

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\  
 Data File : BF082656.D  
 Acq On : 3 Nov 2015 11:34  
 Operator : UM/IZ  
 Sample : G4234-03DL 5X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DS-2DL

Manual Integrations  
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 11/4/2015 5:26:07 PM

Quant Time: Nov 03 13:10:16 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 03 12:27:47 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 185436   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 737687   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.93  | 164  | 374348   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.40 | 188  | 711654   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.05 | 240  | 619869   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.53 | 264  | 489394   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 294290   | 23.90 | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 563095   | 34.43 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 380353   | 21.05 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 89657    | 21.88 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 546696   | 20.73 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.99 | 244  | 507510   | 17.92 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 8.19  | 128  | 2243849  | 56.21 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.88  | 142  | 455311   | 17.60 | ng    | 97       |
| 45) 1,1'-Biphenyl           | 9.34  | 154  | 107052   | 3.39  | ng    | 97       |
| 48) Acenaphthylene          | 9.78  | 152  | 153765   | 3.89  | ng    | 98       |
| 49) Dimethylphthalate       | 9.64  | 163  | 151437   | 4.95  | ng    | 96       |
| 51) Acenaphthene            | 9.95  | 154  | 222615   | 8.88  | ng    | 98       |
| 54) Dibenzofuran            | 10.12 | 168  | 300525   | 8.83  | ng    | 95       |
| 57) Fluorene                | 10.46 | 166  | 346411   | 12.62 | ng    | 98       |
| 70) Phenanthrene            | 11.44 | 178  | 1397721  | 34.82 | ng    | 99       |
| 71) Anthracene              | 11.48 | 178  | 429257   | 10.62 | ng    | 97       |
| 72) Carbazole               | 11.63 | 167  | 211826   | 6.02  | ng    | 97       |
| 74) Fluoranthene            | 12.63 | 202  | 905382   | 22.06 | ng    | 95       |
| 77) Pyrene                  | 12.84 | 202  | 743967   | 16.21 | ng    | 96       |
| 80) Benzo(a)anthracene      | 14.04 | 228  | 377339   | 9.58  | ng    | 96       |
| 82) Chrysene                | 14.08 | 228  | 239939m  | 6.72  | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.93 | 276  | 77784    | 2.64  | ng    | 94       |
| 87) Benzo(b)fluoranthene    | 15.11 | 252  | 209891m  | 6.22  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.12 | 252  | 102053m  | 3.97  | ng    |          |
| 89) Benzo(a)pyrene          | 15.46 | 252  | 178233   | 6.71  | ng    | 98       |
| 91) Benzo(a,h,i)perylene    | 17.36 | 276  | 77782    | 3.24  | ng    | 95       |

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

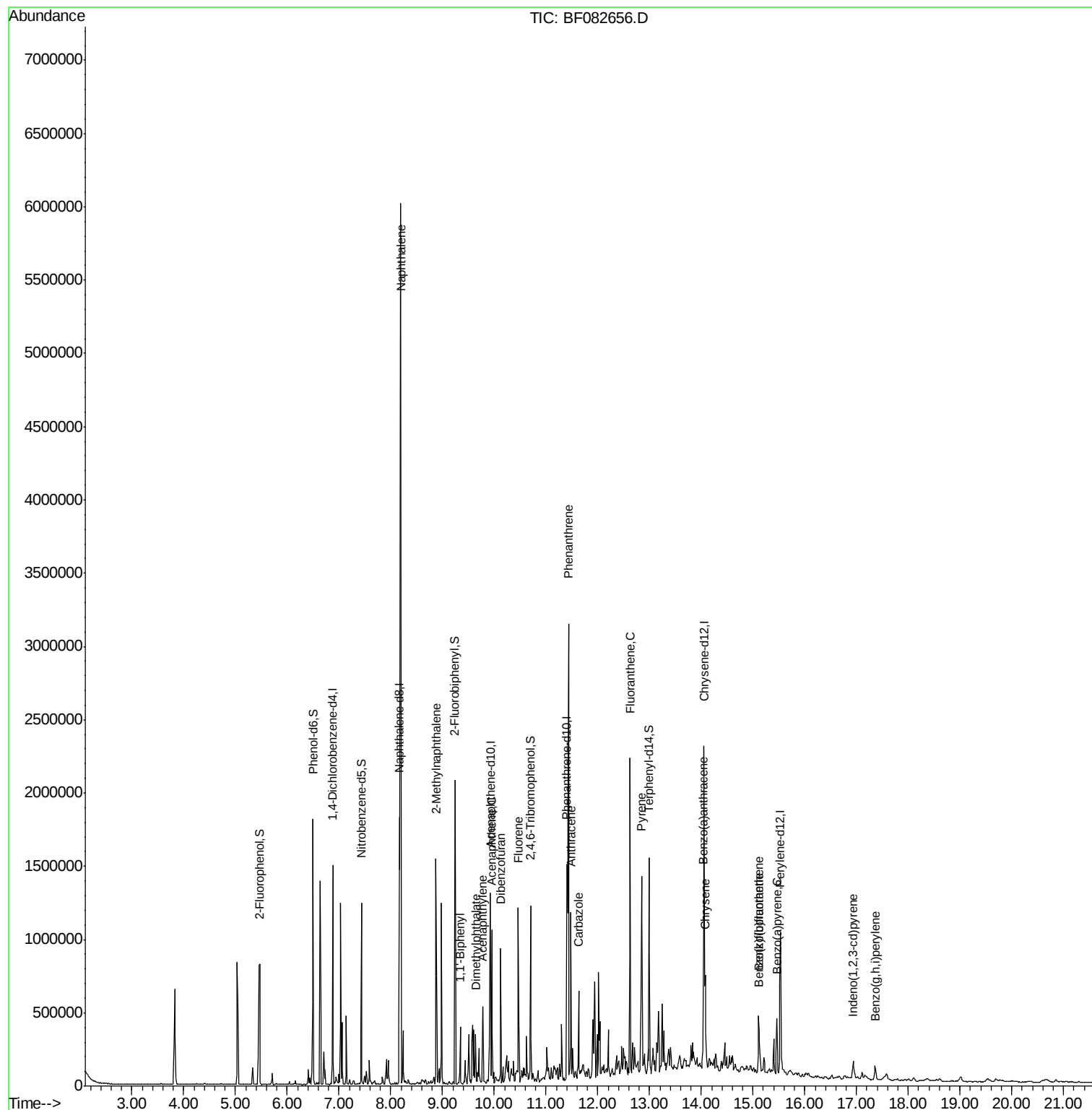
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\  
Data File : BF082656.D  
Acq On : 3 Nov 2015 11:34  
Operator : UM/IZ  
Sample : G4234-03DL 5X  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

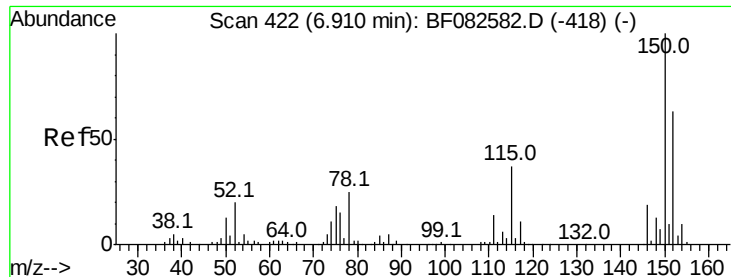
Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

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Quant Time: Nov 03 13:10:16 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 03 12:27:47 2015  
Response via : Initial Calibration





#1

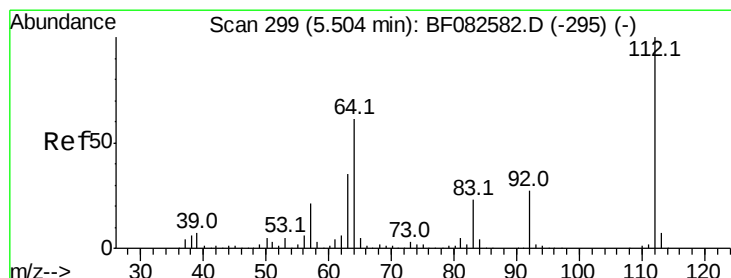
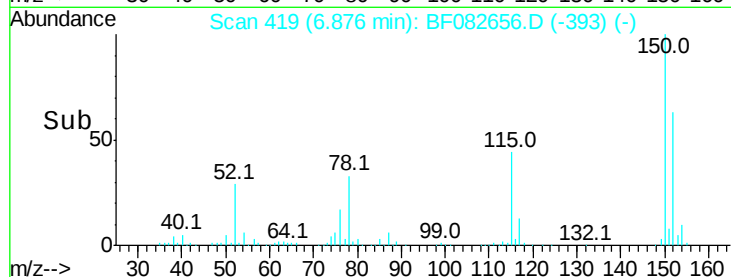
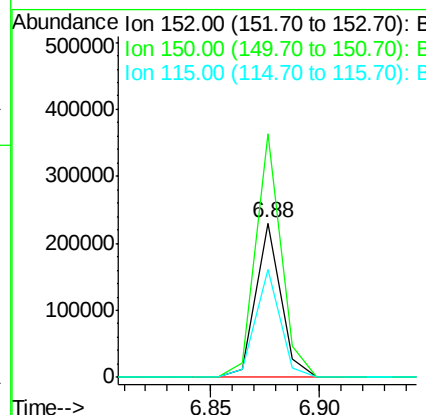
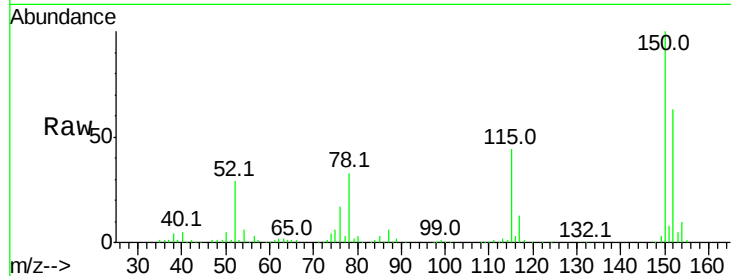
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.88 min Scan# 419  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampled :  
DS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.9 | 127.0 | 190.4 |
| 115     | 70.2  | 47.0  | 70.6  |

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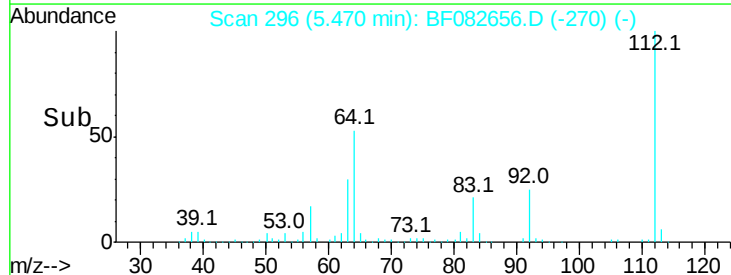
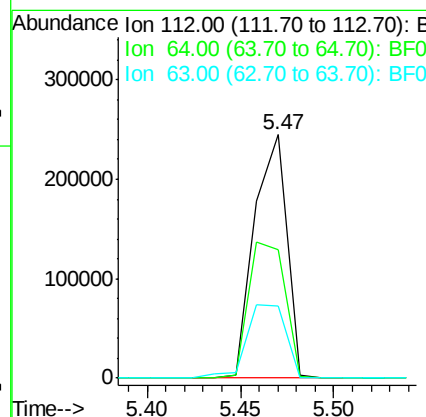
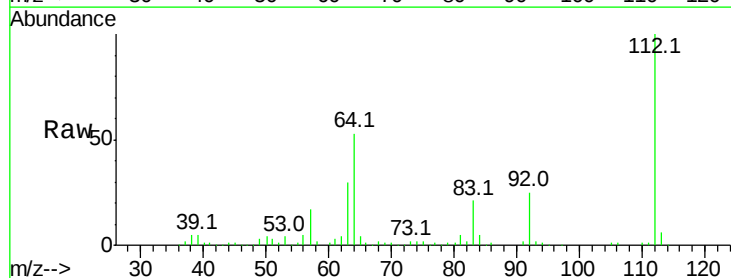
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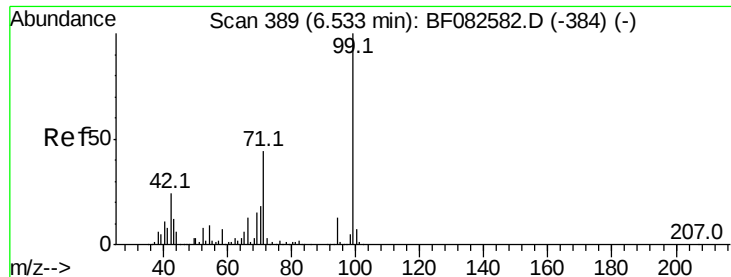


#5

2-Fluorophenol  
Concen: 23.90 ng  
RT: 5.47 min Scan# 296  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.9  | 48.9  | 73.3  |
| 63      | 29.5  | 28.1  | 42.1  |





#7

Phenol-d6

Concen: 34.43 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

Instrument :

BNA\_F

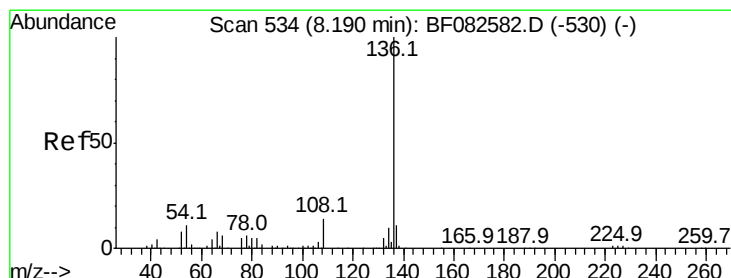
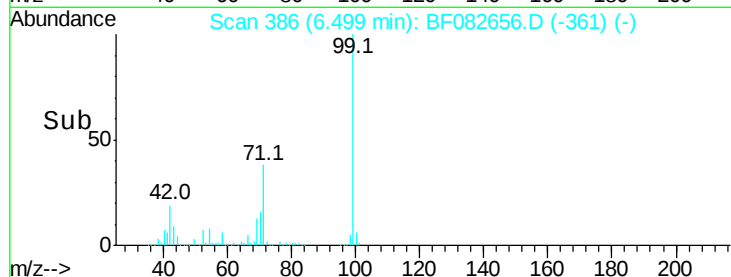
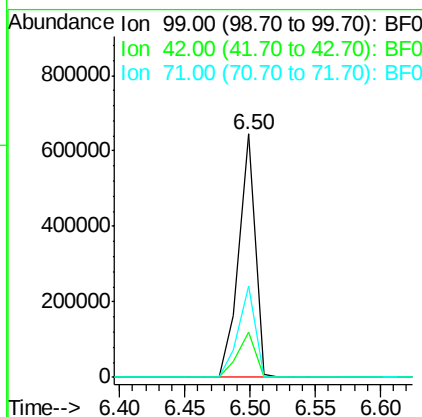
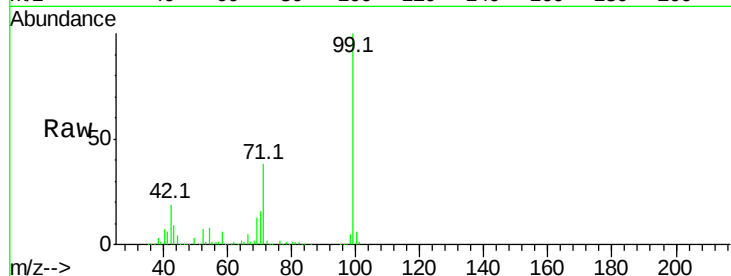
ClientSampleId :

DS-2DL

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 563095 |       |       |
| 42      | 18.8 | 19.2  | 28.8#  |       |       |
| 71      | 37.6 | 35.0  | 52.4   |       |       |

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#21

Naphthalene-d8

Concen: 20.00 ng

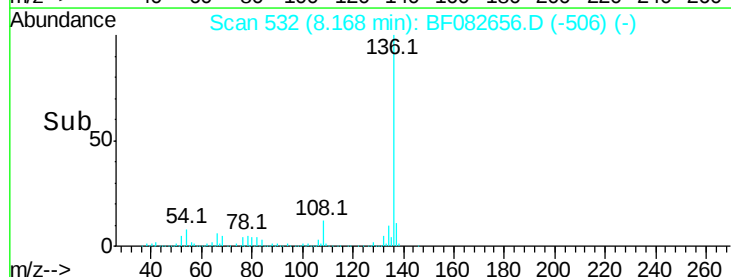
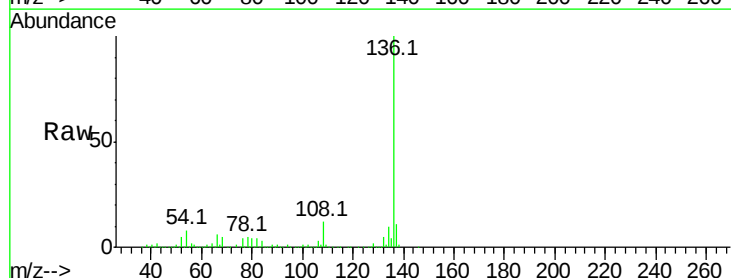
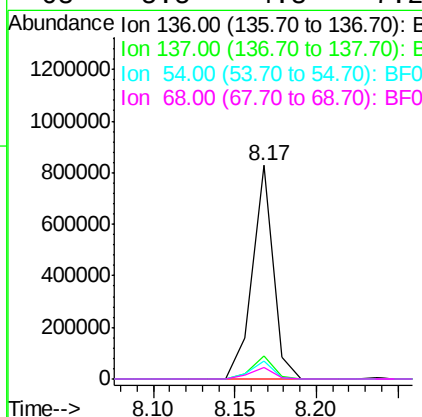
RT: 8.17 min Scan# 532

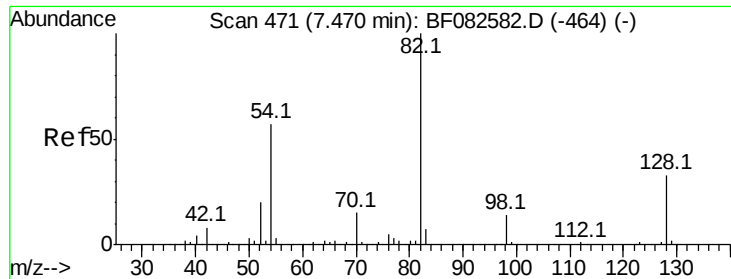
Delta R.T. 0.00 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 737687 |       |       |
| 137     | 11.0 | 9.1   | 13.7   |       |       |
| 54      | 8.4  | 9.1   | 13.7#  |       |       |
| 68      | 5.5  | 4.8   | 7.2    |       |       |





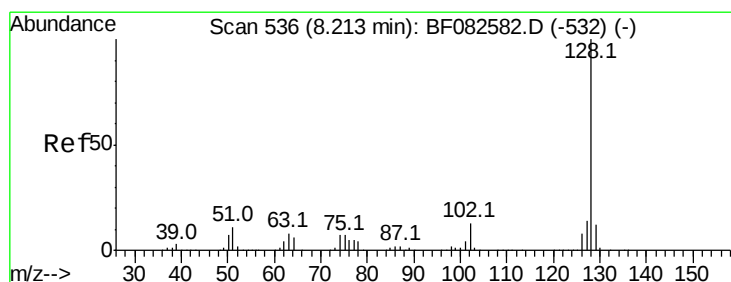
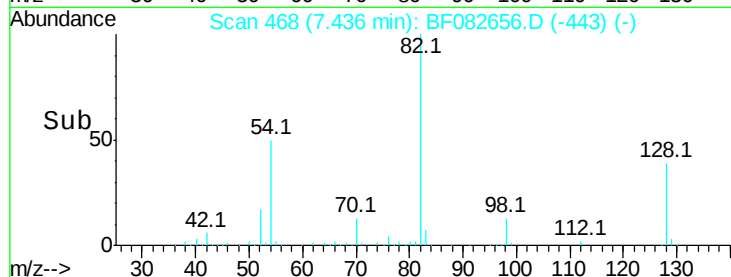
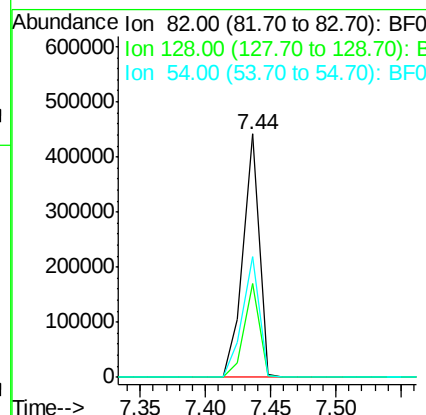
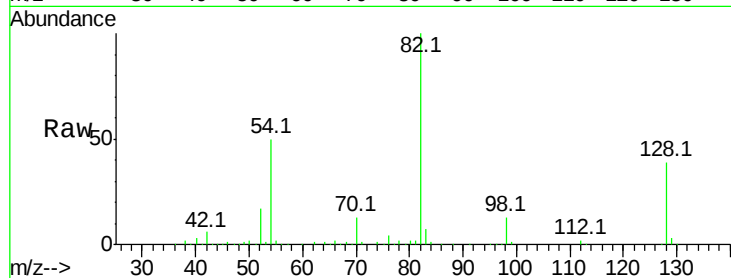
#23  
Nitrobenzene-d5  
Concen: 21.05 ng  
RT: 7.44 min Scan# 468  
Delta R.T. -0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 38.6  | 26.8 | 40.2  |       |
| 54      | 49.8  | 45.7 | 68.5  |       |

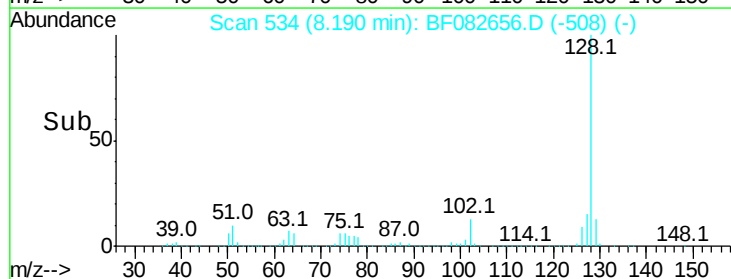
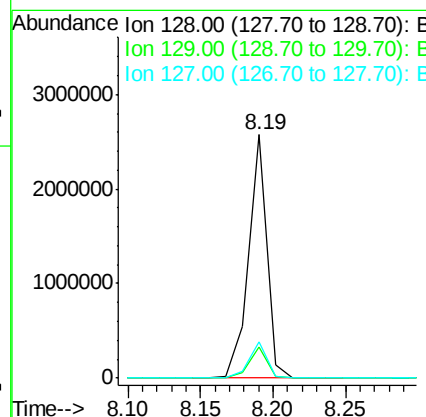
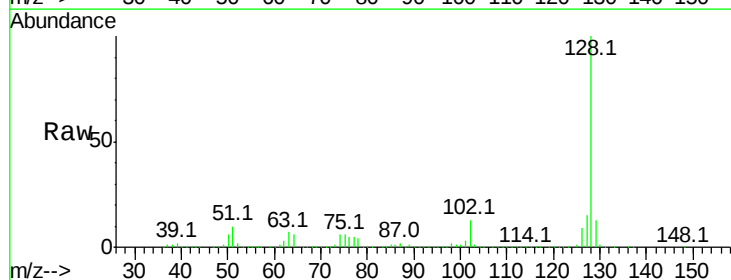
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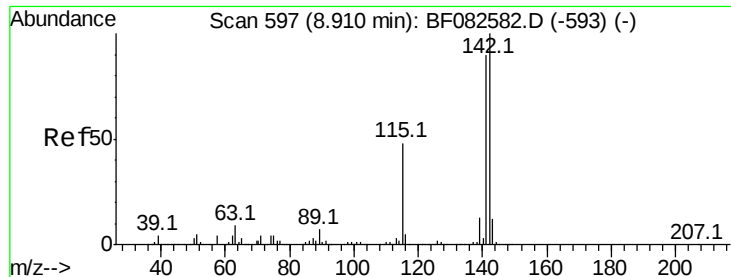
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#31  
Naphthalene  
Concen: 56.21 ng  
RT: 8.19 min Scan# 534  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 12.6  | 9.5  | 14.3  |       |
| 127     | 15.1  | 11.4 | 17.0  |       |





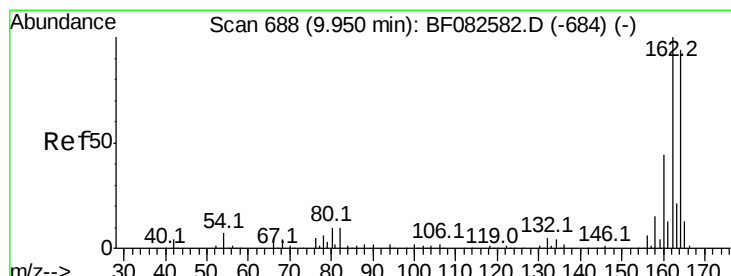
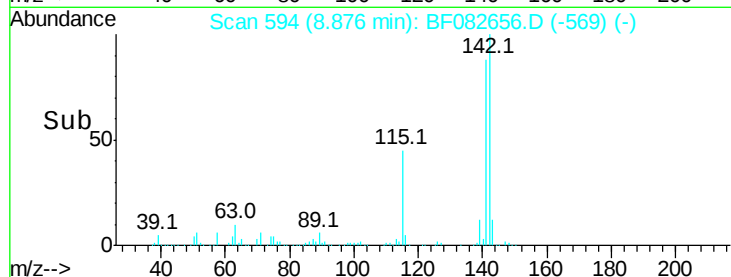
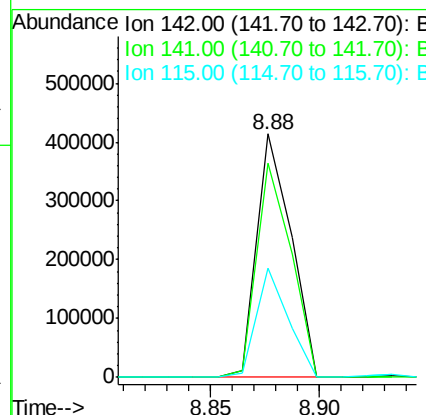
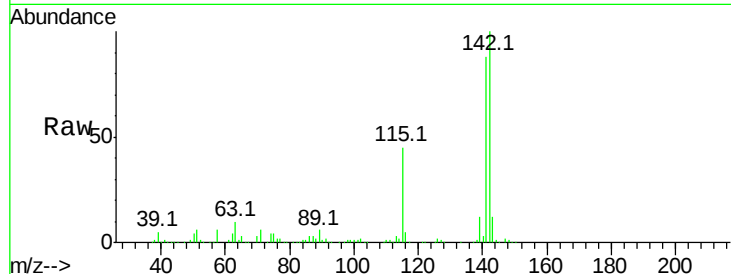
#37  
2-Methylnaphthalene  
Concen: 17.60 ng  
RT: 8.88 min Scan# 594  
Delta R.T. -0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampled :  
DS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.0  | 72.3  | 108.5 |
| 115     | 44.7  | 38.1  | 57.1  |

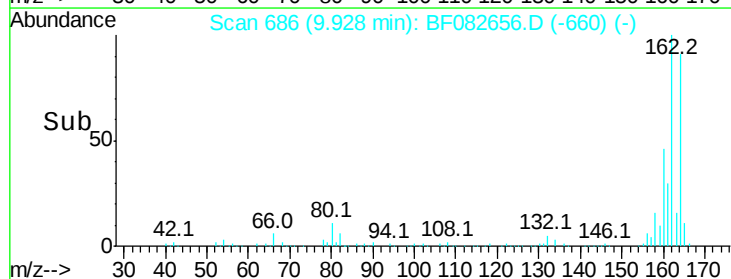
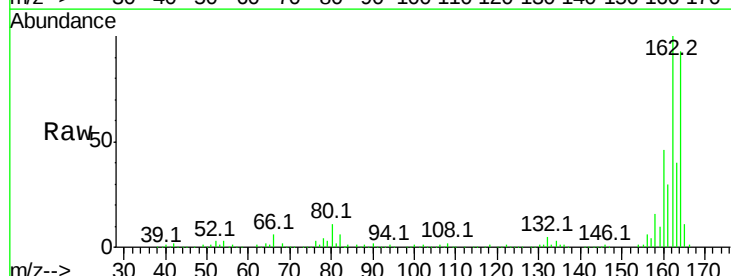
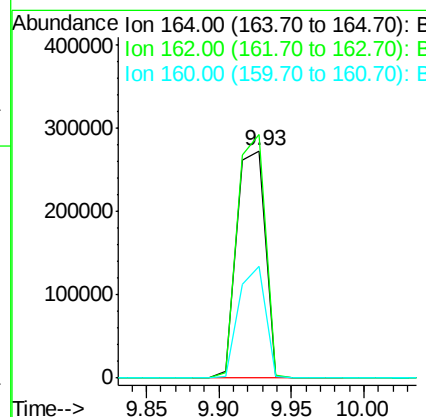
Manual Integrations  
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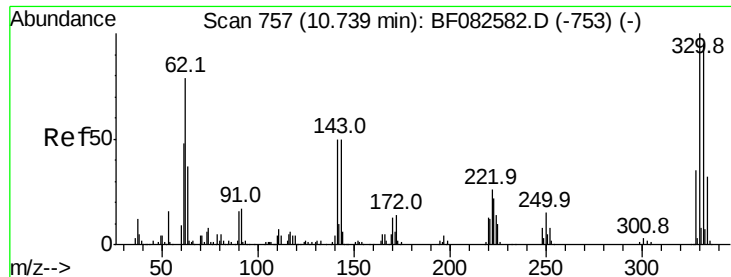
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.93 min Scan# 686  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.0 | 84.9  | 127.3 |
| 160     | 49.0  | 37.5  | 56.3  |





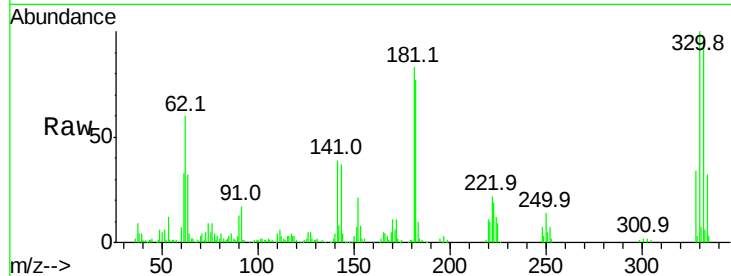
#41  
 2,4,6-Tribromophenol  
 Concen: 21.88 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: BF082656.D  
 Acq: 3 Nov 2015 11:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DS-2DL

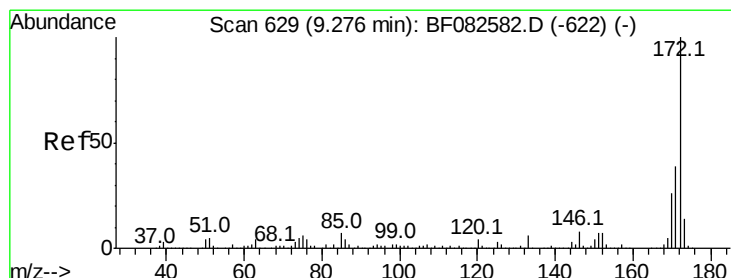
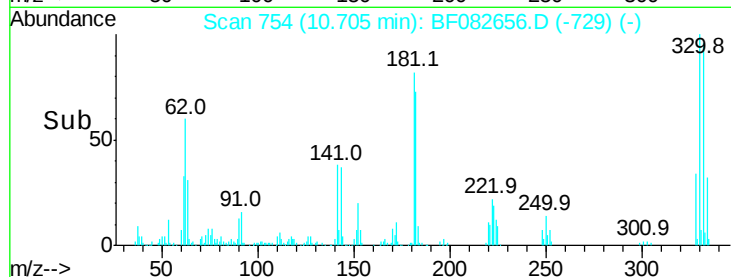
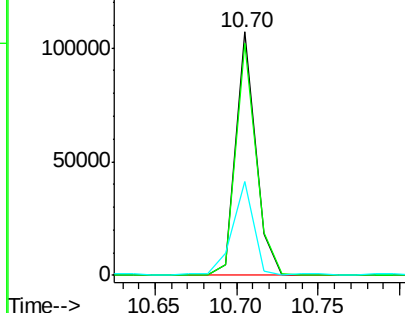
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.3  | 76.6 | 114.8 |       |
| 141     | 40.5  | 41.2 | 61.8# |       |

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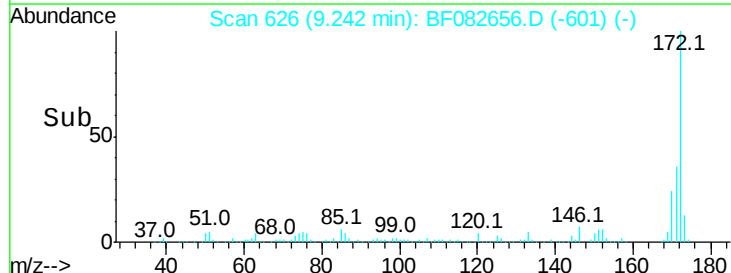
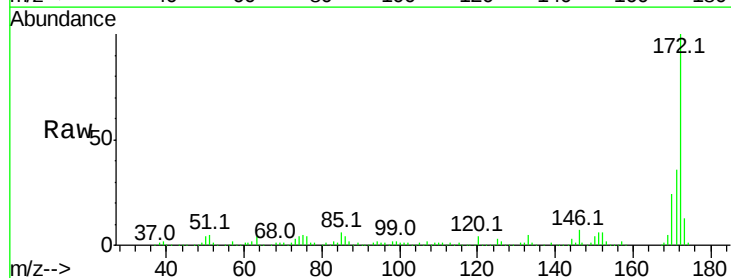
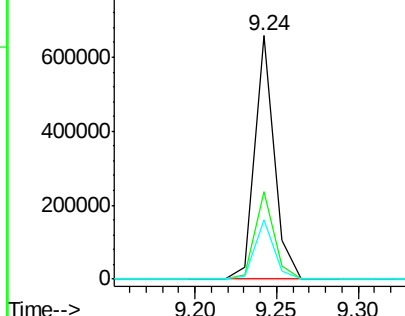
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

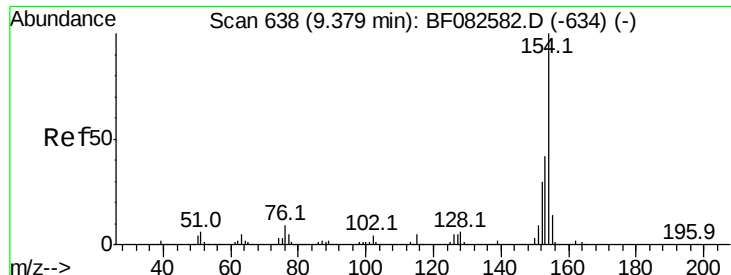


#44  
 2-Fluorobiphenyl  
 Concen: 20.73 ng  
 RT: 9.24 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF082656.D  
 Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 35.9  | 30.8 | 46.2  |       |
| 170     | 24.2  | 21.2 | 31.8  |       |

Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 3.39 ng

RT: 9.34 min Scan# 635

Delta R.T. 0.00 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

Instrument :

BNA\_F

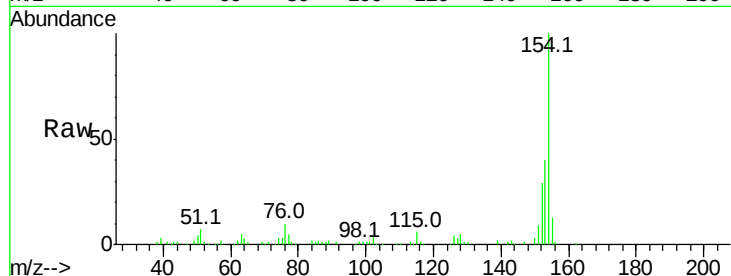
ClientSampled :

DS-2DL

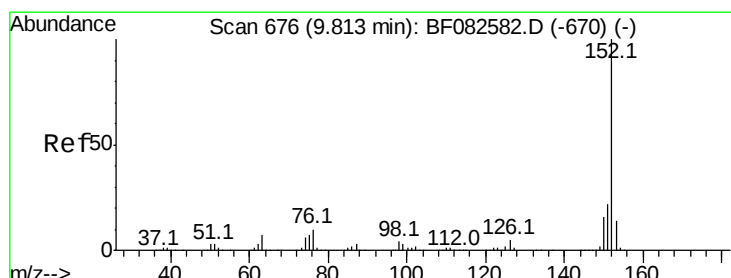
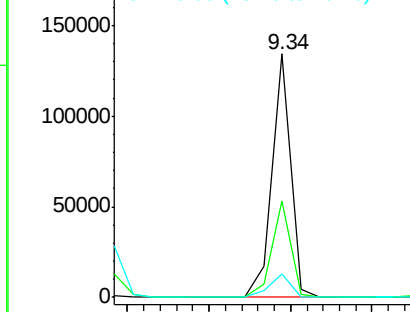
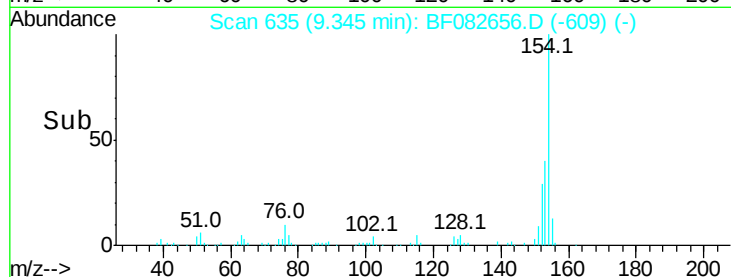
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 107052 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 39.7  | 22.0  | 62.0   |
| 76        | 9.9   | 0.0   | 29.0   |

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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: 3.89 ng

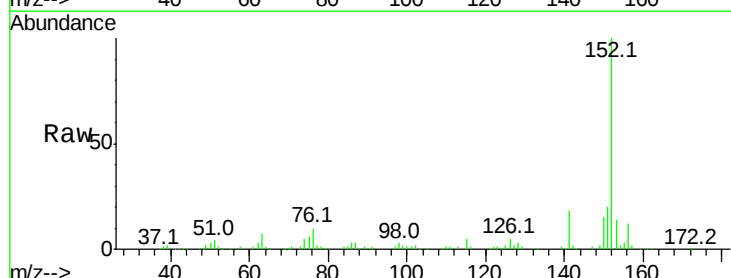
RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

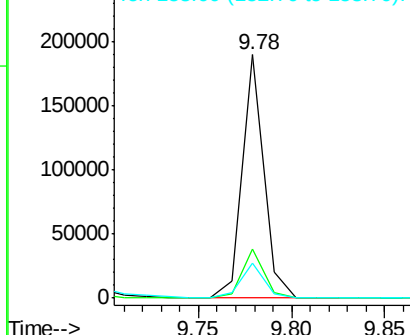
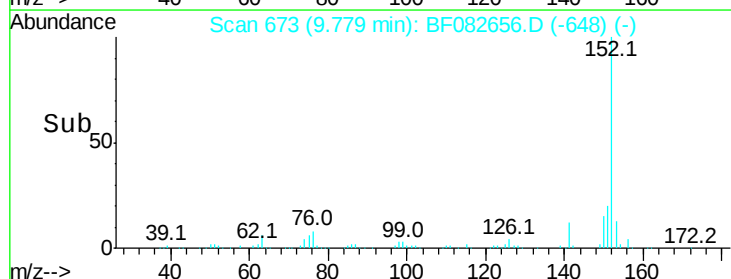
Lab File: BF082656.D

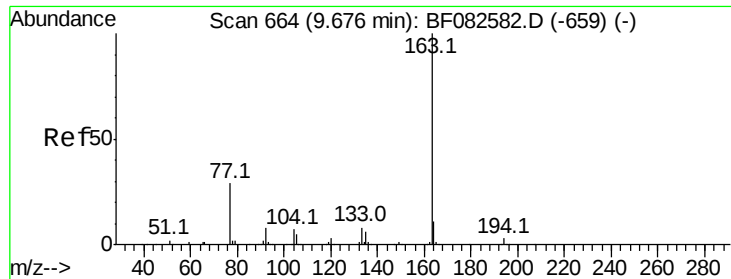
Acq: 3 Nov 2015 11:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 153765 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.2  | 17.3  | 25.9   |
| 153       | 14.2  | 11.3  | 16.9   |



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





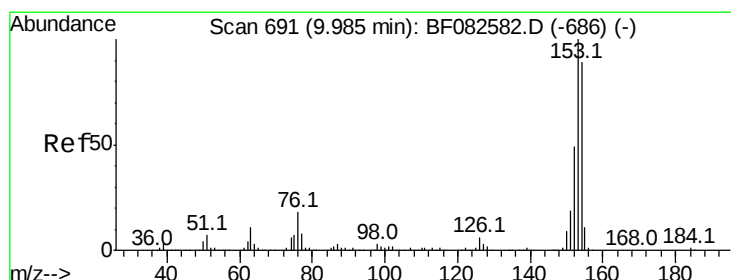
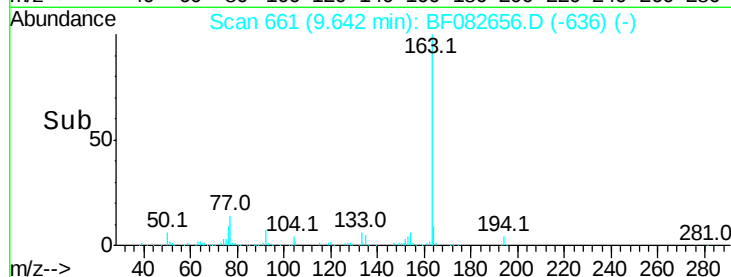
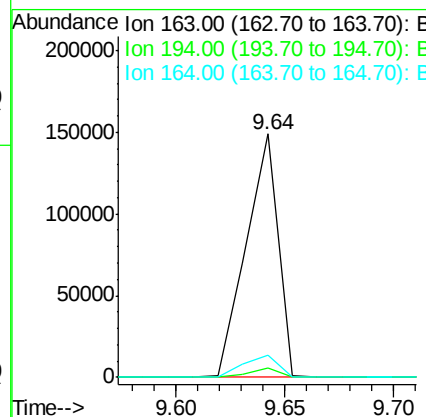
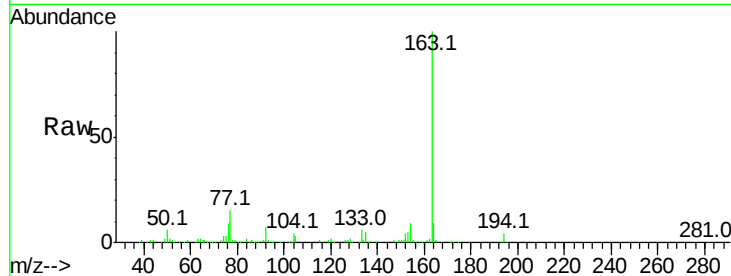
#49  
Dimethylphthalate  
Concen: 4.95 ng  
RT: 9.64 min Scan# 661  
Delta R.T. -0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 151437 |       |       |
| 194     | 3.8   | 2.6    | 4.0   |       |
| 164     | 9.2   | 8.7    | 13.1  |       |

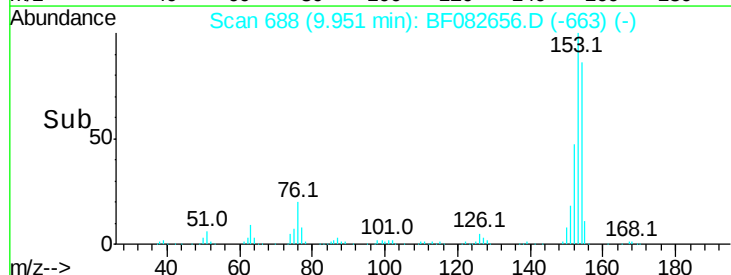
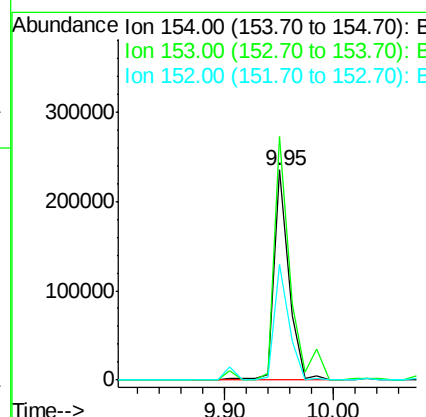
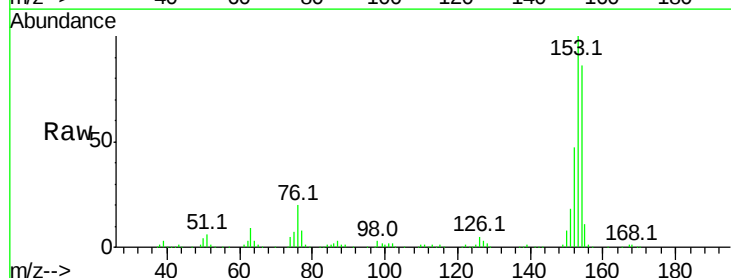
Manual Integrations  
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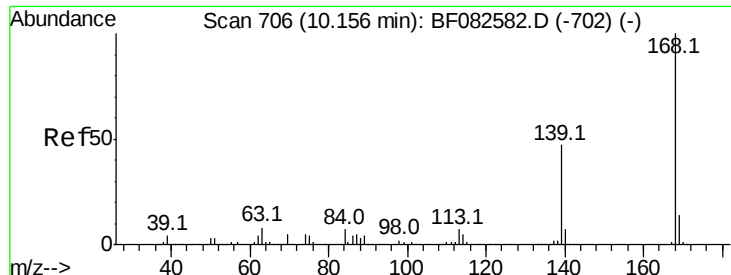
Mmdadoda  
11/4/2015 5:26:07 PM



#51  
Acenaphthene  
Concen: 8.88 ng  
RT: 9.95 min Scan# 688  
Delta R.T. -0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 222615 |       |       |
| 153     | 116.0 | 90.1   | 135.1 |       |
| 152     | 54.9  | 44.3   | 66.5  |       |





#54

Dibenzofuran

Concen: 8.83 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

Instrument :

BNA\_F

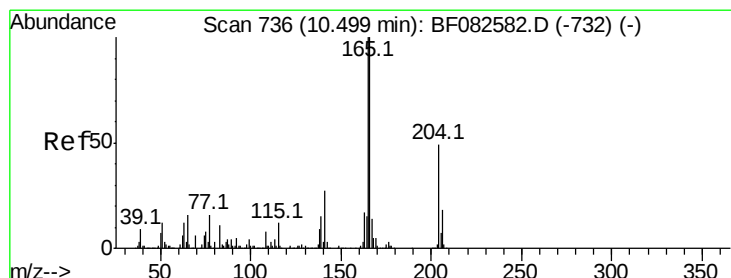
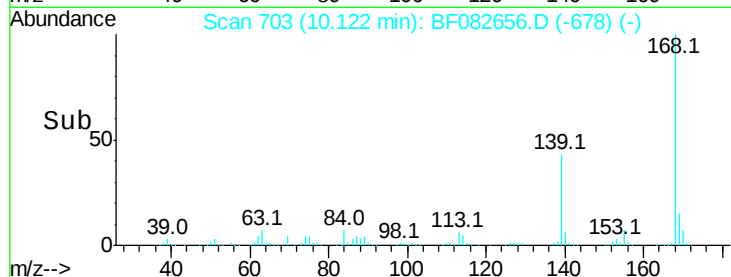
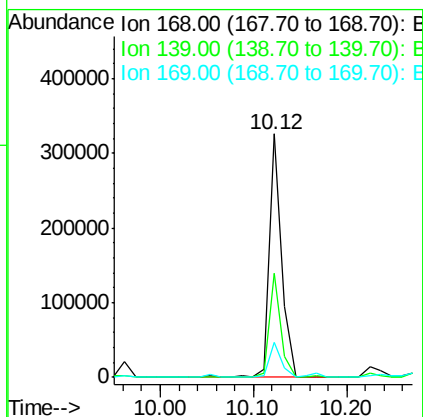
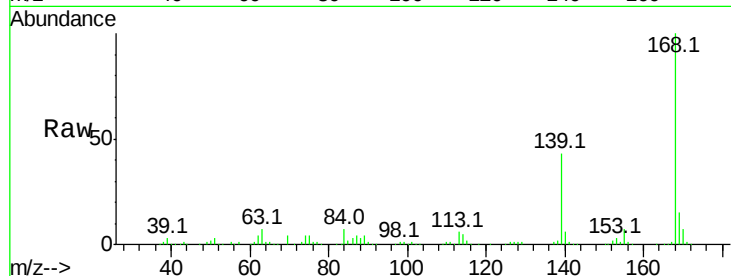
ClientSampleId :

DS-2DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 168   | Resp: | 300525 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 42.9  | 37.8  | 56.6   |
| 169       | 14.5  | 11.3  | 16.9   |

Manual Integrations  
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11/4/2015 5:26:07 PM



#57

Fluorene

Concen: 12.62 ng

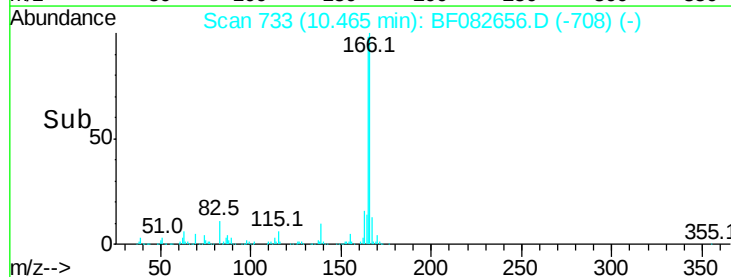
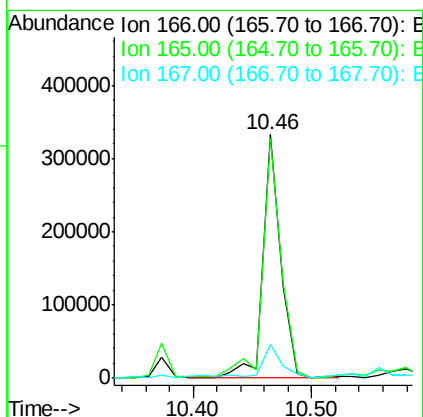
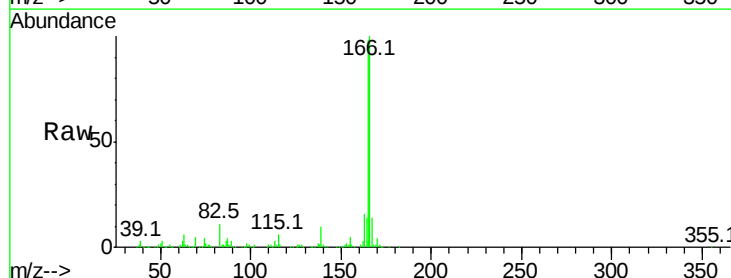
RT: 10.46 min Scan# 733

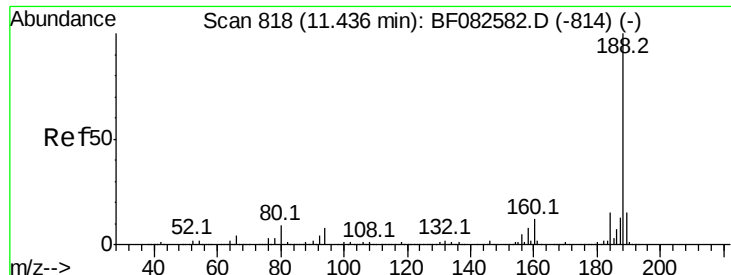
Delta R.T. -0.01 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 346411 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.3  | 80.2  | 120.4  |
| 167       | 13.7  | 11.2  | 16.8   |





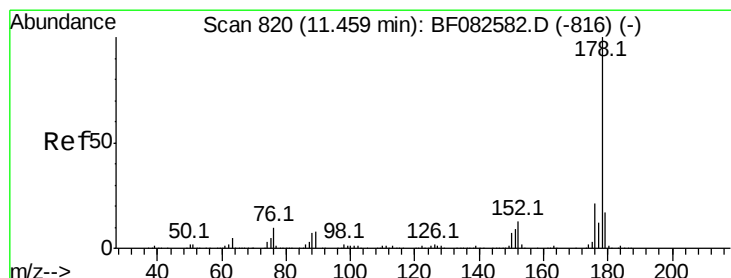
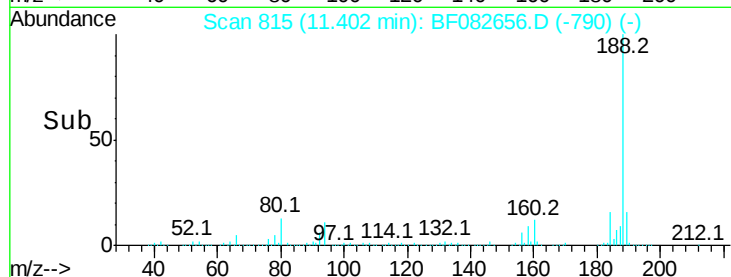
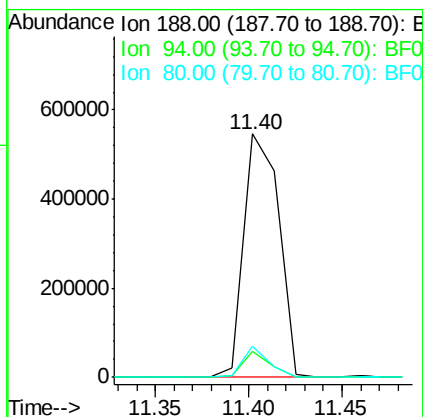
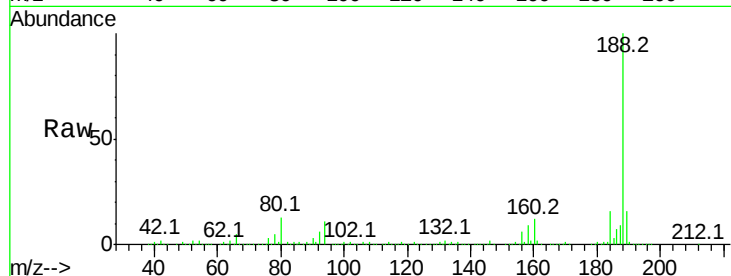
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.40 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 711654 |       |       |
| 94      | 10.6  | 6.1    | 9.1#  |       |
| 80      | 12.7  | 7.0    | 10.6# |       |

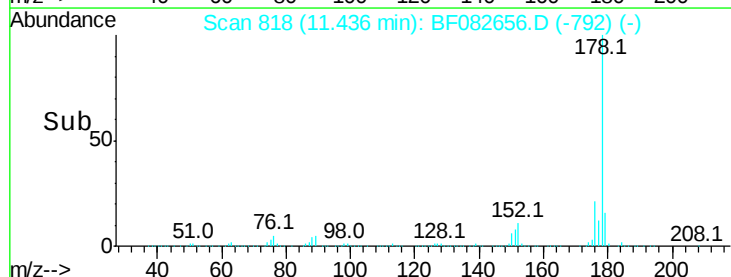
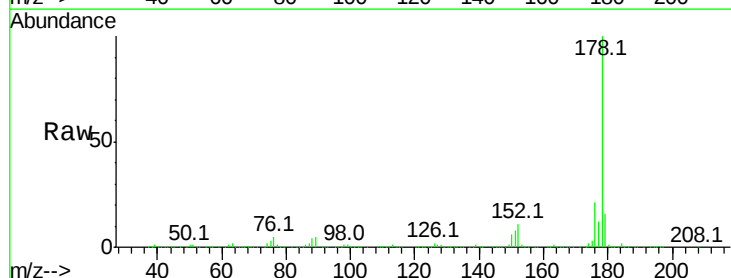
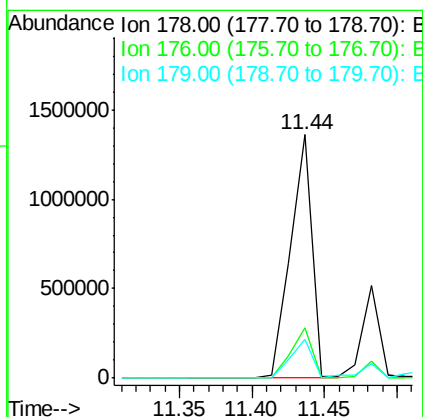
Manual Integrations  
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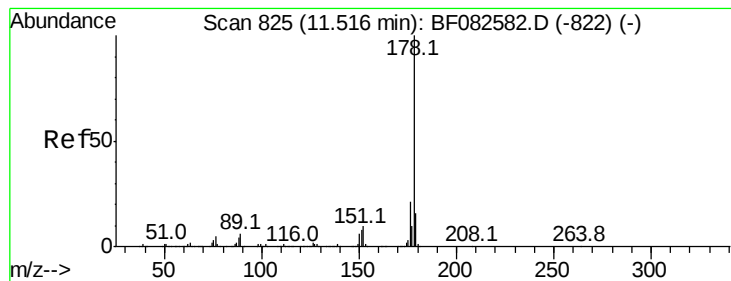
Mmdadoda  
11/4/2015 5:26:07 PM



#70  
Phenanthrene  
Concen: 34.82 ng  
RT: 11.44 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1397721 |       |       |
| 176     | 20.9  | 17.0    | 25.4  |       |
| 179     | 16.0  | 13.4    | 20.0  |       |





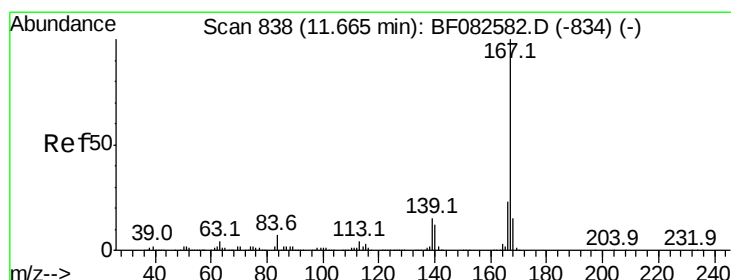
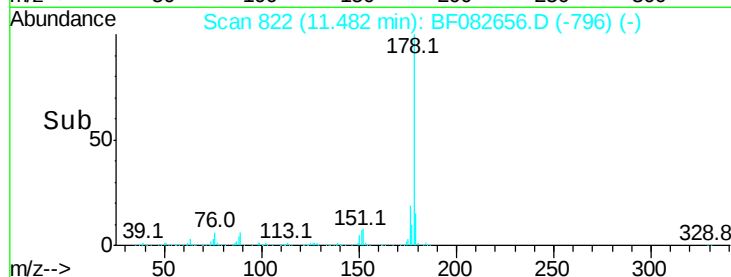
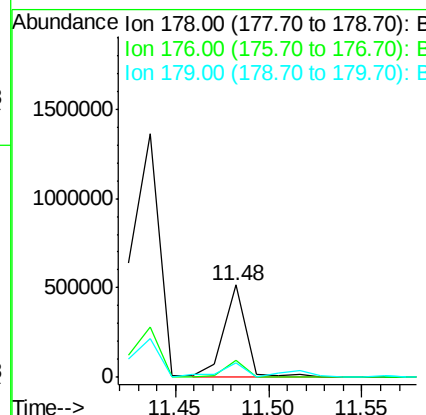
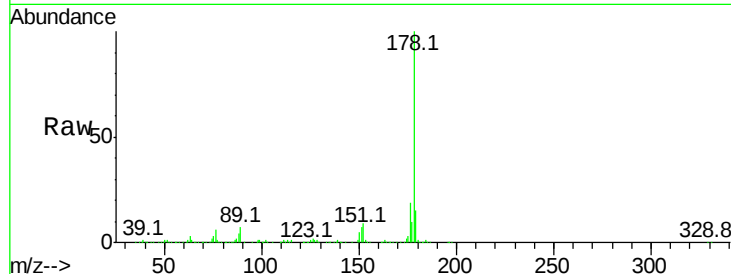
#71  
 Anthracene  
 Concen: 10.62 ng  
 RT: 11.48 min Scan# 822  
 Delta R.T. 0.00 min  
 Lab File: BF082656.D  
 Acq: 3 Nov 2015 11:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 16.5  | 24.7  |
| 179     | 15.5  | 13.2  | 19.8  |

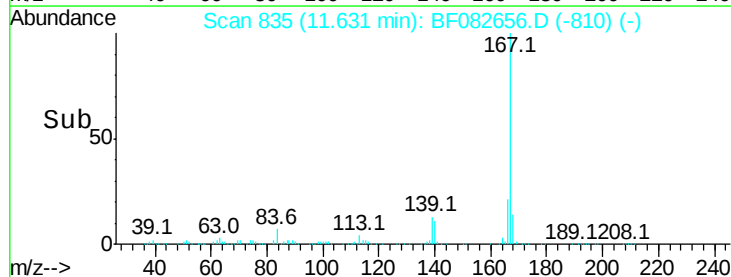
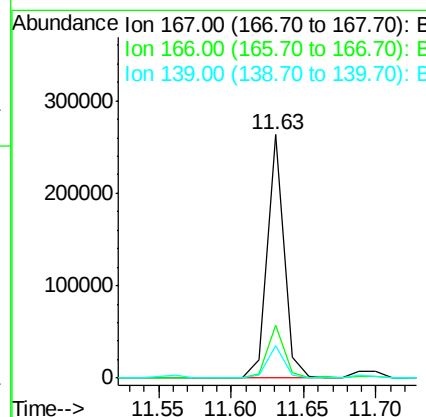
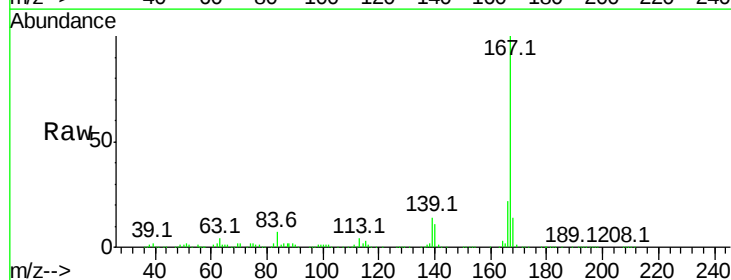
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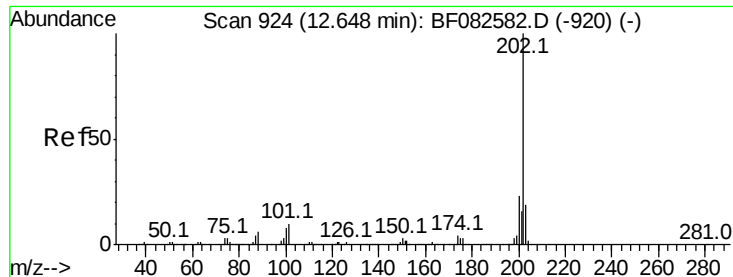
Mmdadoda  
 11/4/2015 5:26:07 PM



#72  
 Carbazole  
 Concen: 6.02 ng  
 RT: 11.63 min Scan# 835  
 Delta R.T. -0.01 min  
 Lab File: BF082656.D  
 Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 18.7  | 28.1  |
| 139     | 13.5  | 11.8  | 17.6  |





#74

Fluoranthene

Concen: 22.06 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

Instrument :

BNA\_F

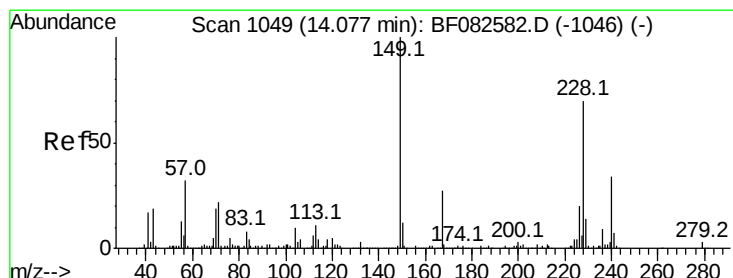
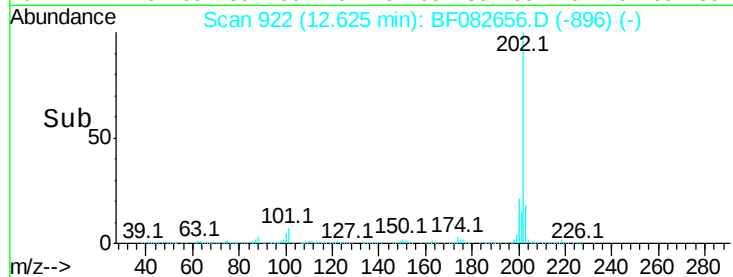
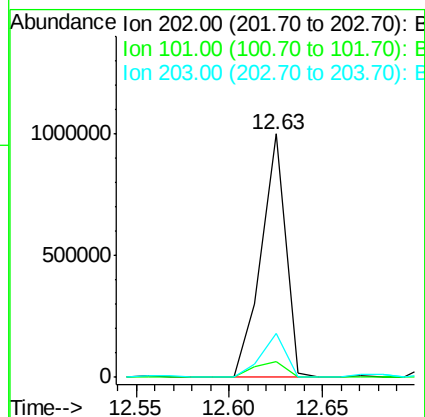
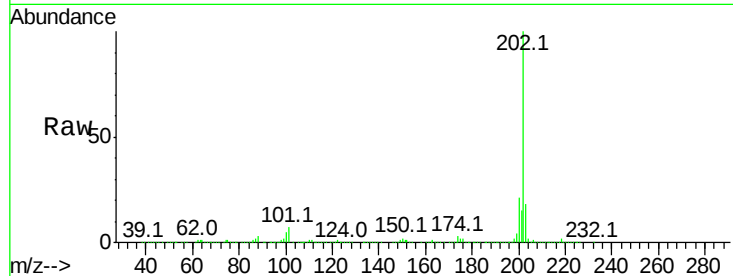
ClientSampleId :

DS-2DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 905382 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 6.6   | 0.0   | 30.5   |
| 203       | 17.9  | 0.0   | 38.5   |

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11/4/2015 5:26:07 PM



#75

Chrysene-d12

Concen: 20.00 ng

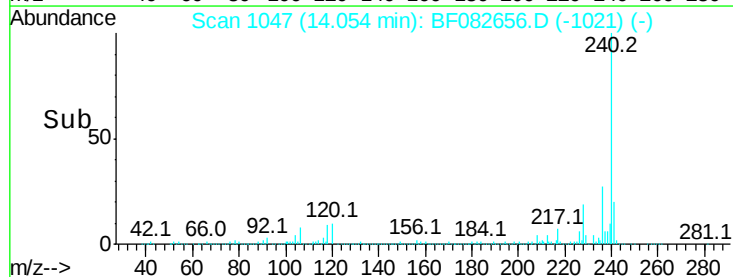
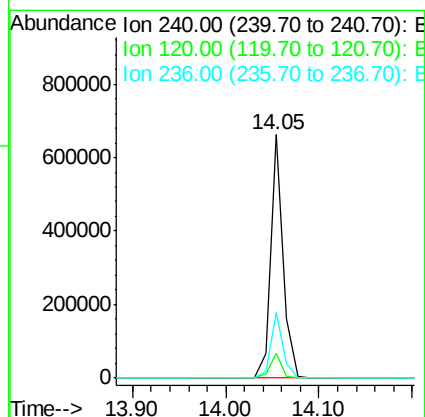
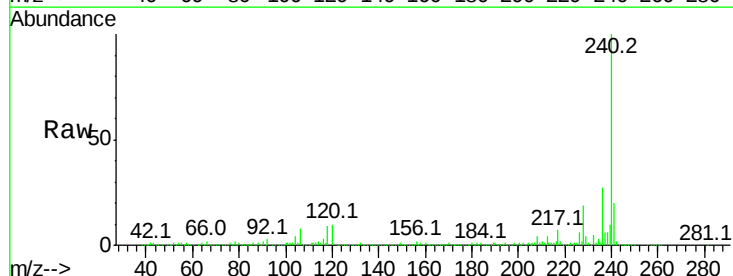
RT: 14.05 min Scan# 1047

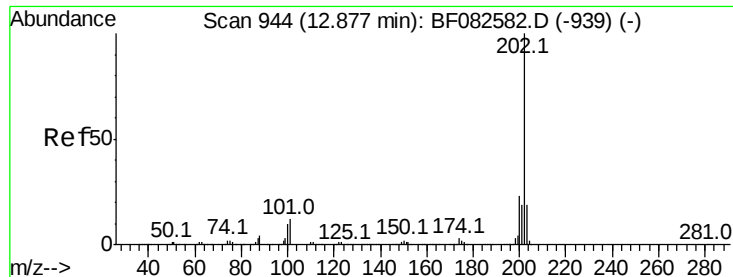
Delta R.T. 0.00 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 619869 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.4  | 10.9  | 16.3#  |
| 236       | 26.9  | 21.6  | 32.4   |





#77

Pvrene

Concen: 16.21 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

Instrument :

BNA\_F

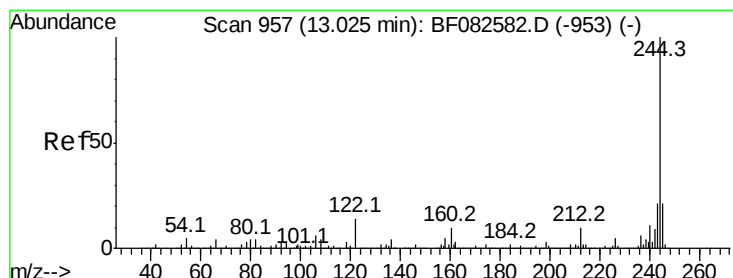
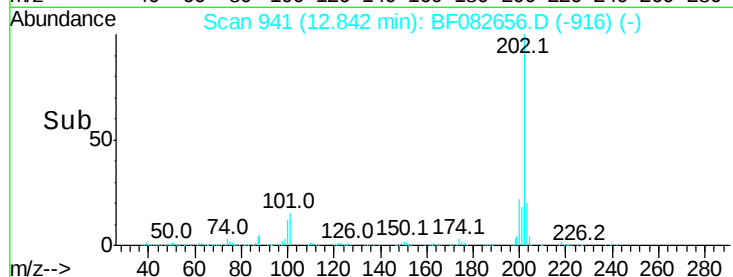
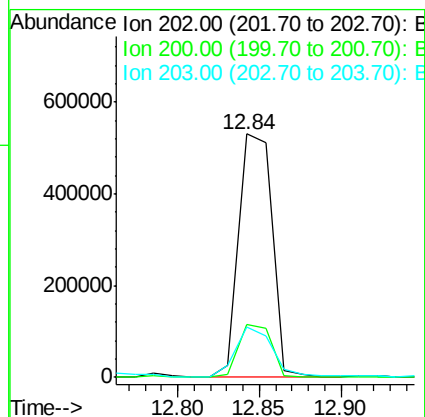
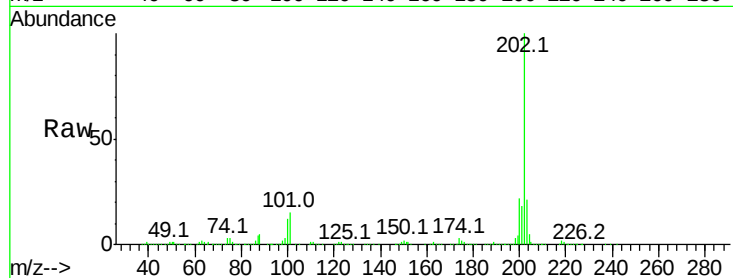
ClientSampleId :

DS-2DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 743967 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 22.0  | 18.7  | 28.1   |
| 203       | 20.8  | 14.8  | 22.2   |

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11/4/2015 5:26:07 PM



#78

Terphenyl-d14

Concen: 17.92 ng

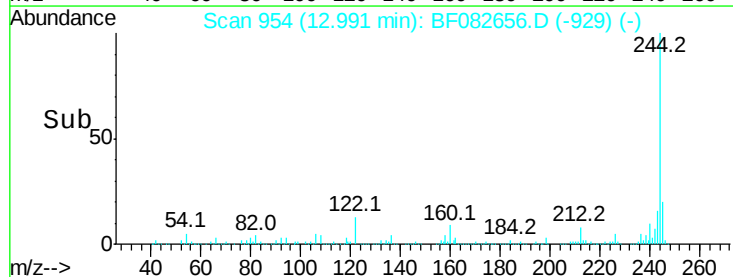
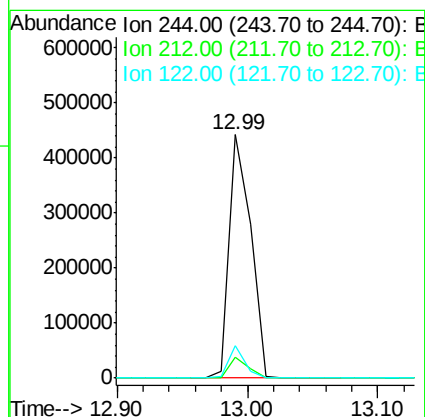
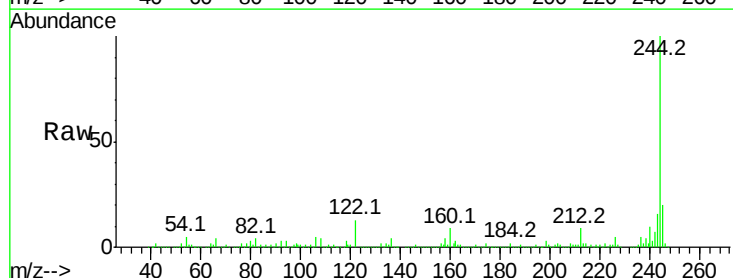
RT: 12.99 min Scan# 954

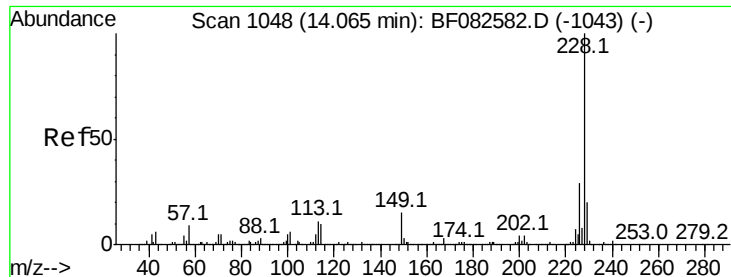
Delta R.T. -0.01 min

Lab File: BF082656.D

Acq: 3 Nov 2015 11:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 507510 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.5   | 7.6   | 11.4   |
| 122       | 13.4  | 11.3  | 16.9   |





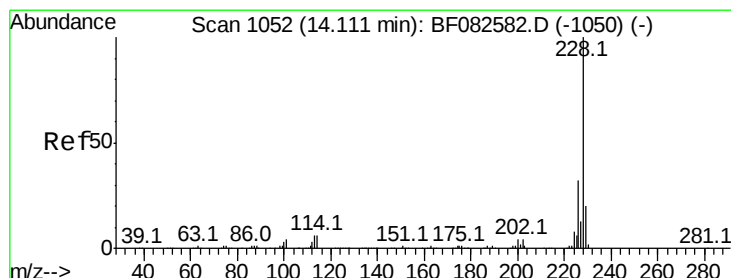
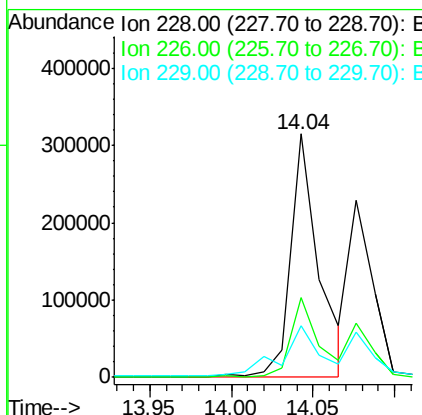
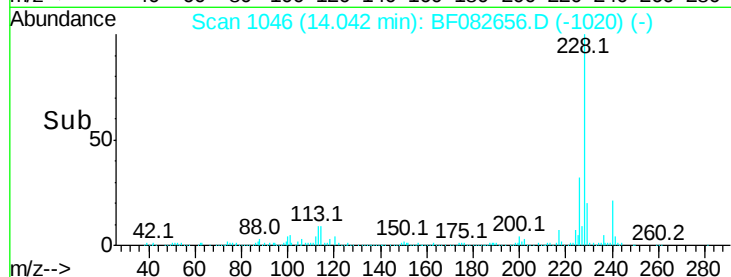
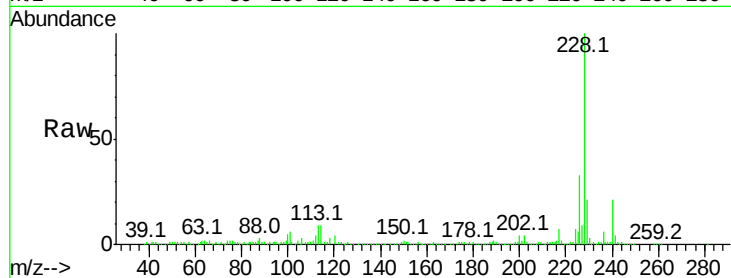
#80  
Benzo(a)anthracene  
Concen: 9.58 ng  
RT: 14.04 min Scan# 1046  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.5  | 23.4  | 35.2  |
| 229     | 21.1  | 16.3  | 24.5  |

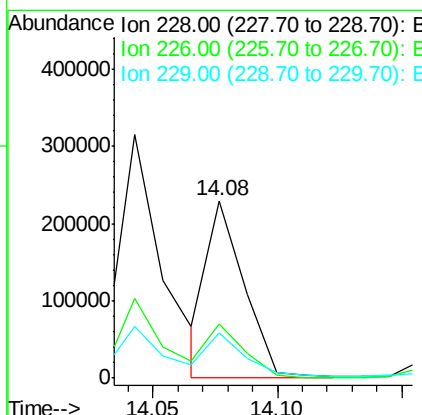
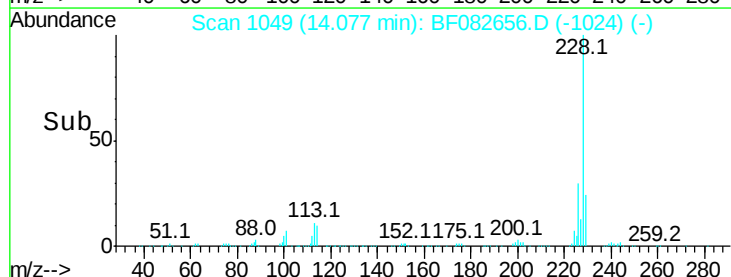
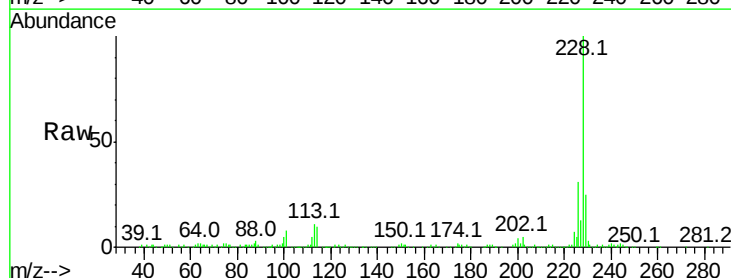
Manual Integrations  
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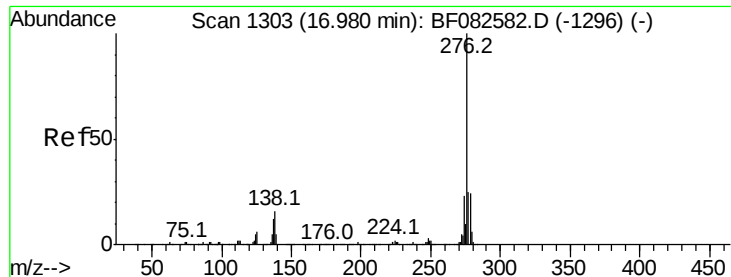
Mmdadoda  
11/4/2015 5:26:07 PM



#82  
Chrysene  
Concen: 6.72 ng m  
RT: 14.08 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 25.5  | 38.3  |
| 229     | 25.2  | 16.3  | 24.5# |





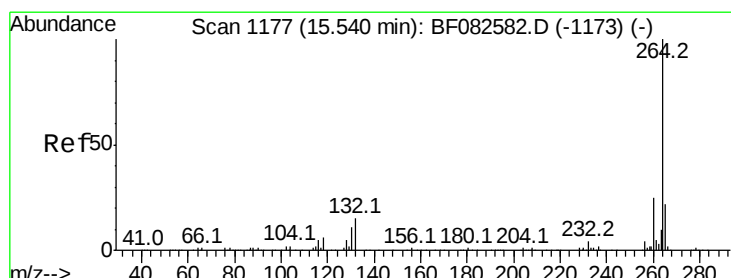
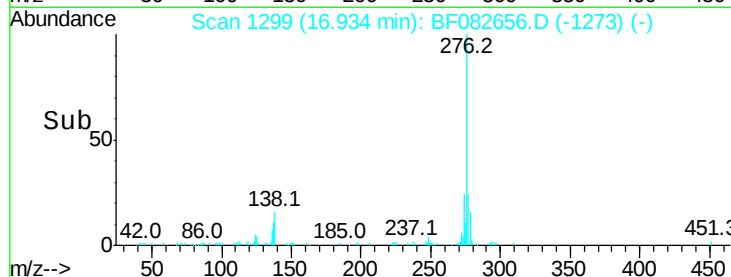
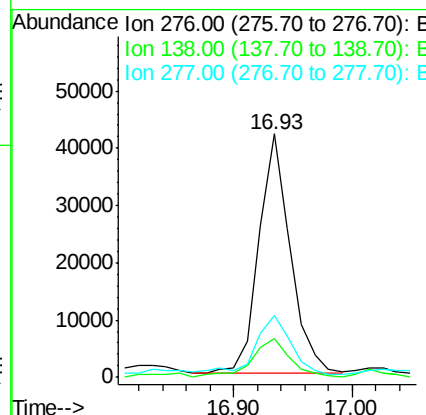
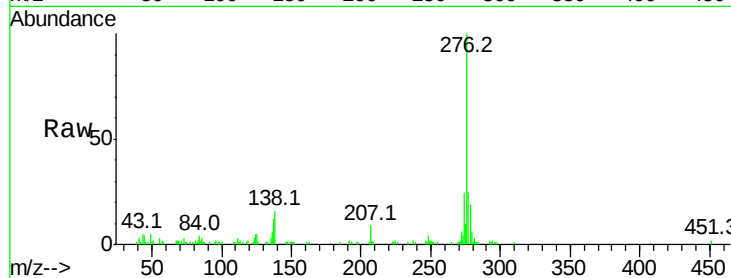
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 2.64 ng  
RT: 16.93 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.9  | 15.3  | 22.9  |
| 277     | 29.9  | 20.2  | 30.4  |

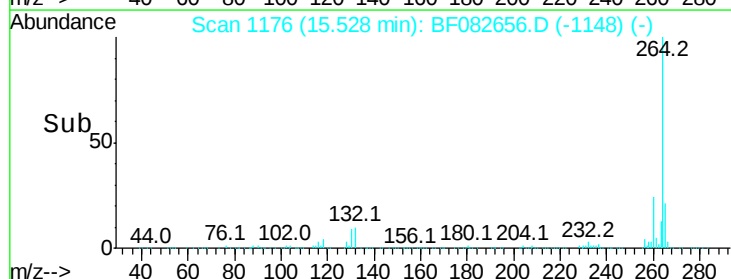
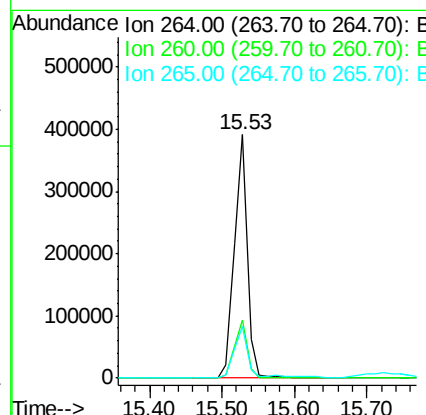
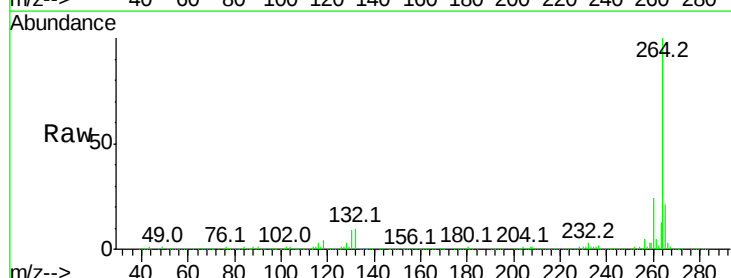
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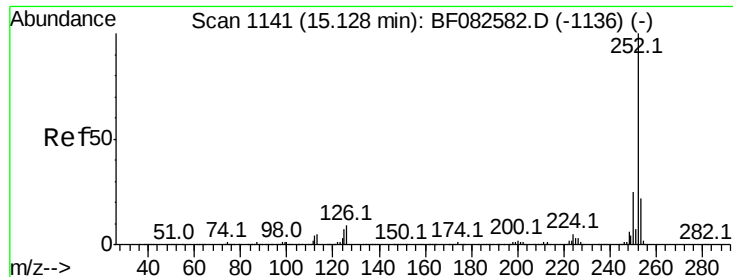
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.53 min Scan# 1176  
Delta R.T. 0.02 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.8  | 29.6  |
| 265     | 21.3  | 17.4  | 26.0  |





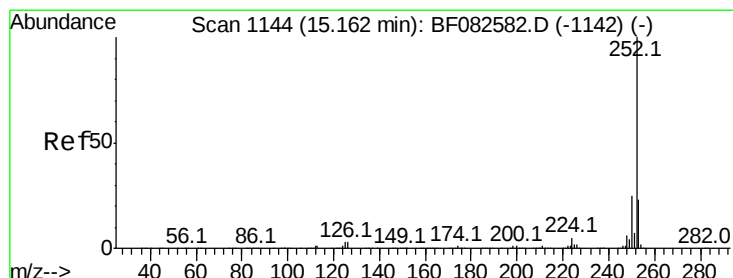
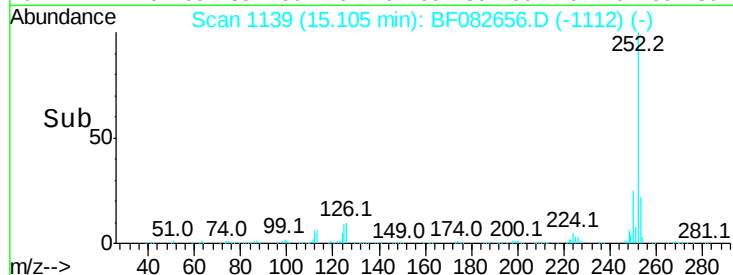
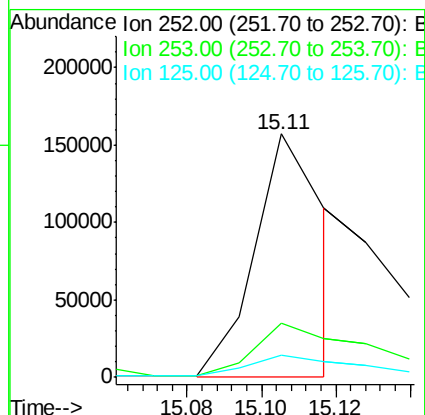
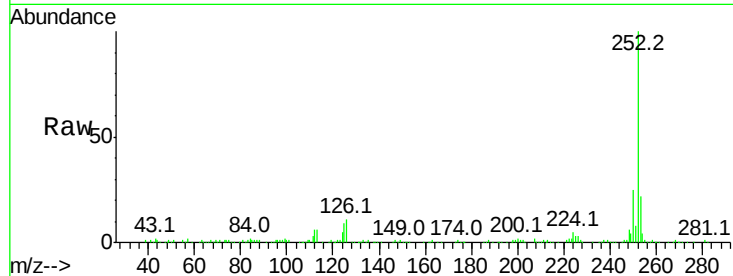
#87  
Benzo(b)fluoranthene  
Concen: 6.22 ng m  
RT: 15.11 min Scan# 1139  
Delta R.T. 0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.3  | 17.8       | 26.8  |
| 125     | 9.1   | 5.4        | 8.2#  |

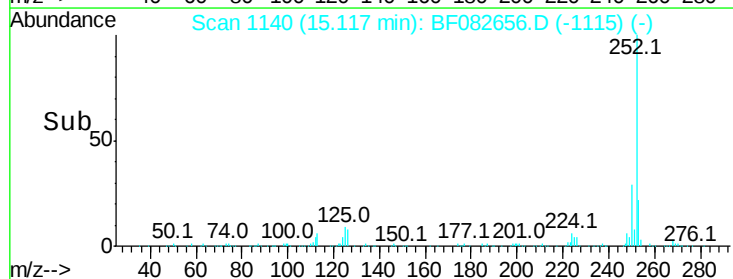
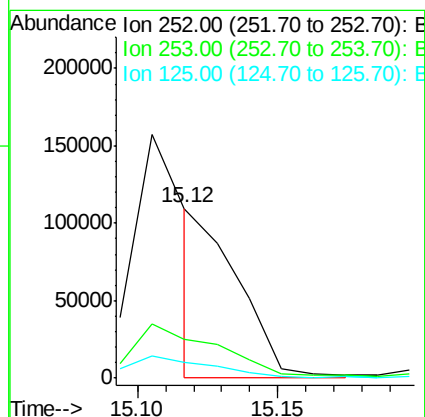
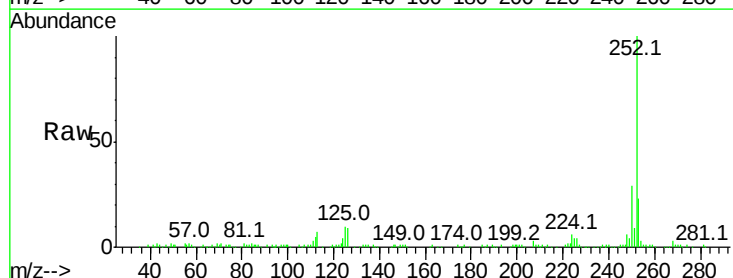
Manual Integrations  
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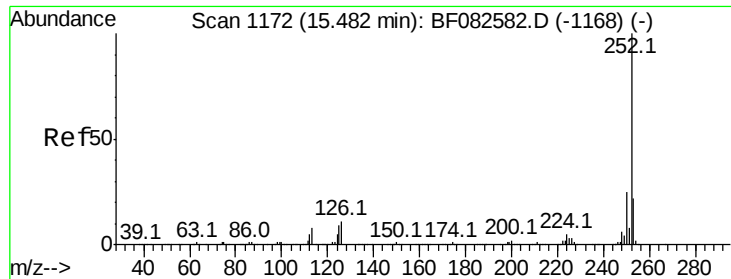
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#88  
Benzo(k)fluoranthene  
Concen: 3.97 ng m  
RT: 15.12 min Scan# 1140  
Delta R.T. -0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.9  | 17.9       | 26.9  |
| 125     | 9.5   | 3.5        | 5.3#  |





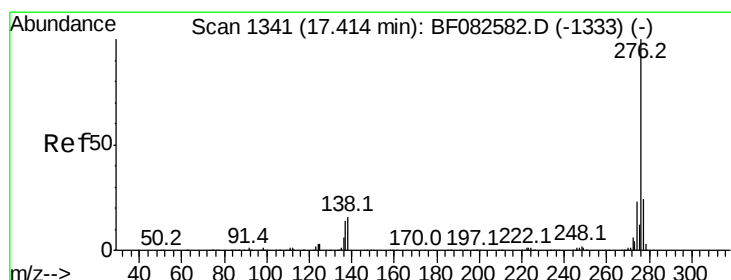
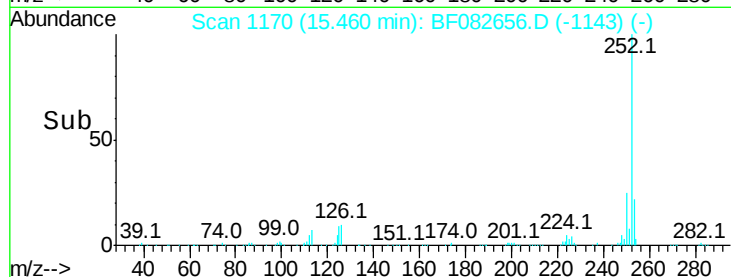
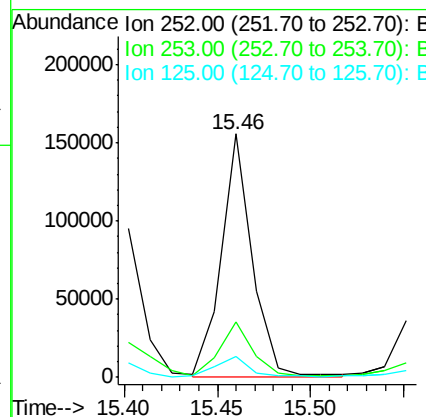
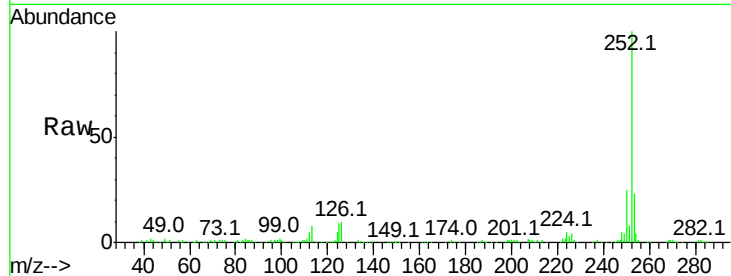
#89  
Benzo(a)pyrene  
Concen: 6.71 ng  
RT: 15.46 min Scan# 1170  
Delta R.T. 0.01 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
DS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.3  | 25.9  |
| 125     | 8.8   | 7.1   | 10.7  |

Manual Integrations  
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#91  
Benzo(g,h,i)perylene  
Concen: 3.24 ng  
RT: 17.36 min Scan# 1336  
Delta R.T. 0.00 min  
Lab File: BF082656.D  
Acq: 3 Nov 2015 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 21.2  | 19.2  | 28.8  |
| 138     | 17.9  | 13.1  | 19.7  |

