

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\  
 Data File : BF083387.D  
 Acq On : 1 Dec 2015 22:28  
 Operator : UM/IZ  
 Sample : G4593-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S18-15

Manual Integrations  
 APPROVED

Mmdadoda  
 12/2/2015 6:12:58 PM

Quant Time: Dec 02 04:05:43 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 01 01:17:16 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.54  | 152  | 155612   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.84  | 136  | 618285   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.58  | 164  | 295180   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.13 | 188  | 516482   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.75 | 240  | 320087   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 16.82 | 264  | 343314   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.14  | 112  | 1285885  | 124.00 | ng    | 0.01     |
| 7) Phenol-d6                | 6.22  | 99   | 1967675  | 138.62 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.13  | 82   | 1173490  | 83.43  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.37 | 330  | 313641   | 105.85 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.92  | 172  | 1758755  | 84.91  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.22 | 244  | 1303282  | 97.10  | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 31) Naphthalene            | 7.86  | 128  | 88835    | 2.65  | ng    | 98     |
| 49) Dimethylphthalate      | 9.32  | 163  | 377751   | 15.75 | ng    | 98     |
| 51) Acenaphthene           | 9.62  | 154  | 152822   | 8.26  | ng    | 98     |
| 54) Dibenzofuran           | 9.79  | 168  | 145798   | 5.38  | ng    | 91     |
| 57) Fluorene               | 10.12 | 166  | 158082   | 7.38  | ng    | 96     |
| 70) Phenanthrene           | 11.16 | 178  | 2055869  | 67.26 | ng    | 99     |
| 71) Anthracene             | 11.21 | 178  | 494569   | 16.07 | ng    | 98     |
| 72) Carbazole              | 11.41 | 167  | 175222   | 6.34  | ng    | 99     |
| 74) Fluoranthene           | 12.67 | 202  | 2083096  | 65.75 | ng    | 96     |
| 77) Pyrene                 | 12.98 | 202  | 1753278  | 78.43 | ng    | 97     |
| 80) Benzo(a)anthracene     | 14.74 | 228  | 745037   | 37.99 | ng    | 99     |
| 82) Chrysene               | 14.79 | 228  | 648116   | 34.21 | ng    | 97     |
| 85) Indeno(1,2,3-cd)pyrene | 18.20 | 276  | 391515   | 28.37 | ng    | 96     |
| 87) Benzo(b)fluoranthene   | 16.31 | 252  | 745484m  | 33.84 | ng    |        |
| 88) Benzo(k)fluoranthene   | 16.34 | 252  | 280031m  | 13.46 | ng    |        |
| 89) Benzo(a)pyrene         | 16.75 | 252  | 608322   | 32.15 | ng    | 99     |
| 90) Dibenzo(a,h)anthracene | 18.21 | 278  | 92606m   | 5.62  | ng    |        |
| 91) Benzo(g,h,i)perylene   | 18.58 | 276  | 373935   | 23.11 | ng    | 98     |

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

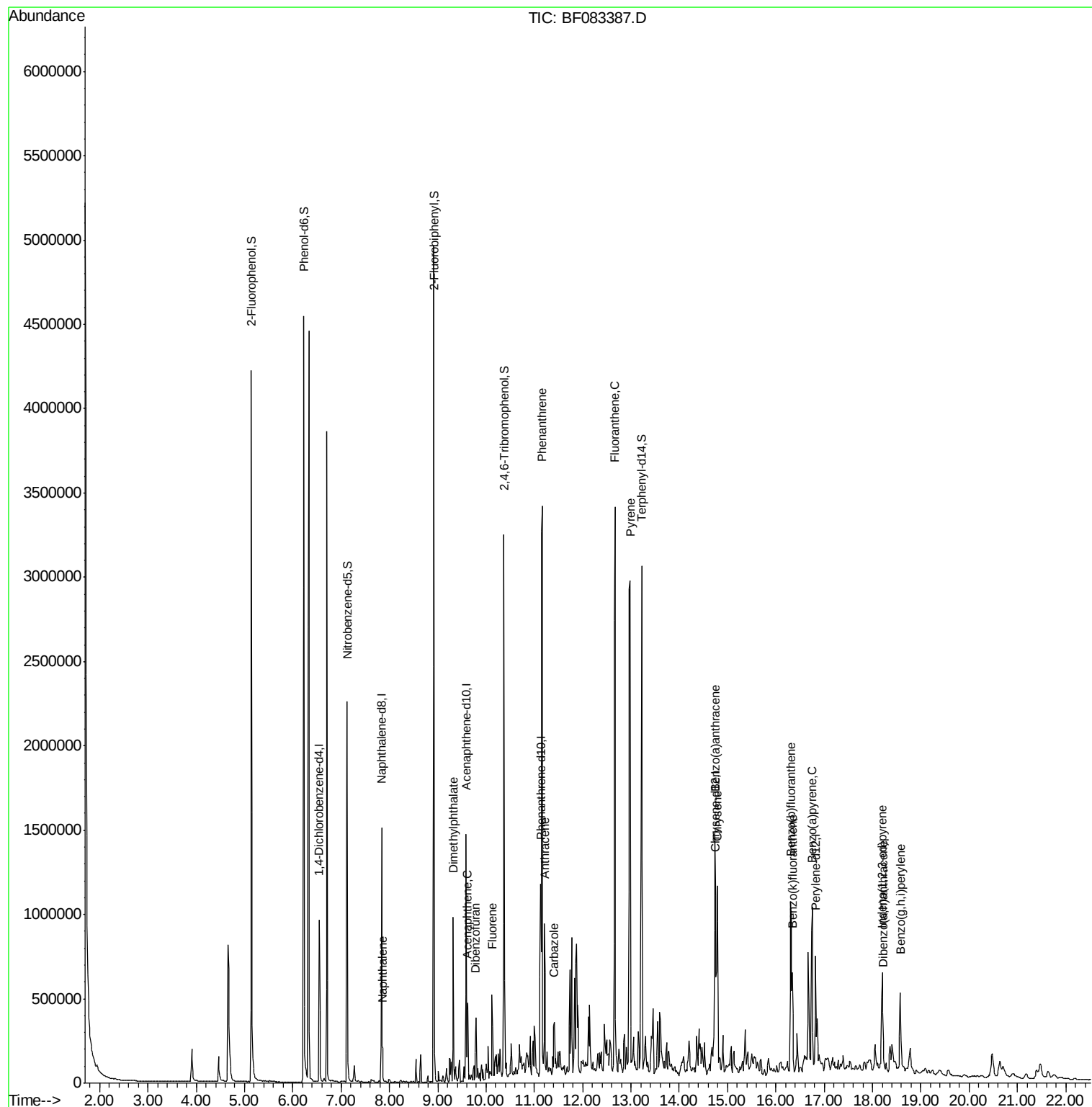
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\  
Data File : BF083387.D  
Acq On : 1 Dec 2015 22:28  
Operator : UM/IZ  
Sample : G4593-07  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

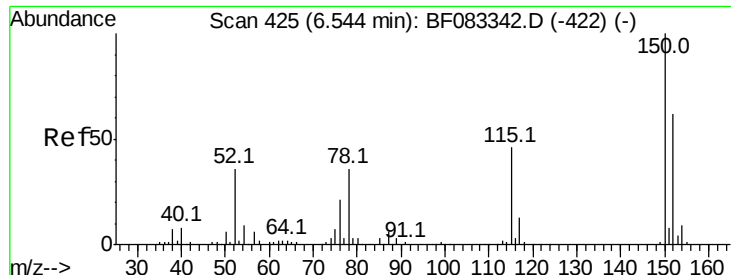
Instrument :  
BNA\_F  
ClientSampleId :  
S18-15

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM

Quant Time: Dec 02 04:05:43 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 01 01:17:16 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

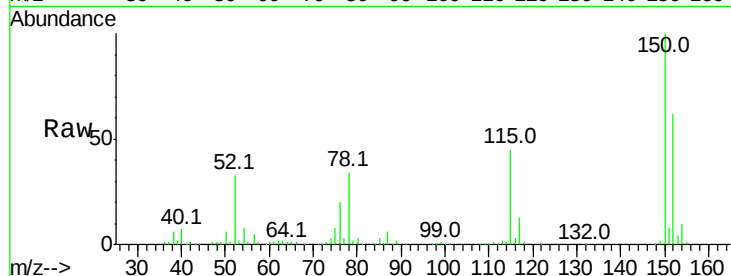
ClientSampleId :

S18-15

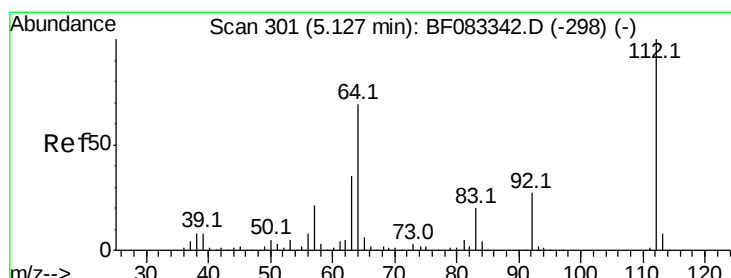
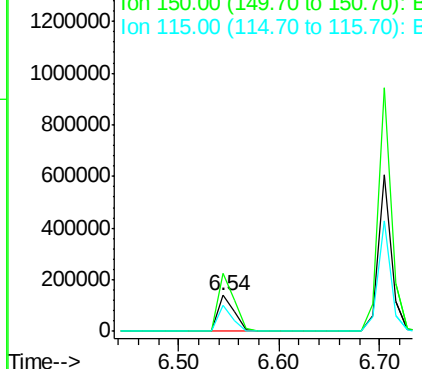
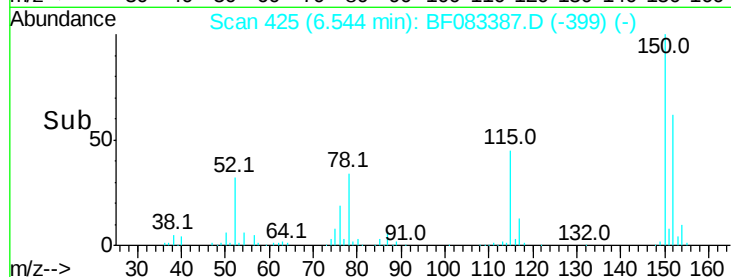
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 155612 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 161.3 | 129.8 | 194.8  |
| 115       | 71.8  | 59.2  | 88.8   |

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 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: 124.00 ng

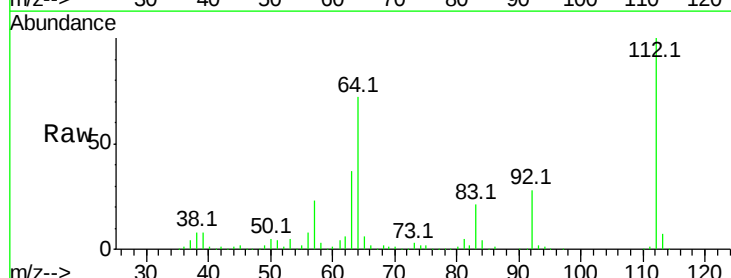
RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

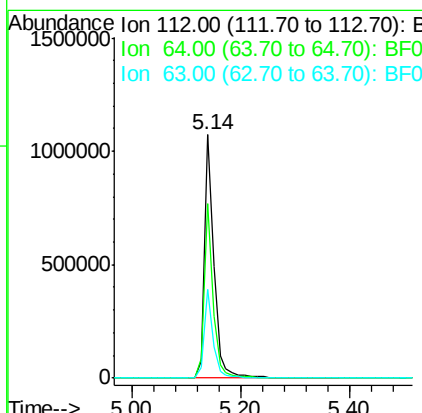
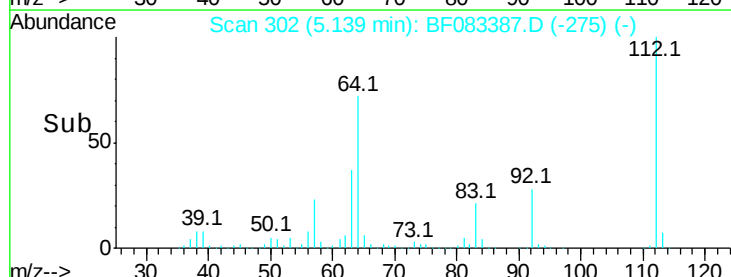
Lab File: BF083387.D

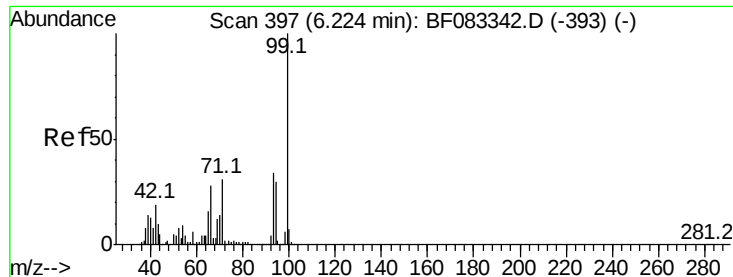
Acq: 1 Dec 2015 22:28

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 112   | Resp: | 1285885 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 71.9  | 55.6  | 83.4    |
| 63        | 36.5  | 28.2  | 42.2    |



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: 138.62 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

ClientSampleId :

S18-15

Tot Ion: 99 Resp: 1967675

Ion Ratio Lower Upper

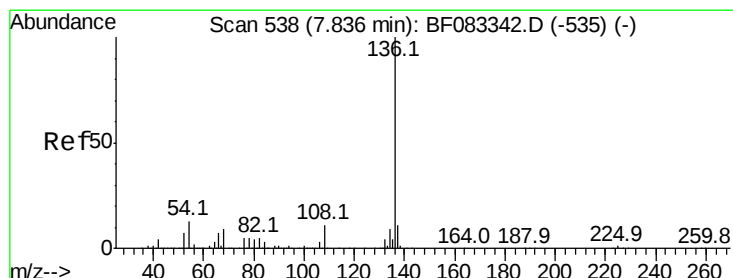
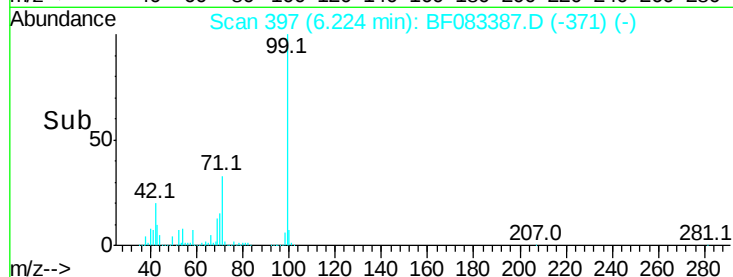
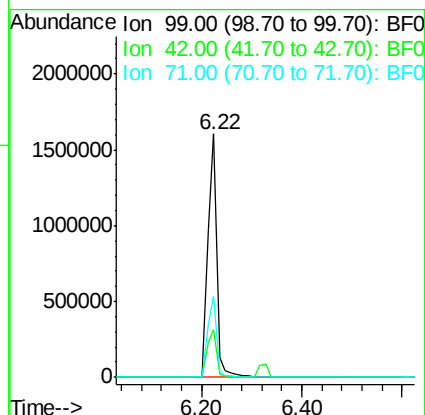
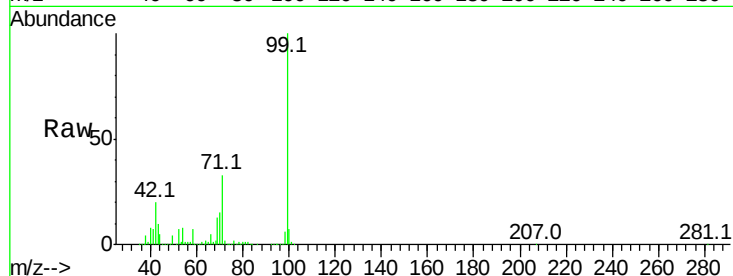
99 100

42 19.5 14.9 22.3

71 33.1 24.7 37.1

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Tgt Ion: 136 Resp: 618285

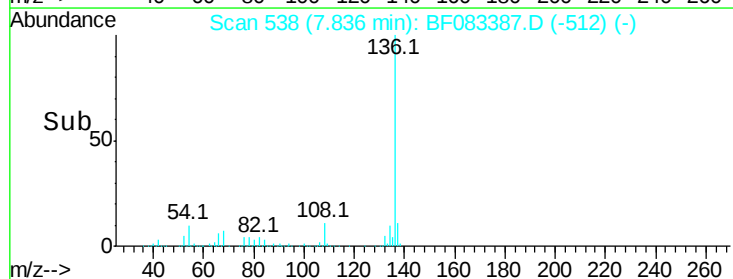
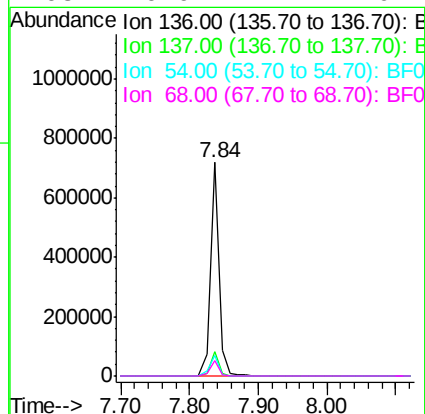
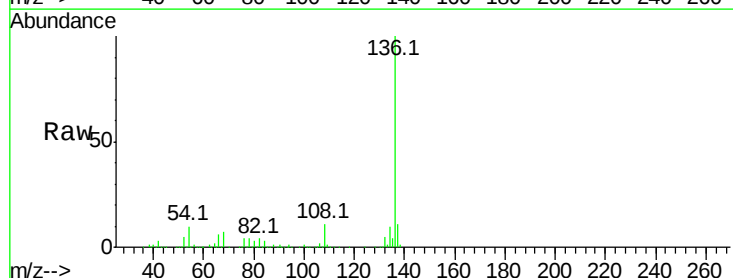
Ion Ratio Lower Upper

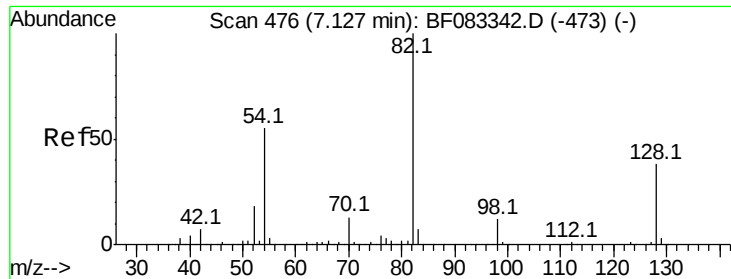
136 100

137 11.2 9.0 13.4

54 9.6 10.1 15.1#

68 6.9 7.1 10.7#





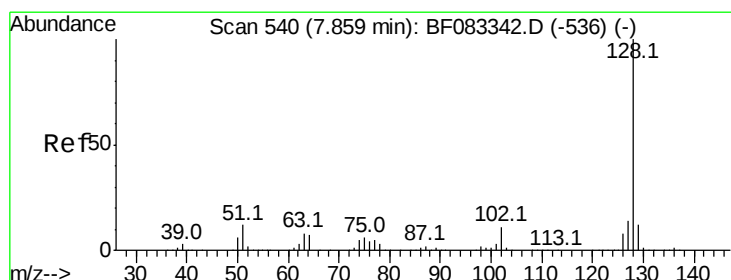
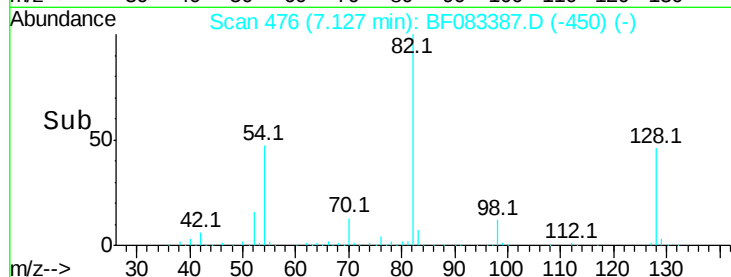
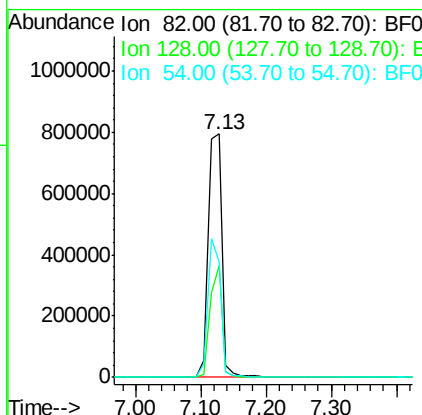
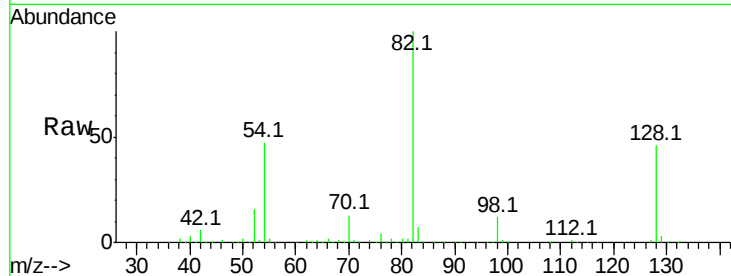
#23  
Nitrobenzene-d5  
Concen: 83.43 ng  
RT: 7.13 min Scan# 476  
Delta R.T. -0.00 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

Instrument :  
BNA\_F  
ClientSampleId :  
S18-15

Tot Ion: 82 Resp: 1173490  
Ion Ratio Lower Upper  
82 100  
128 46.2 30.6 46.0#  
54 47.4 43.8 65.6

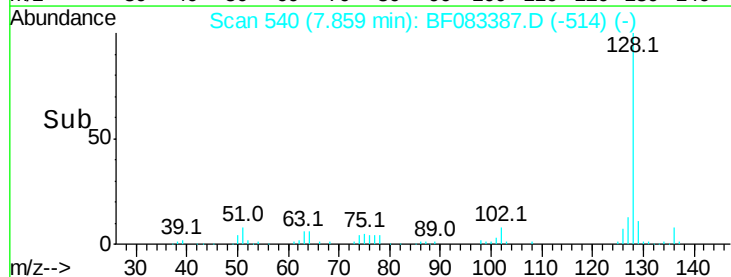
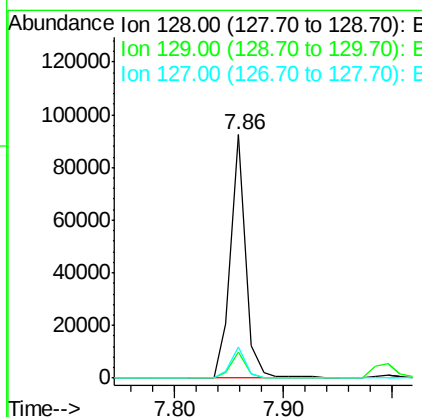
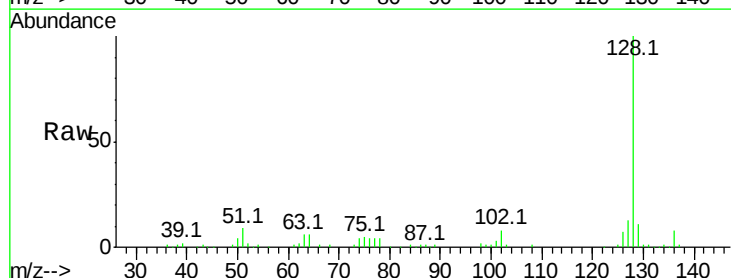
Manual Integrations  
APPROVED

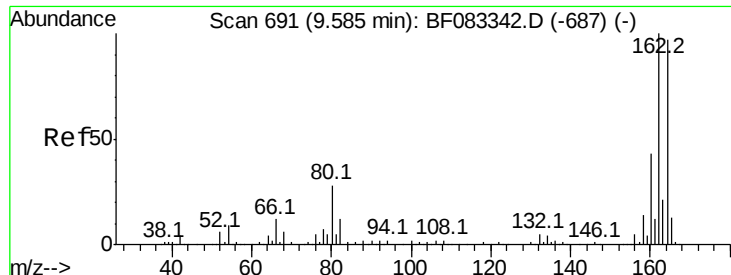
Mmdadoda  
12/2/2015 6:12:58 PM



#31  
Naphthalene  
Concen: 2.65 ng  
RT: 7.86 min Scan# 540  
Delta R.T. -0.00 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

Tgt Ion: 128 Resp: 88835  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.7 14.5  
127 13.0 11.0 16.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

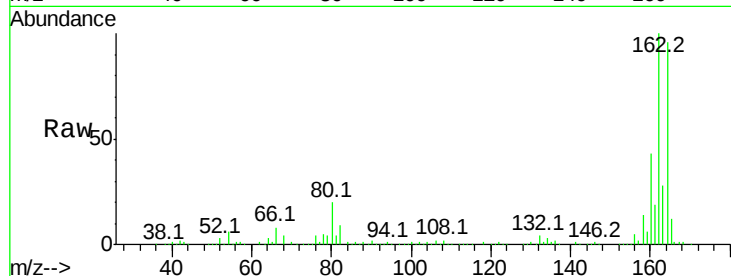
ClientSampleId :

S18-15

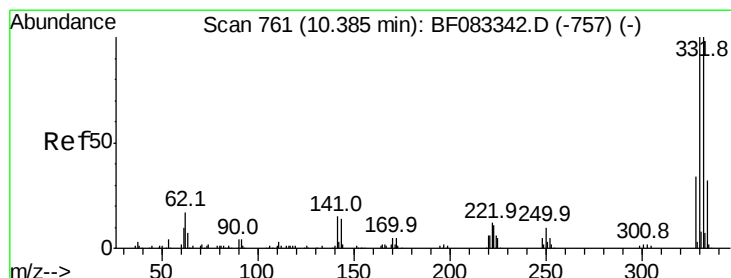
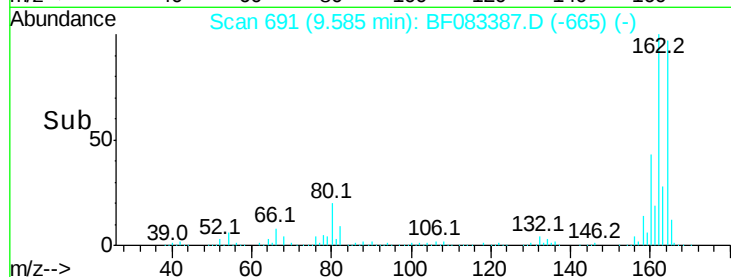
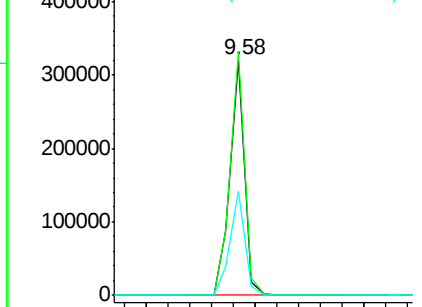
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 295180 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.7 | 82.6  | 123.8  |
| 160       | 44.4  | 35.3  | 52.9   |

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM



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: 105.85 ng

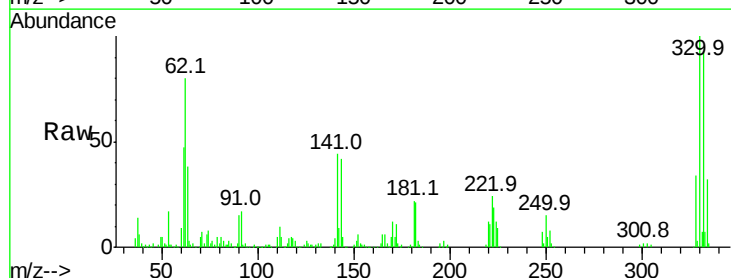
RT: 10.37 min Scan# 760

Delta R.T. -0.01 min

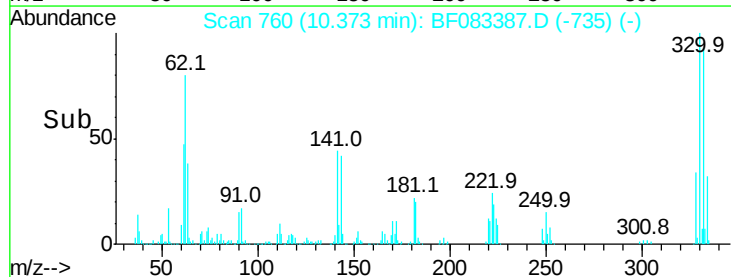
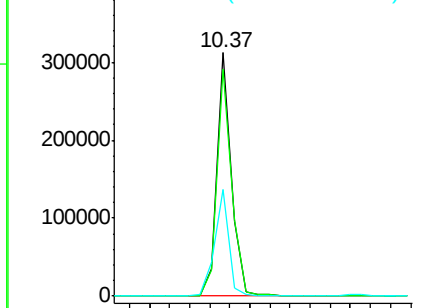
Lab File: BF083387.D

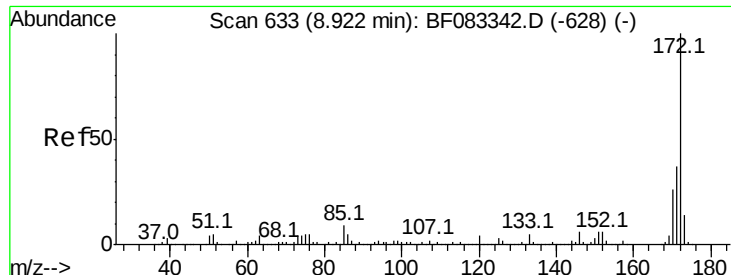
Acq: 1 Dec 2015 22:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 313641 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.3  | 77.8  | 116.6  |
| 141       | 42.5  | 29.4  | 44.0   |



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





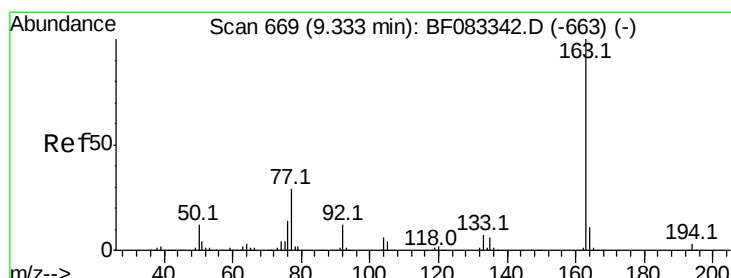
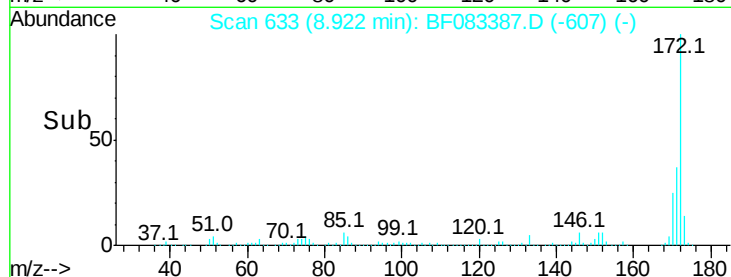
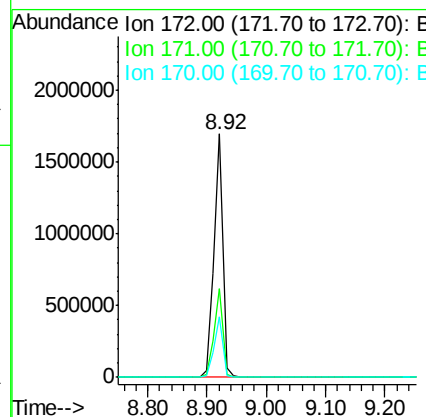
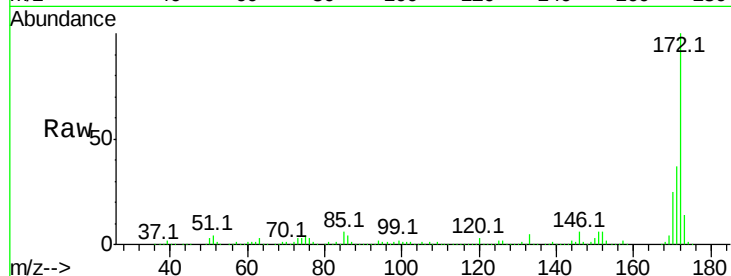
#44  
2-Fluorobiphenyl  
Concen: 84.91 ng  
RT: 8.92 min Scan# 633  
Delta R.T. -0.00 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

Instrument :  
BNA\_F  
ClientSampleId :  
S18-15

Tot Ion:172 Resp: 1758755  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.4 44.0  
170 25.1 20.4 30.6

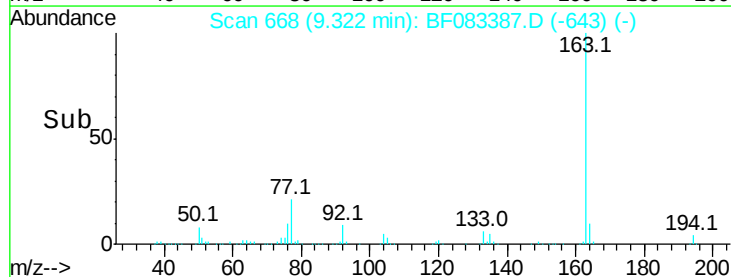
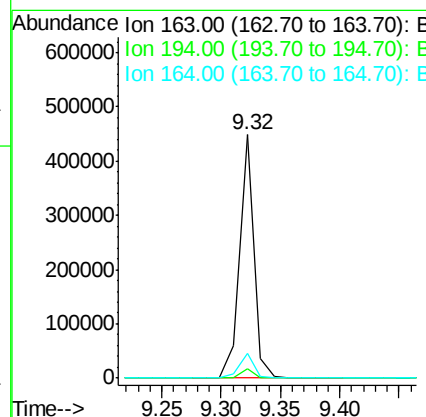
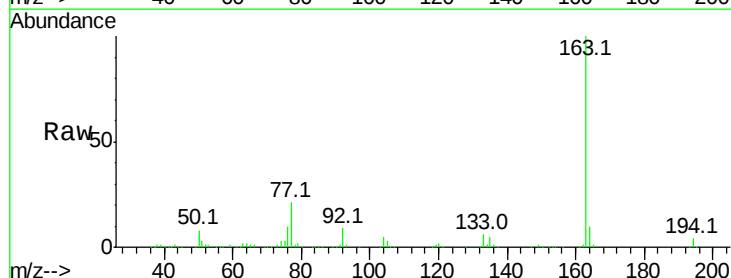
Manual Integrations  
APPROVED

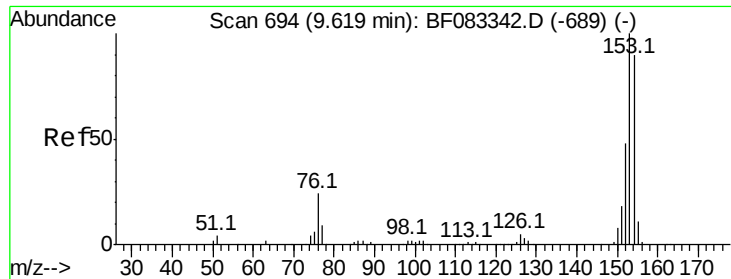
Mmdadoda  
12/2/2015 6:12:58 PM



#49  
Dimethylphthalate  
Concen: 15.75 ng  
RT: 9.32 min Scan# 668  
Delta R.T. -0.01 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

Tgt Ion:163 Resp: 377751  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 10.3 8.8 13.2





#51

Acenaphthene

Concen: 8.26 ng

RT: 9.62 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

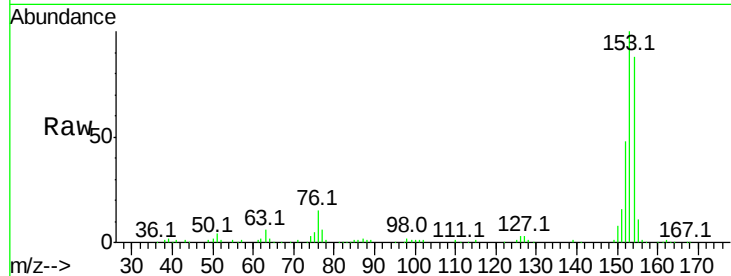
ClientSampleId :

S18-15

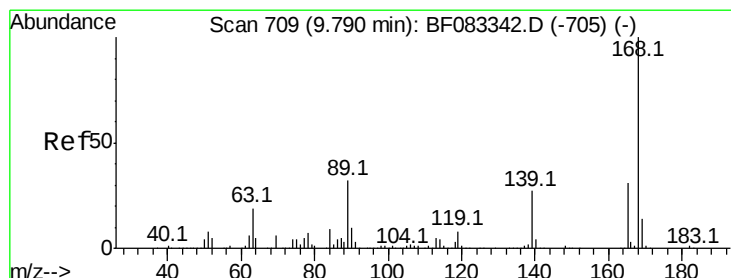
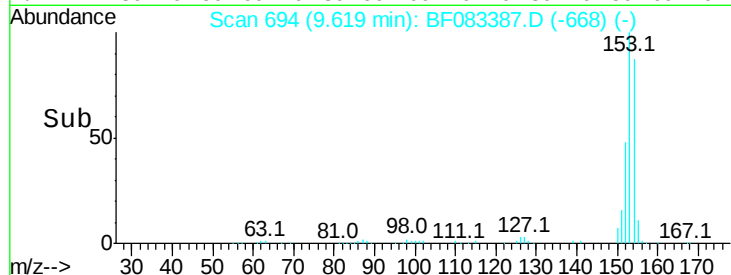
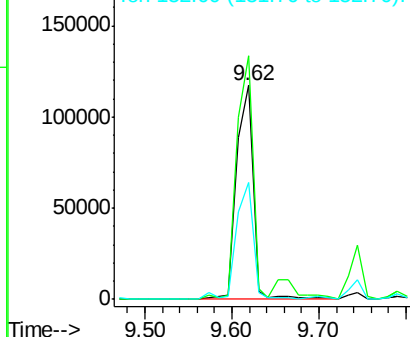
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 152822 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.0 | 89.3  | 133.9  |
| 152       | 54.9  | 42.5  | 63.7   |

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.38 ng

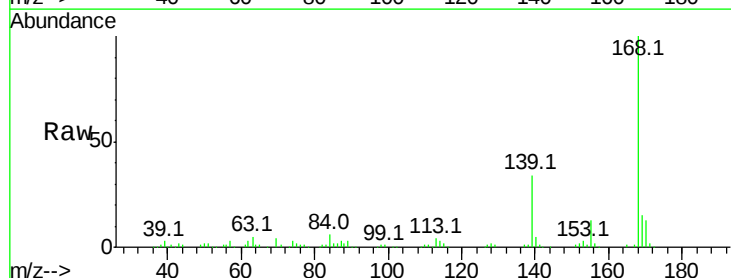
RT: 9.79 min Scan# 709

Delta R.T. -0.00 min

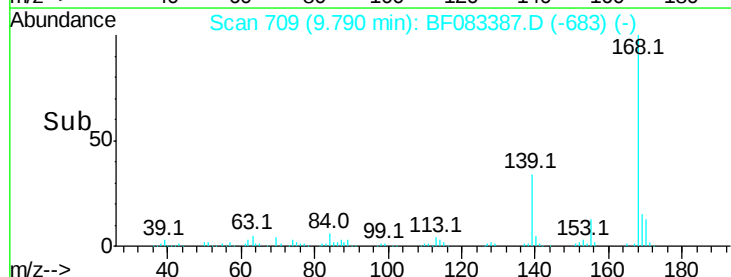
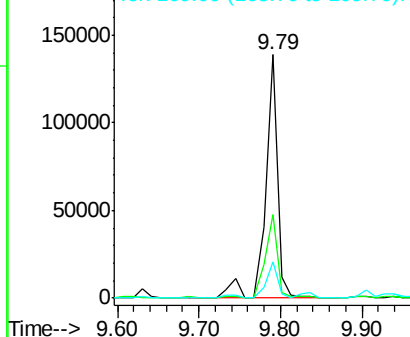
Lab File: BF083387.D

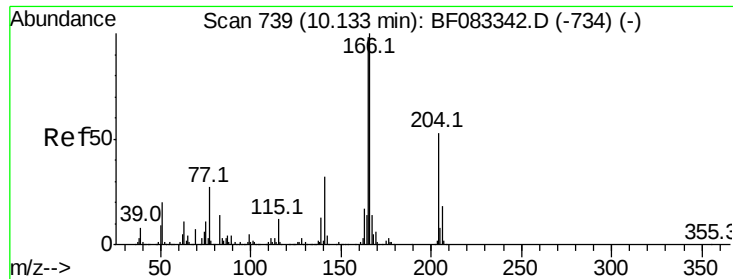
Acq: 1 Dec 2015 22:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 145798 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 34.3  | 32.7  | 49.1   |
| 169       | 14.9  | 11.1  | 16.7   |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





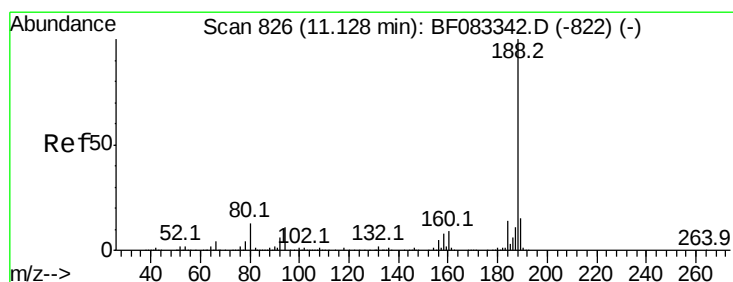
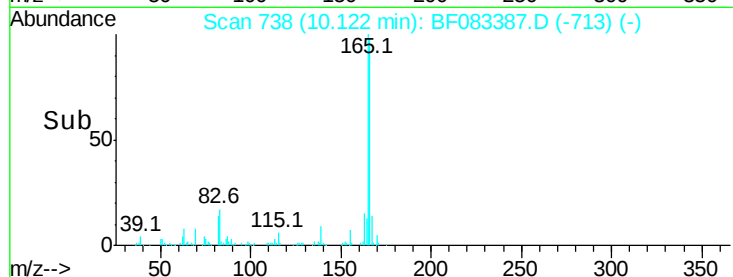
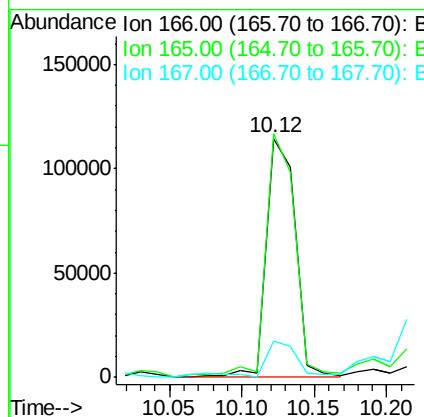
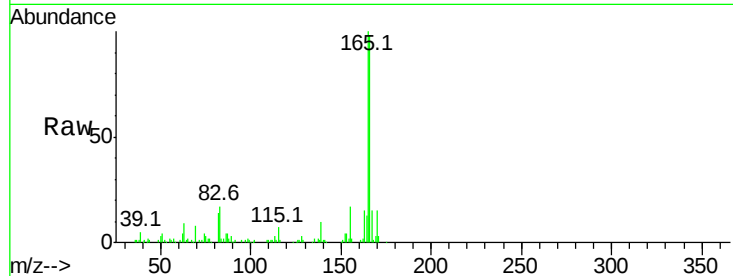
#57  
**Fluorene**  
 Concen: 7.38 ng  
 RT: 10.12 min Scan# 738  
 Delta R.T. -0.01 min  
 Lab File: BF083387.D  
 Acq: 1 Dec 2015 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S18-15

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 102.1 | 78.3 | 117.5 |       |
| 167     | 15.3  | 11.1 | 16.7  |       |

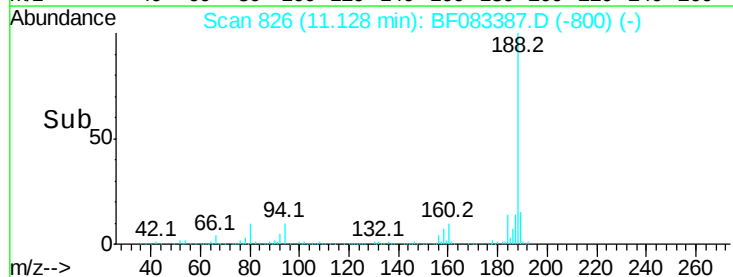
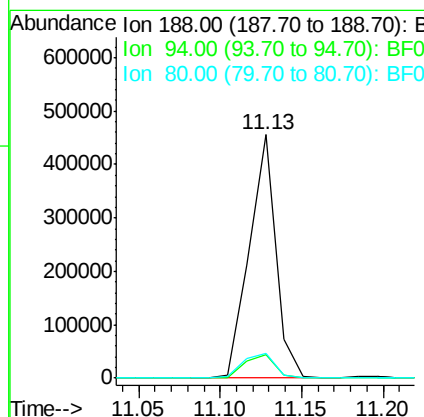
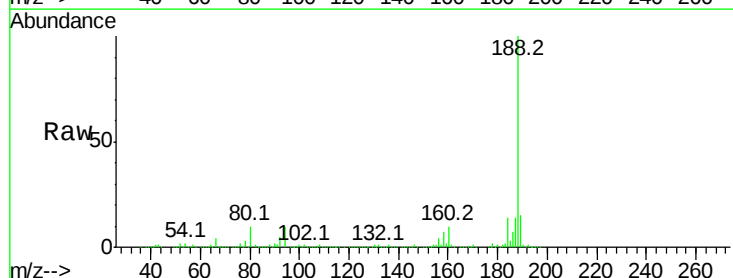
Manual Integrations  
 APPROVED

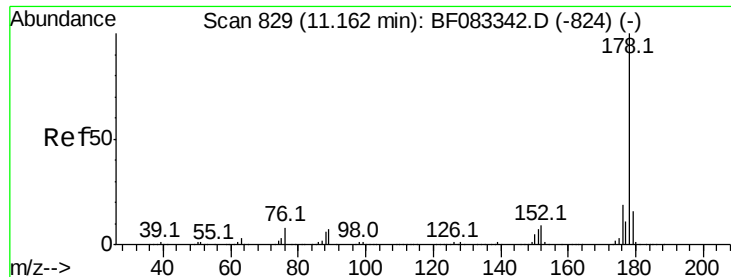
Mmdadoda  
 12/2/2015 6:12:58 PM



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.13 min Scan# 826  
 Delta R.T. -0.00 min  
 Lab File: BF083387.D  
 Acq: 1 Dec 2015 22:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 9.6   | 8.7  | 13.1  |       |
| 80      | 10.1  | 10.3 | 15.5  |       |





#70

Phenanthrene

Concen: 67.26 ng

RT: 11.16 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

ClientSampleId :

S18-15

Tot Ion:178 Resp: 2055869

Ion Ratio Lower Upper

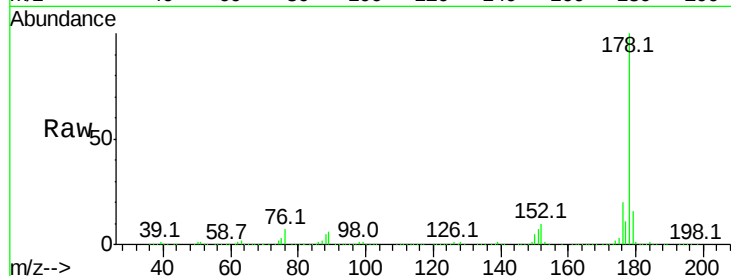
178 100

176 20.0 15.3 22.9

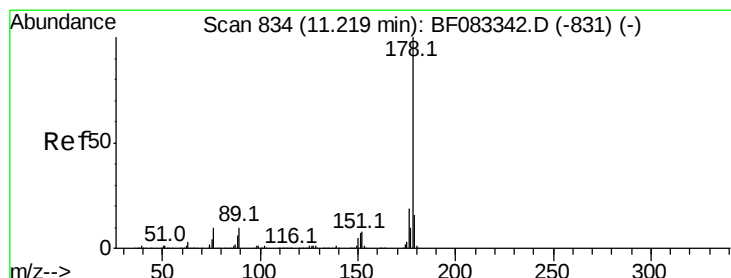
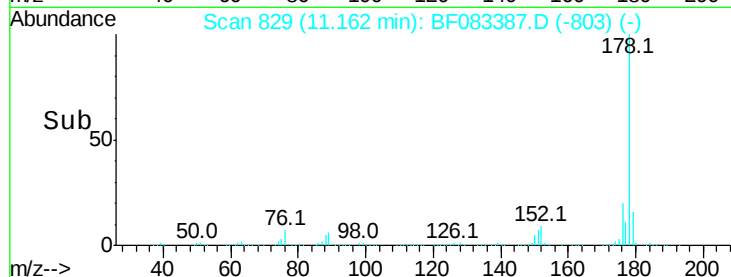
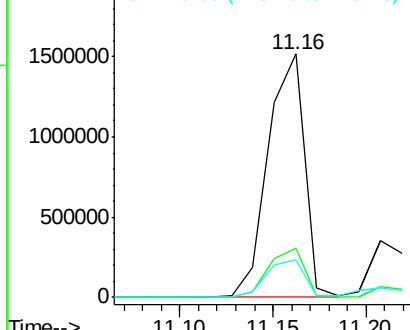
179 15.5 12.4 18.6

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 16.07 ng

RT: 11.21 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

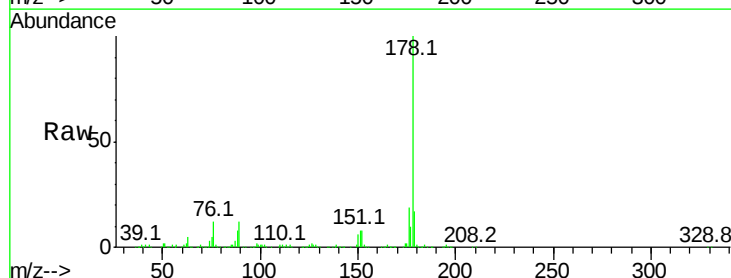
Tgt Ion:178 Resp: 494569

Ion Ratio Lower Upper

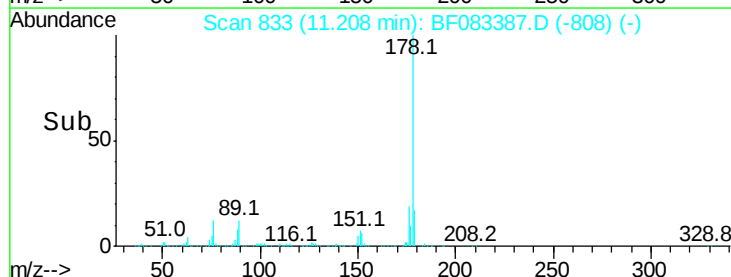
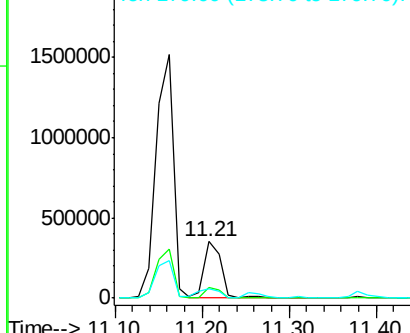
178 100

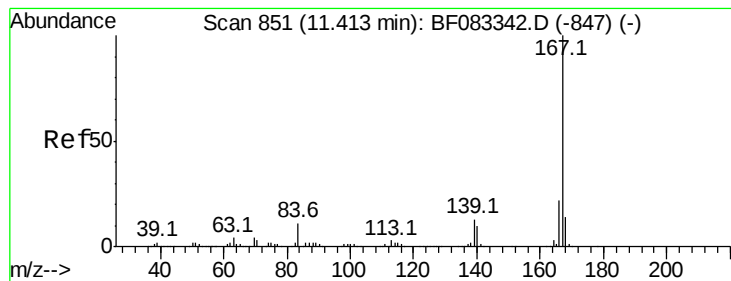
176 18.6 15.6 23.4

179 17.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.34 ng

RT: 11.41 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

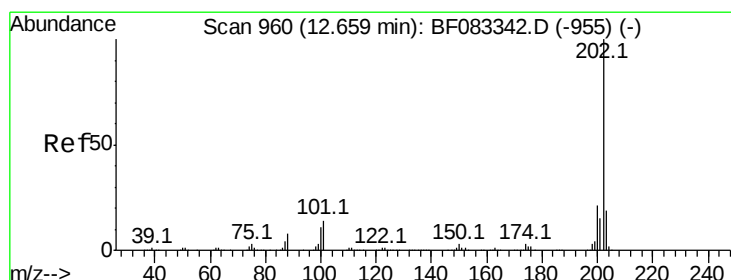
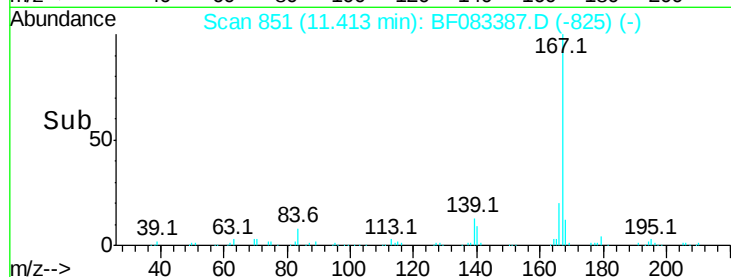
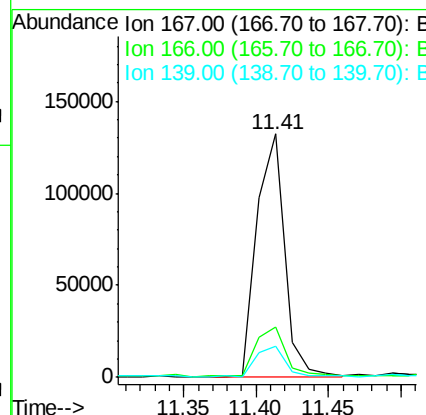
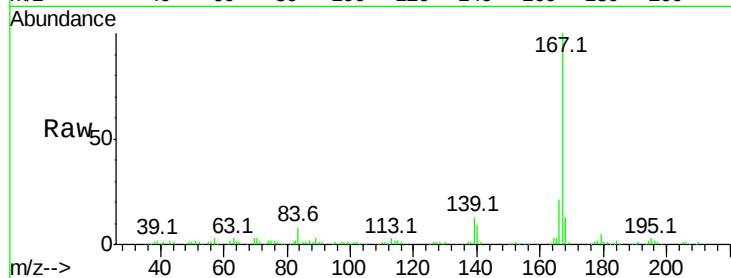
ClientSampleId :

S18-15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 175222 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 20.9  | 17.4  | 26.0   |
| 139       | 12.9  | 10.5  | 15.7   |

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM



#74

Fluoranthene

Concen: 65.75 ng

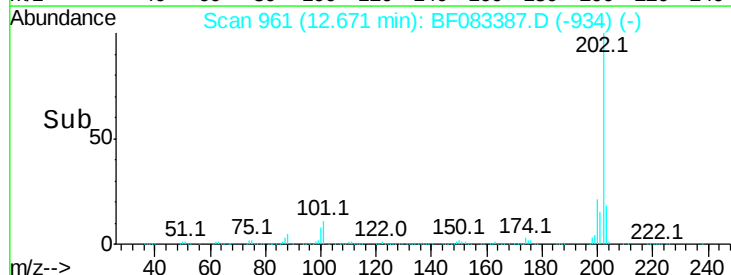
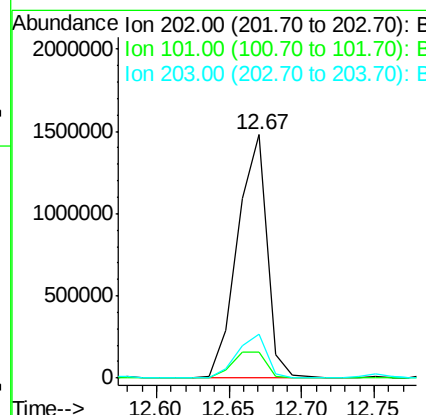
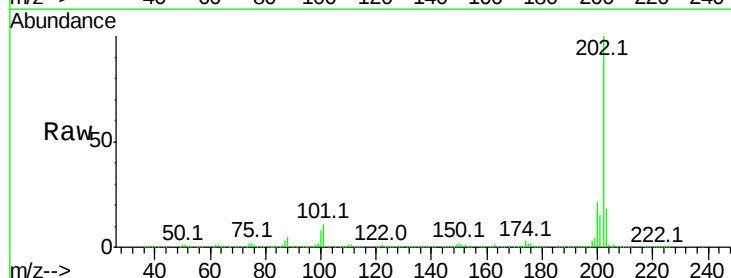
RT: 12.67 min Scan# 961

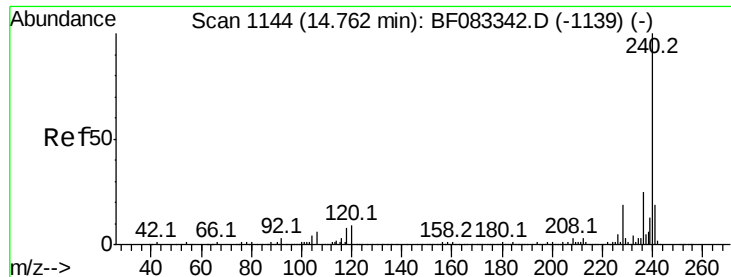
Delta R.T. 0.01 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 2083096 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 10.9  | 0.0   | 34.5    |
| 203       | 18.2  | 0.0   | 38.7    |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

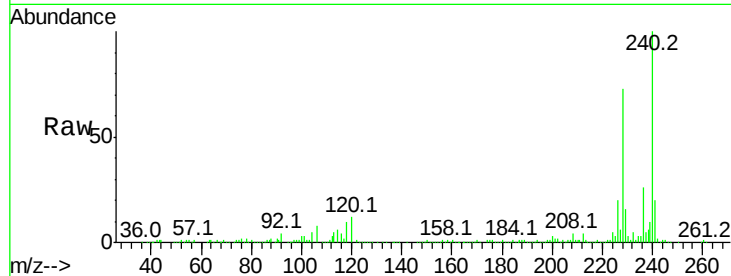
ClientSampleId :

S18-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.7  | 6.9   | 10.3# |
| 236     | 25.9  | 19.8  | 29.6  |

Manual Integrations  
APPROVED

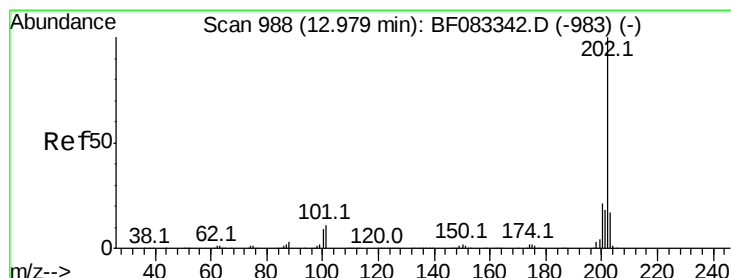
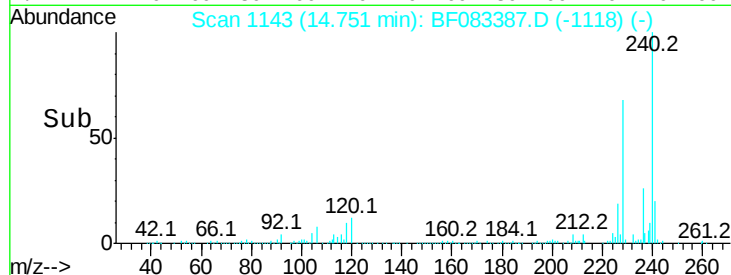
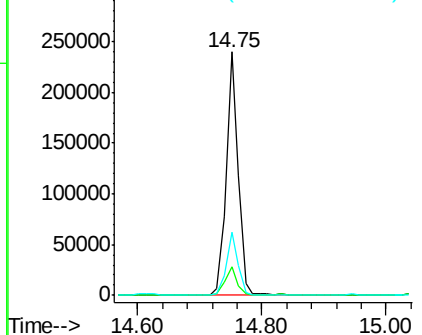
Mmdadoda  
12/2/2015 6:12:58 PM



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



#77

Pyrene

Concen: 78.43 ng

RT: 12.98 min Scan# 988

Delta R.T. -0.00 min

Lab File: BF083387.D

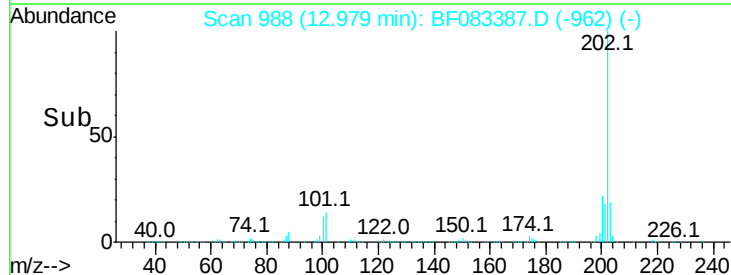
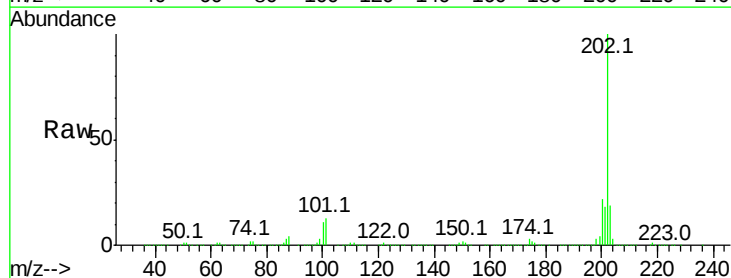
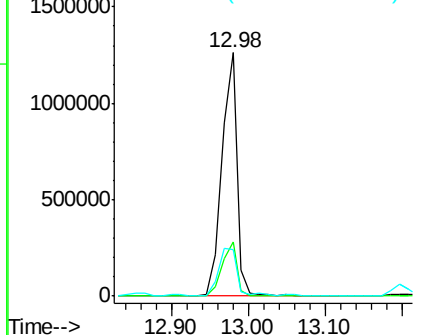
Acq: 1 Dec 2015 22:28

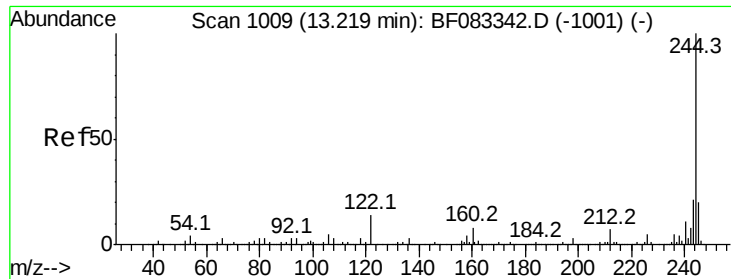
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.1  | 16.9  | 25.3  |
| 203     | 19.0  | 13.9  | 20.9  |

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





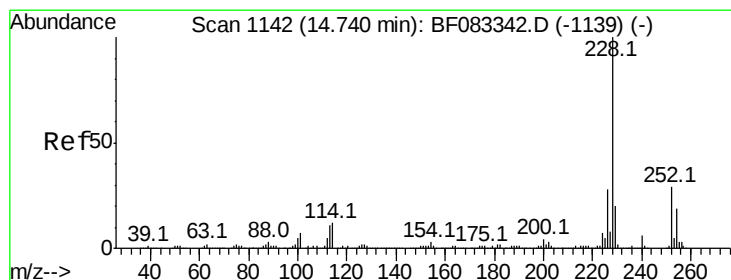
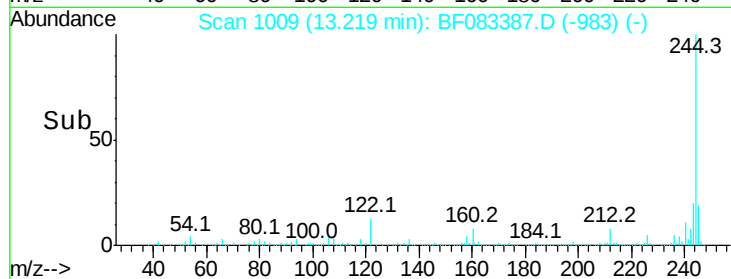
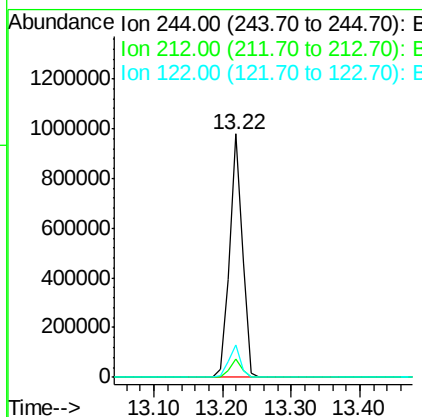
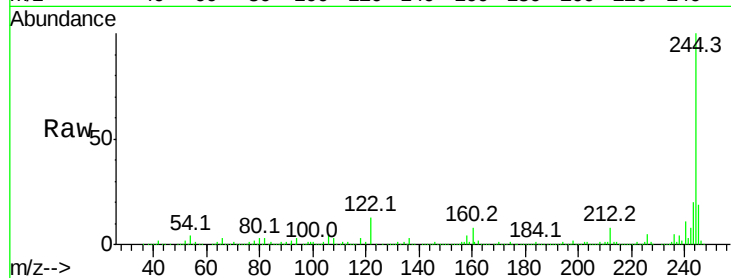
#78  
 Terphenyl-d14  
 Concen: 97.10 ng  
 RT: 13.22 min Scan# 1009  
 Delta R.T. -0.00 min  
 Lab File: BF083387.D  
 Acq: 1 Dec 2015 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S18-15

Tot Ion:244 Resp: 1303282  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.8 8.8  
 122 13.2 11.0 16.4

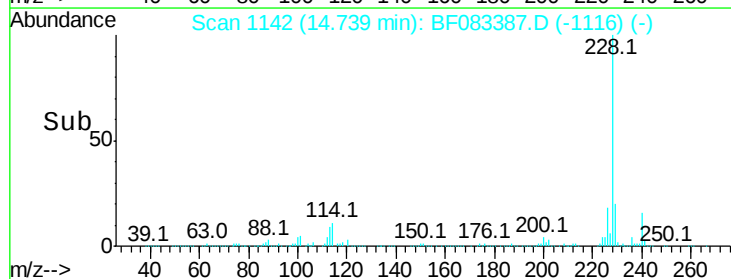
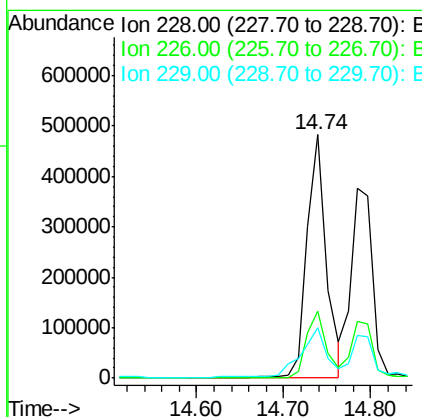
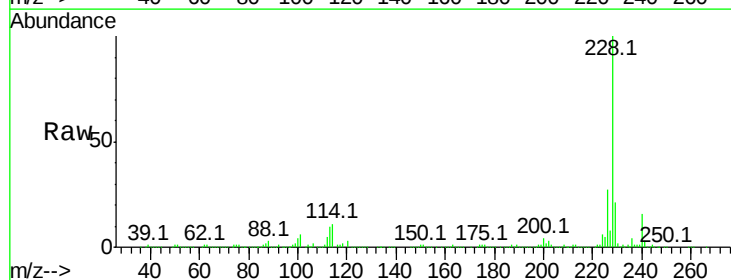
Manual Integrations  
 APPROVED

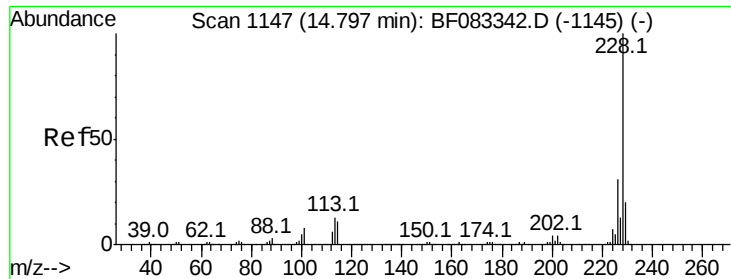
Mmdadoda  
 12/2/2015 6:12:58 PM



#80  
 Benzo(a)anthracene  
 Concen: 37.99 ng  
 RT: 14.74 min Scan# 1142  
 Delta R.T. -0.00 min  
 Lab File: BF083387.D  
 Acq: 1 Dec 2015 22:28

Tgt Ion:228 Resp: 745037  
 Ion Ratio Lower Upper  
 228 100  
 226 27.3 22.2 33.4  
 229 20.6 16.1 24.1





#82

Chrysene

Concen: 34.21 ng

RT: 14.79 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

Instrument :

BNA\_F

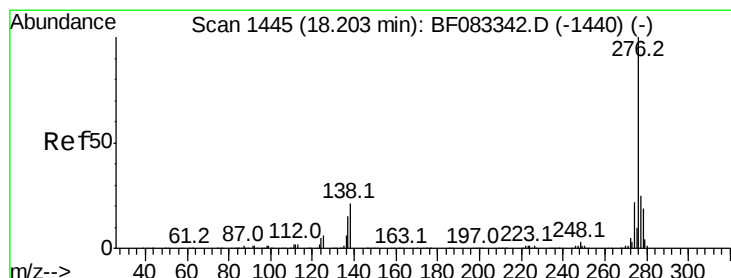
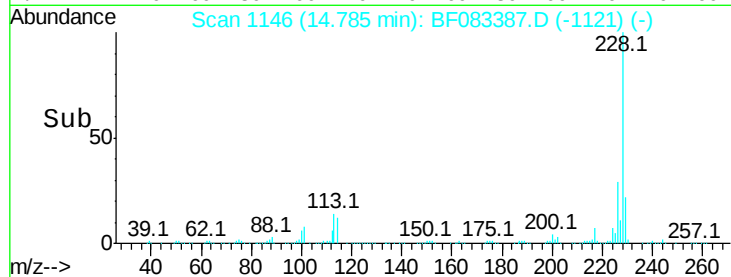
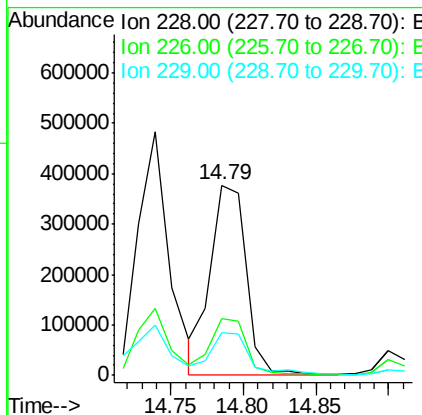
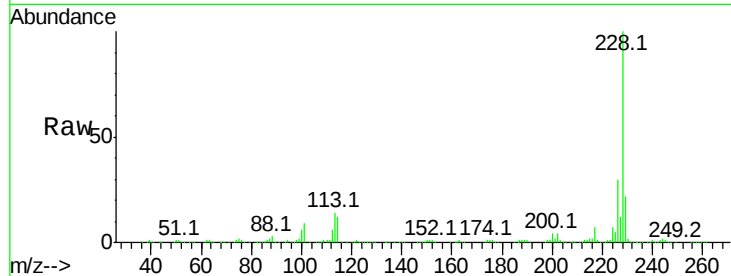
ClientSampleId :

S18-15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 648116 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.5  | 24.6  | 37.0   |
| 229       | 22.3  | 16.2  | 24.2   |

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 28.37 ng

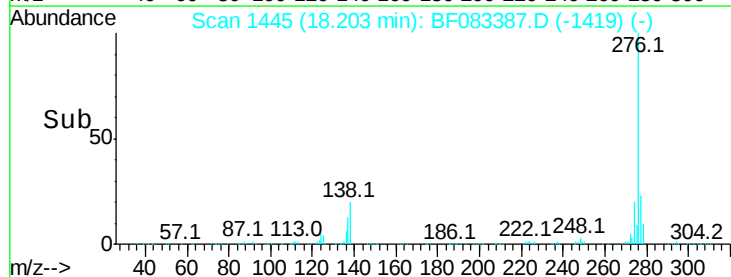
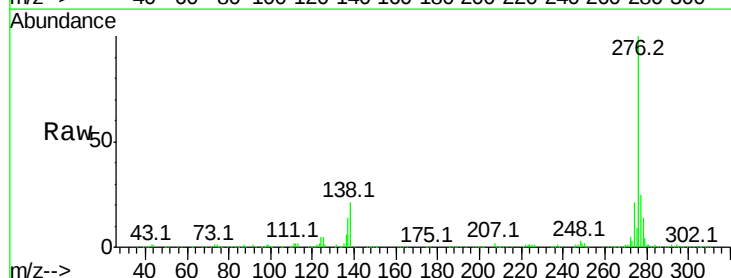
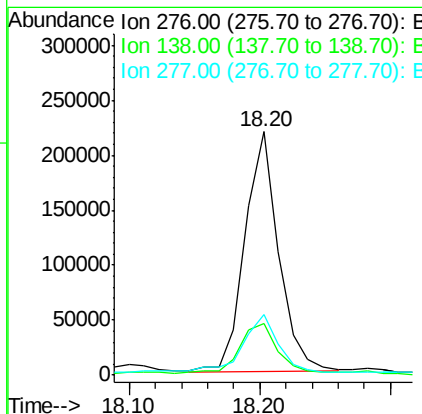
RT: 18.20 min Scan# 1445

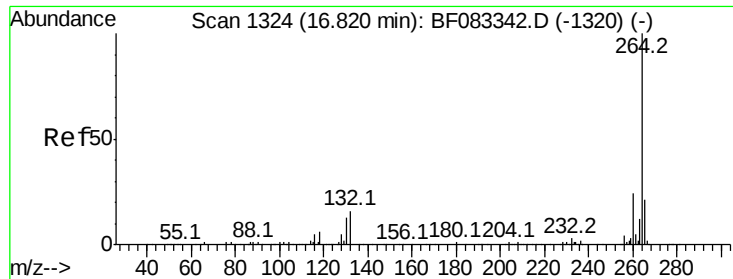
Delta R.T. -0.00 min

Lab File: BF083387.D

Acq: 1 Dec 2015 22:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 391515 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 23.9  | 21.2  | 31.8   |
| 277       | 26.3  | 20.0  | 30.0   |





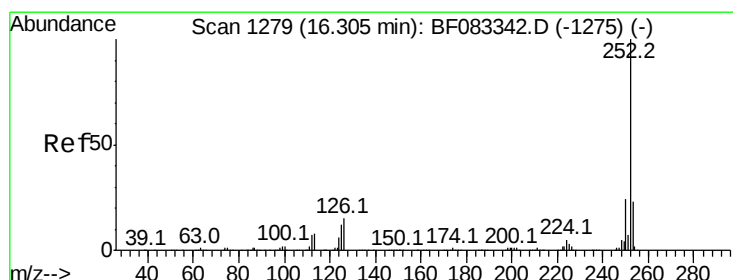
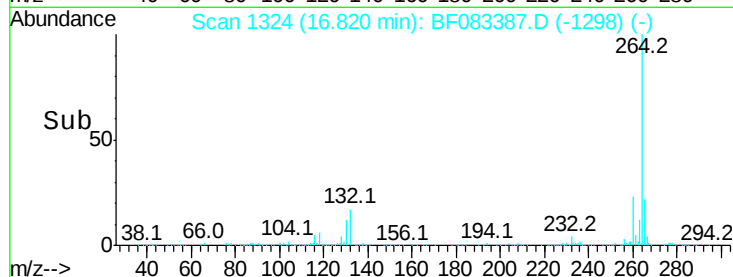
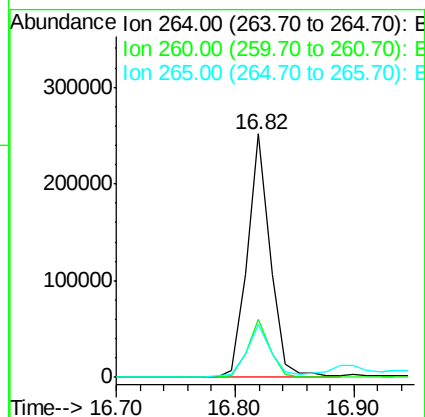
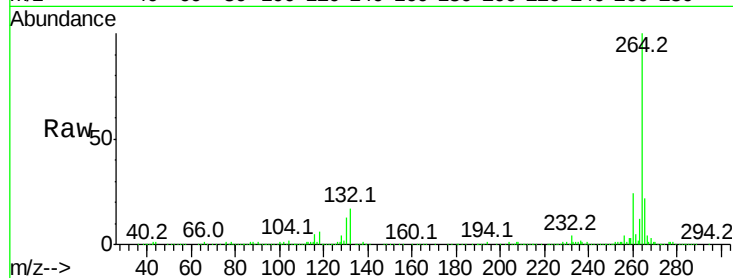
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.82 min Scan# 1324  
Delta R.T. -0.00 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

Instrument :  
BNA\_F  
ClientSampleId :  
S18-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.0  | 28.4  |
| 265     | 21.6  | 16.8  | 25.2  |

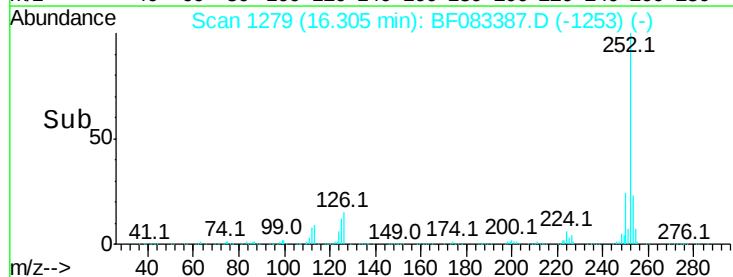
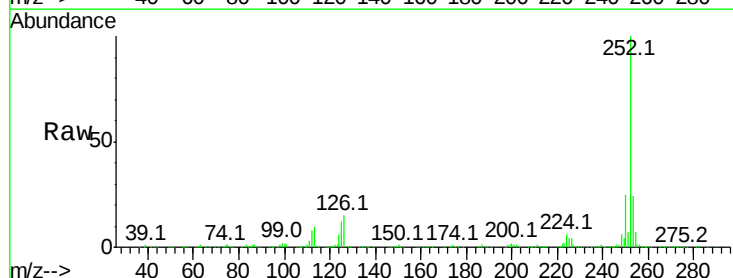
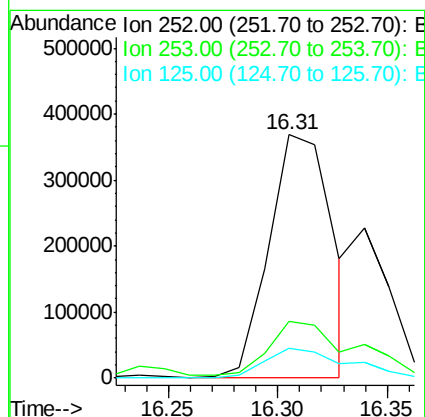
Manual Integrations  
APPROVED

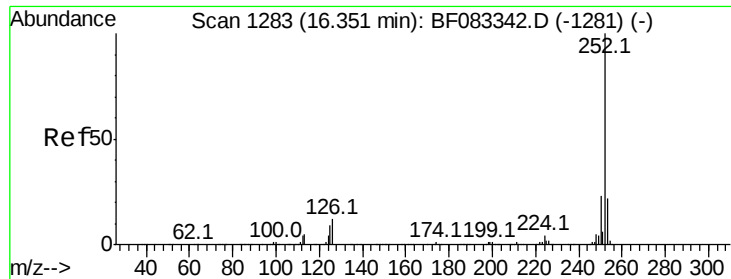
Mmdadoda  
12/2/2015 6:12:58 PM



#87  
Benzo(b)fluoranthene  
Concen: 33.84 ng m  
RT: 16.31 min Scan# 1279  
Delta R.T. -0.00 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 18.4  | 27.6  |
| 125     | 12.3  | 9.6   | 14.4  |





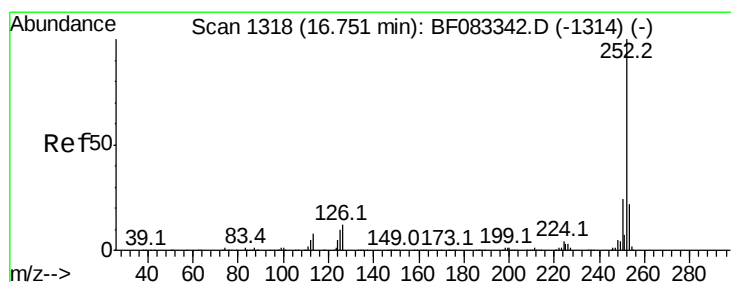
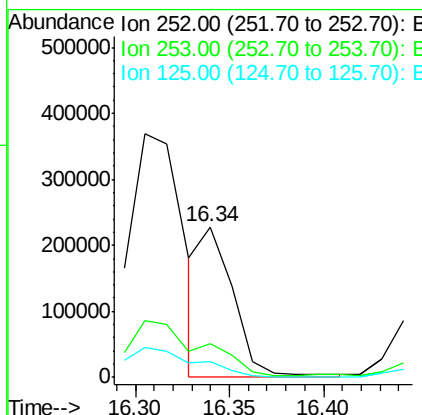
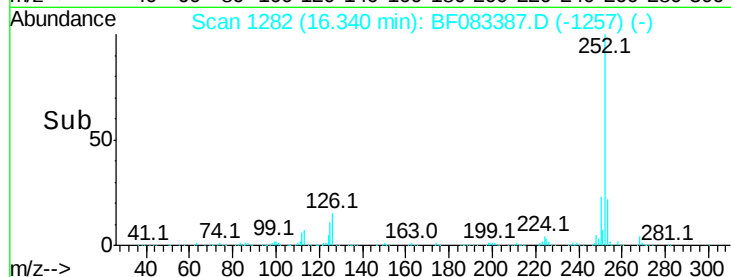
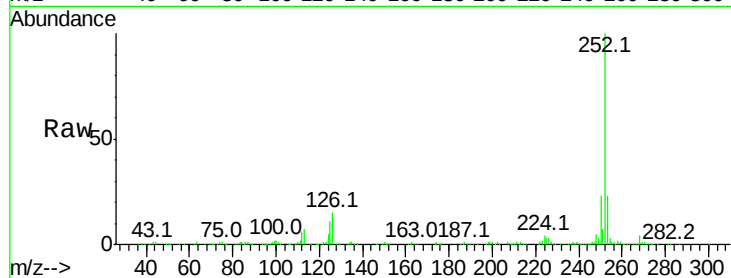
#88  
Benzo(k)fluoranthene  
Concen: 13.46 ng m  
RT: 16.34 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

Instrument :  
BNA\_F  
ClientSampled :  
S18-15

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 280031 |       |       |
| 253     | 22.6  |        | 17.4  | 26.0  |
| 125     | 10.7  |        | 7.5   | 11.3  |

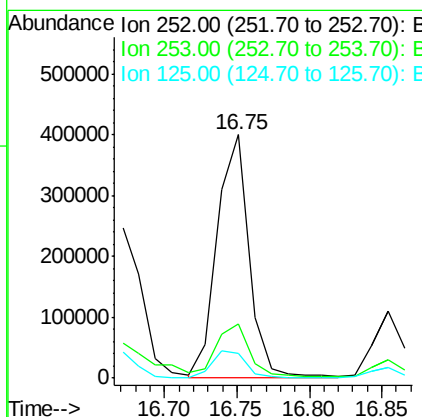
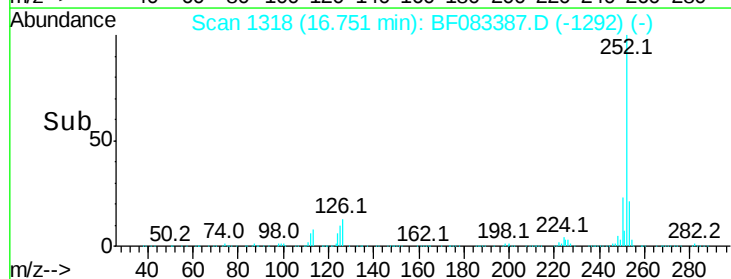
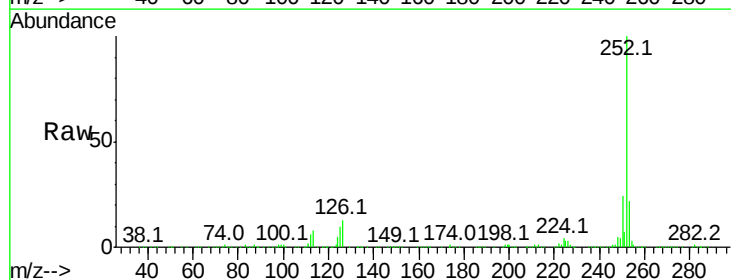
Manual Integrations  
APPROVED

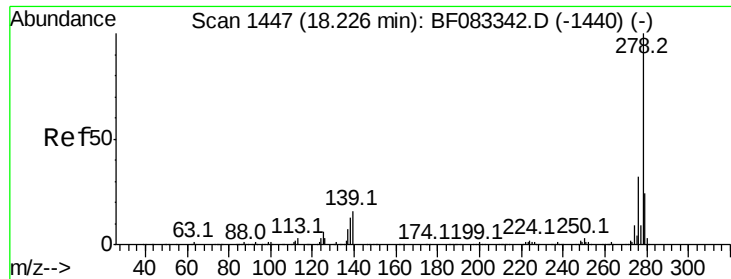
Mmdadoda  
12/2/2015 6:12:58 PM



#89  
Benzo(a)pyrene  
Concen: 32.15 ng  
RT: 16.75 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 608322 |       |       |
| 253     | 22.4  |        | 17.5  | 26.3  |
| 125     | 10.0  |        | 7.8   | 11.8  |





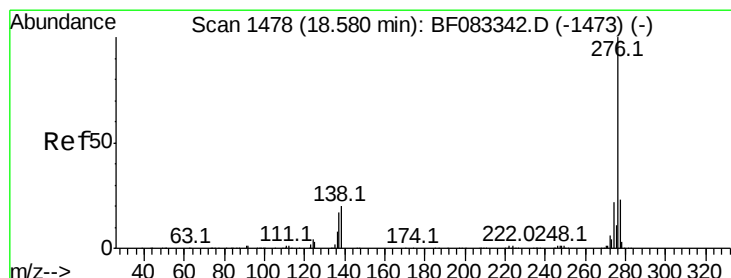
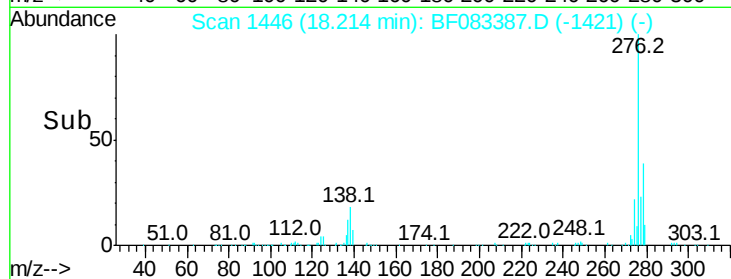
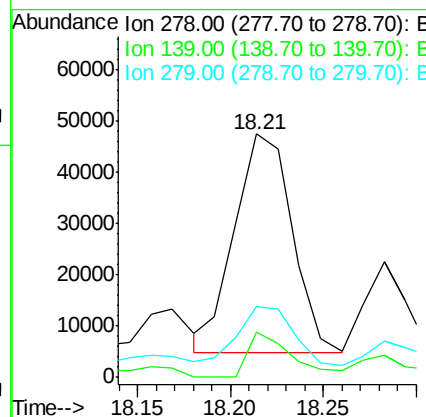
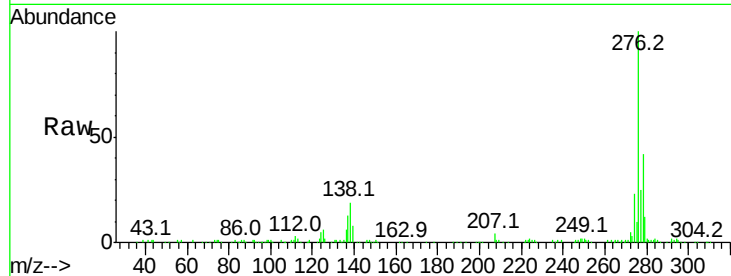
#90  
Dibenzo(a,h)anthracene  
Concen: 5.62 ng m  
RT: 18.21 min Scan# 1446  
Delta R.T. -0.01 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

Instrument :  
BNA\_F  
ClientSampleId :  
S18-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.4  | 13.1  | 19.7  |
| 279     | 29.2  | 19.2  | 28.8  |

Manual Integrations  
APPROVED

Mmdadoda  
12/2/2015 6:12:58 PM



#91  
Benzo(g,h,i)perylene  
Concen: 23.11 ng  
RT: 18.58 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: BF083387.D  
Acq: 1 Dec 2015 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.6  | 28.0  |
| 138     | 19.2  | 16.1  | 24.1  |

