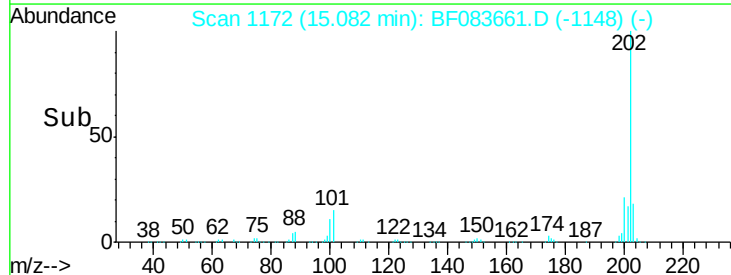
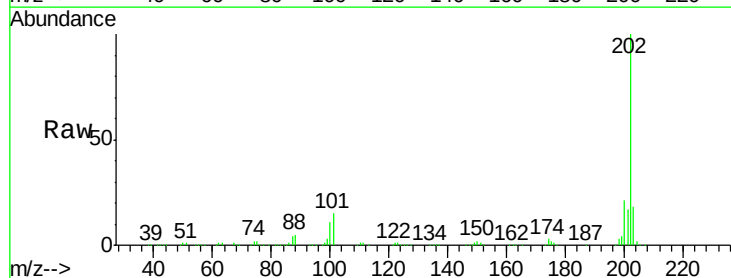
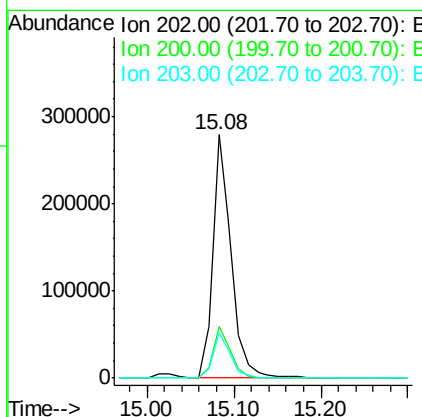
RT: 15.08 min Scan# 1172

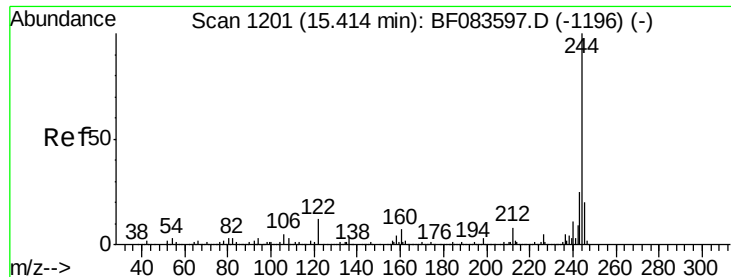
Delta R.T. -0.02 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 407939 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.1  | 16.7  | 25.1   |
| 203       | 18.5  | 14.3  | 21.5   |





#78

Terphenyl-d14

Concen: 1.82 ng

RT: 15.39 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

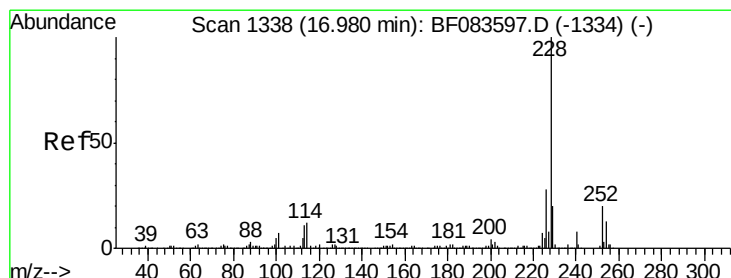
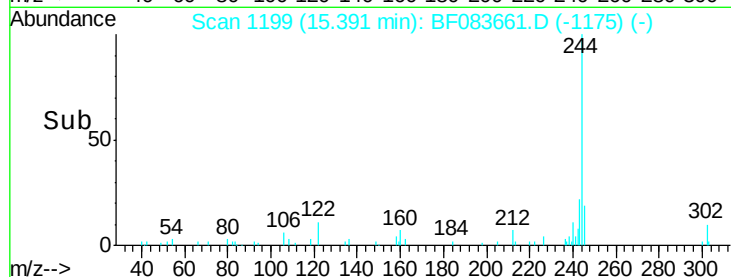
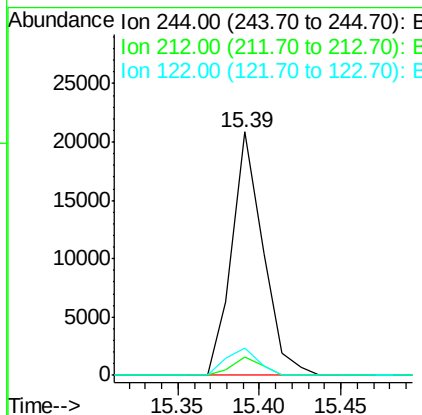
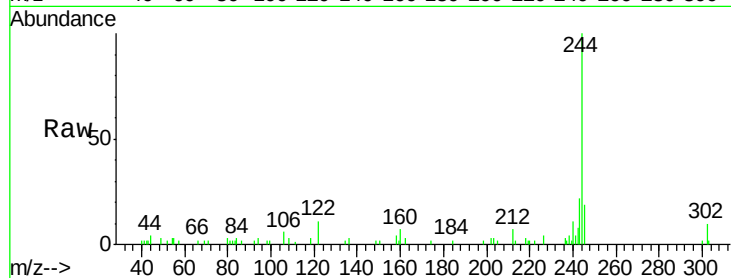
ClientSampleId :

SB-P3WC-15(0-8)DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 27543 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.4   | 6.1   | 9.1   |
| 122       | 11.1  | 11.0  | 16.6  |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM



#80

Benzo(a)anthracene

Concen: 6.06 ng m

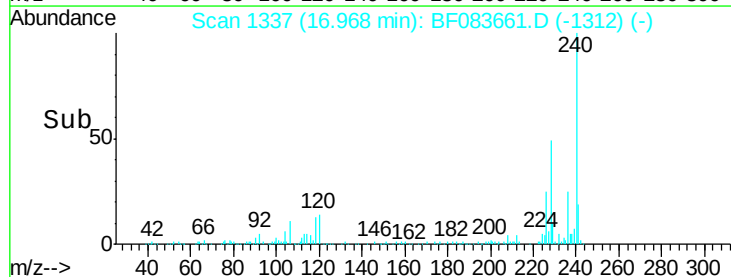
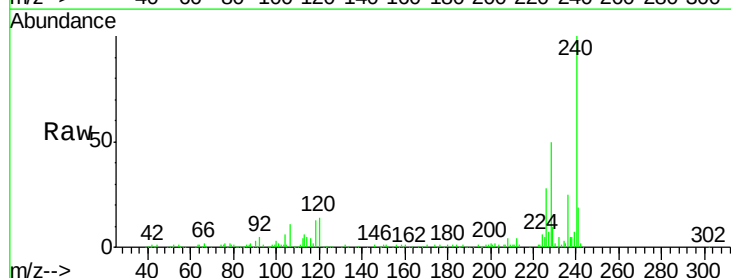
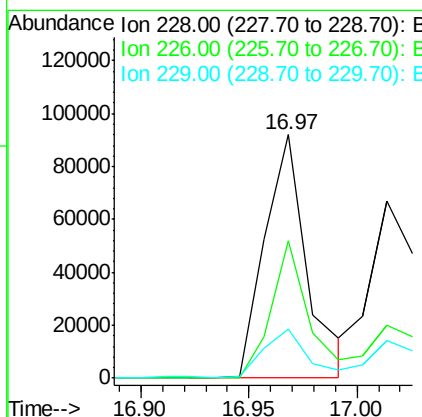
RT: 16.97 min Scan# 1337

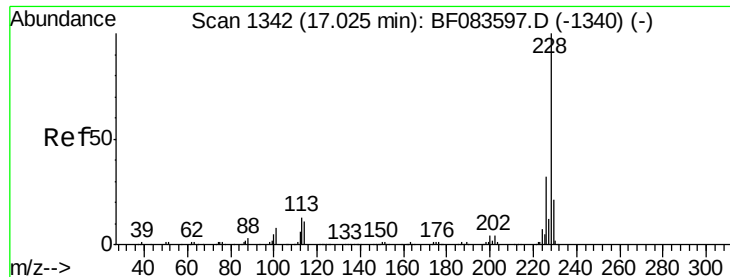
Delta R.T. -0.01 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 126559 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 56.5  | 22.3  | 33.5#  |
| 229       | 19.9  | 15.7  | 23.5   |





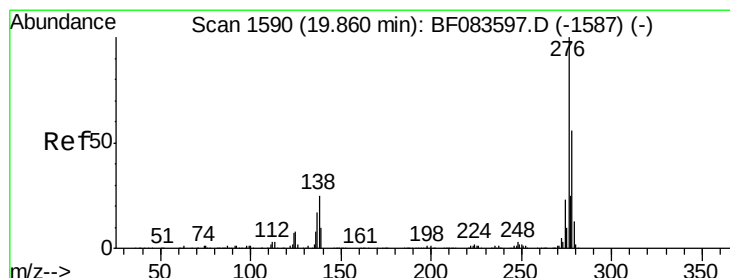
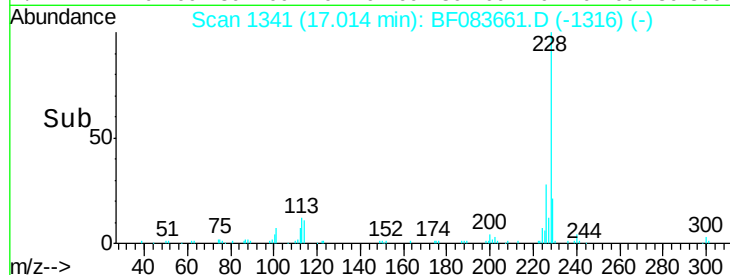
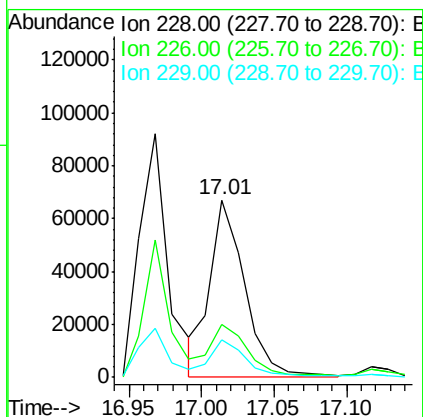
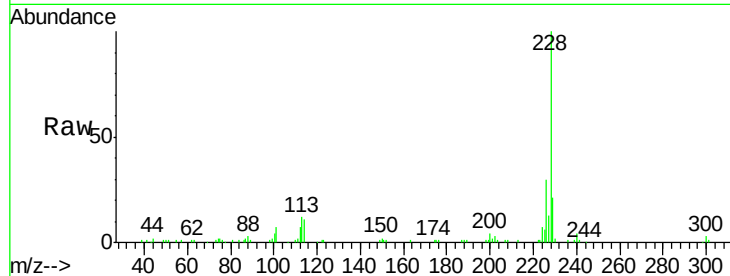
#82  
Chrysene  
Concen: 5.39 ng  
RT: 17.01 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-15(0-8)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 24.7  | 37.1  |
| 229     | 21.2  | 16.3  | 24.5  |

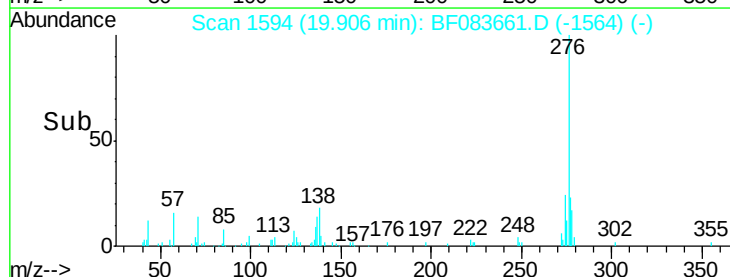
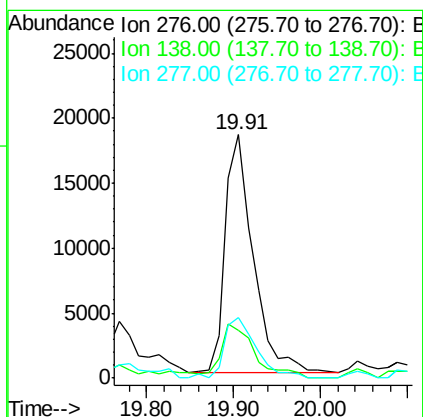
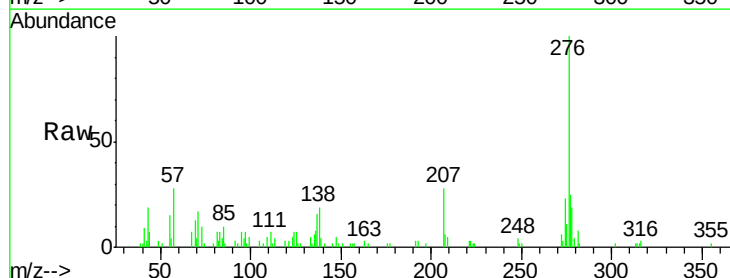
Manual Integrations  
APPROVED

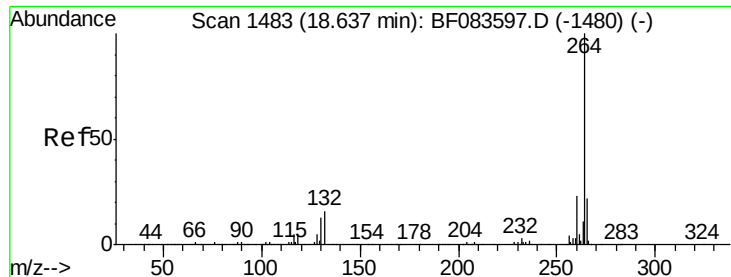
MMdadoda  
12/10/2015 5:50:23 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 2.91 ng  
RT: 19.91 min Scan# 1594  
Delta R.T. 0.05 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.5  | 0.0   | 0.0#  |
| 277     | 29.2  | 0.0   | 0.0#  |





#86

Pervlene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

Instrument :

BNA\_F

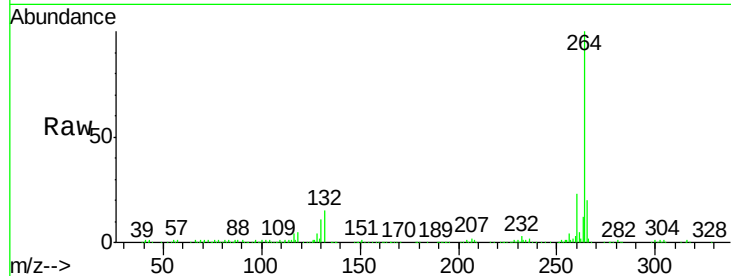
ClientSampleId :

SB-P3WC-15(0-8)DL

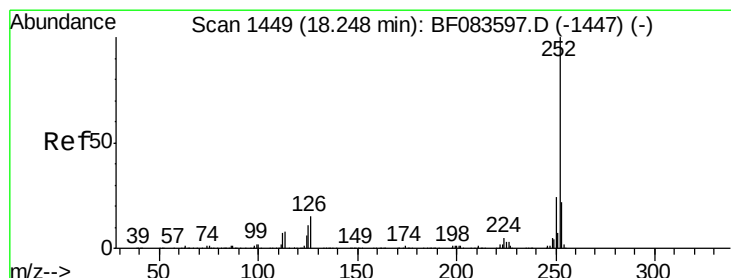
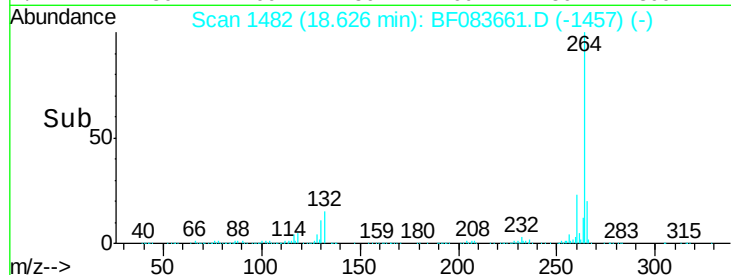
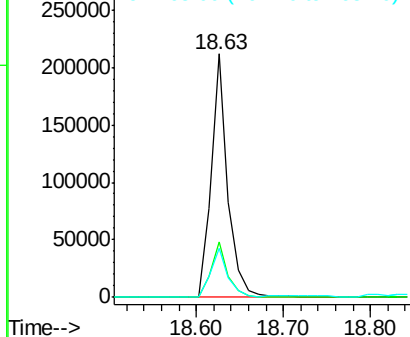
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 282526 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.0 | 19.4  | 29.0   |
| 265       | 20.2 | 17.8  | 26.6   |

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 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



#87

Benzo(b)fluoranthene

Concen: 6.39 ng m

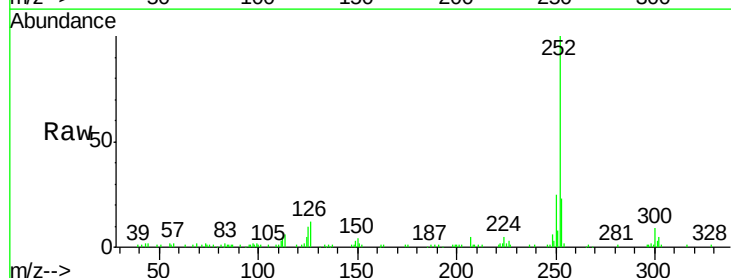
RT: 18.26 min Scan# 1450

Delta R.T. 0.01 min

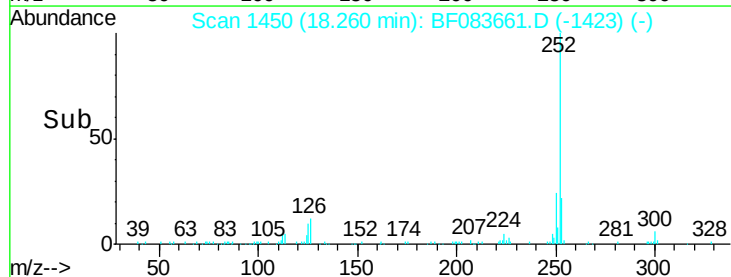
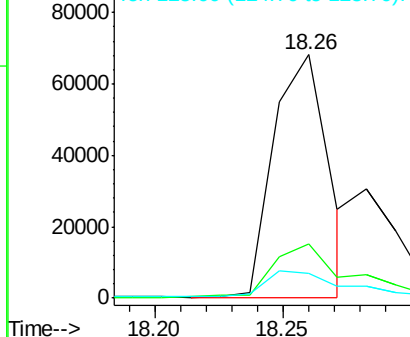
Lab File: BF083661.D

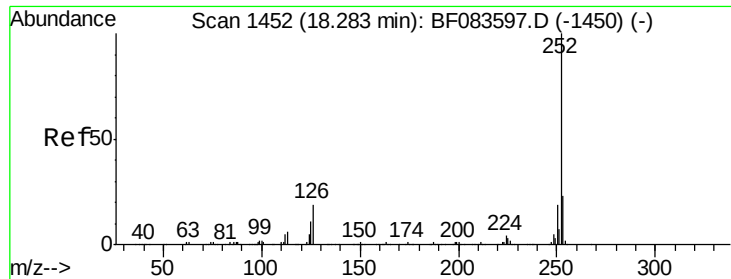
Acq: 10 Dec 2015 2:46

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 102884 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.5 | 18.2  | 27.4   |
| 125       | 10.2 | 8.2   | 12.4   |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





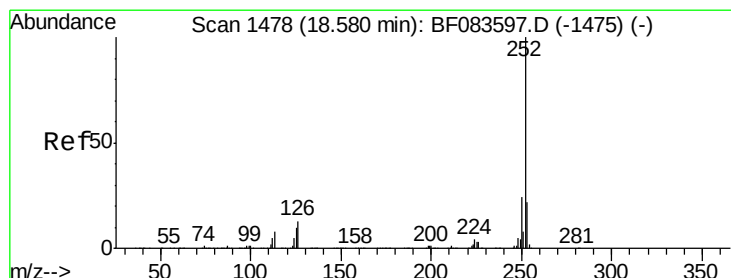
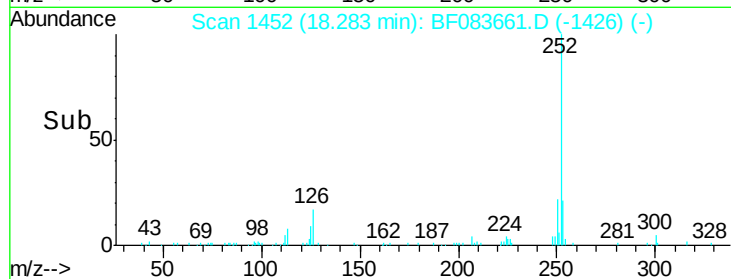
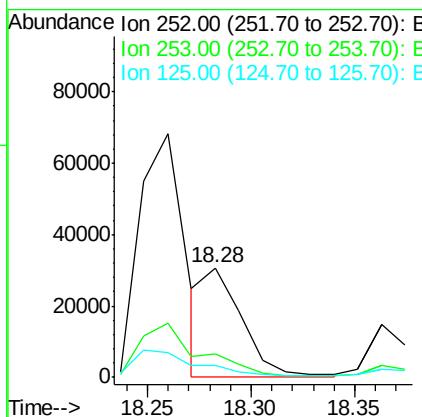
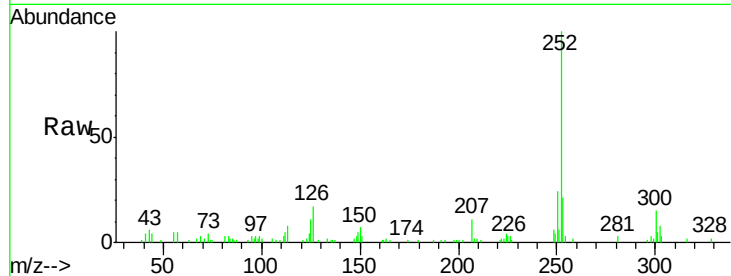
#88  
Benzo(k)fluoranthene  
Concen: 2.23 ng m  
RT: 18.28 min Scan# 1452  
Delta R.T. 0.00 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-15(0-8)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 18.6  | 27.8  |
| 125     | 10.7  | 11.5  | 17.3  |

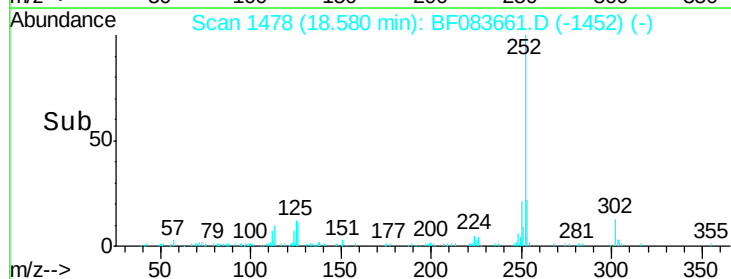
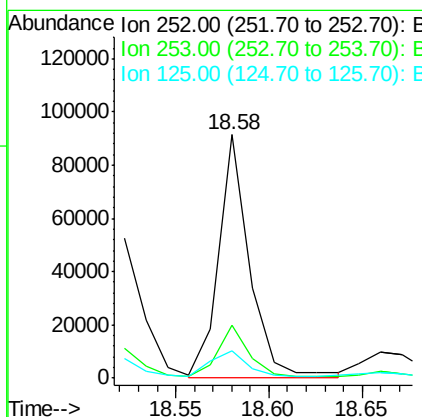
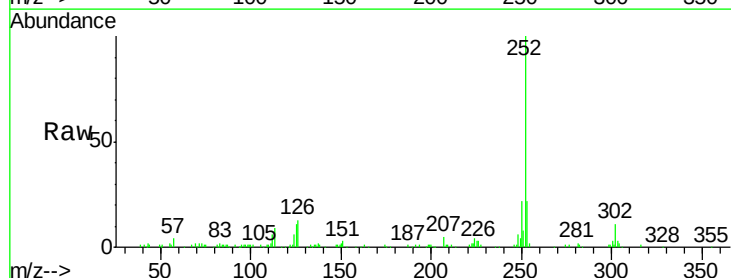
Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM

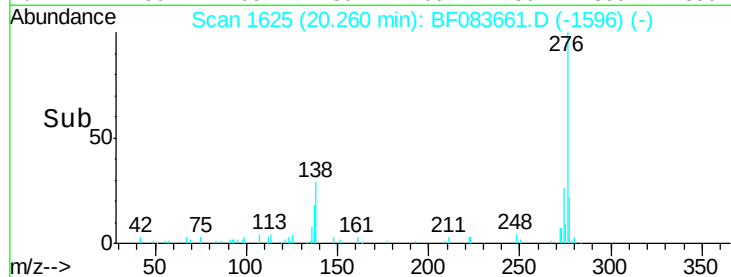
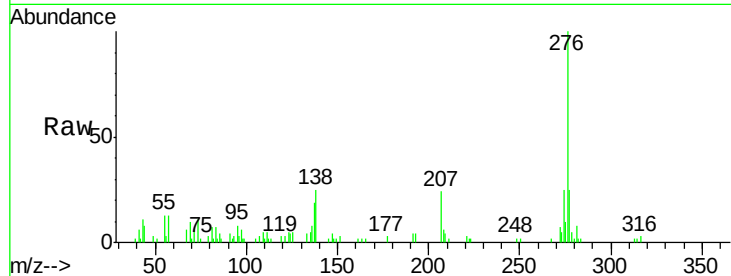
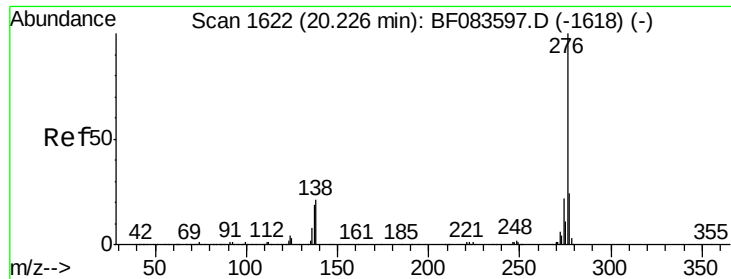


#89  
Benzo(a)pyrene  
Concen: 6.70 ng  
RT: 18.58 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: BF083661.D  
Acq: 10 Dec 2015 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.5  | 26.3  |
| 125     | 11.3  | 11.0  | 16.6  |







#91

Benzo(a,h,i)perylene

Concen: 4.15 ng

RT: 20.26 min Scan# 1625

Delta R.T. 0.03 min

Lab File: BF083661.D

Acq: 10 Dec 2015 2:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 48613 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.7  | 19.2  | 28.8  |
| 138       | 25.1  | 19.5  | 29.3  |

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-15(0-8)DL

Manual Integrations  
APPROVED

MMdadoda  
12/10/2015 5:50:23 PM

