

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\  
 Data File : BF082334.D  
 Acq On : 16 Oct 2015 19:15  
 Operator : UM/IZ  
 Sample : G4051-08  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK1-DUP-20151015

Manual Integrations  
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Quant Time: Oct 17 07:13:48 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 17 01:08:23 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.93  | 152  | 57626m   | 20.00  | ng    | 0.09     |
| 21) Naphthalene-d8             | 8.21  | 136  | 259213   | 20.00  | ng    | 0.08     |
| 38) Acenaphthene-d10           | 9.95  | 164  | 145002   | 20.00  | ng    | 0.07     |
| 63) Phenanthrene-d10           | 11.44 | 188  | 275046   | 20.00  | ng    | 0.07     |
| 75) Chrysene-d12               | 14.17 | 240  | 231630   | 20.00  | ng    | 0.10     |
| 86) Perylene-d12               | 15.76 | 264  | 230034   | 20.00  | ng    | 0.17     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 396695   | 138.93 | ng    | 0.10     |
| 7) Phenol-d6                   | 6.56  | 99   | 552136   | 148.60 | ng    | 0.08     |
| 23) Nitrobenzene-d5            | 7.49  | 82   | 327370   | 84.81  | ng    | 0.07     |
| 41) 2,4,6-Tribromophenol       | 10.74 | 330  | 165242   | 121.51 | ng    | 0.06     |
| 44) 2-Fluorobiphenyl           | 9.28  | 172  | 705772   | 80.72  | ng    | 0.07     |
| 78) Terphenyl-d14              | 13.04 | 244  | 722062   | 82.61  | ng    | 0.08     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 31) Naphthalene                | 8.23  | 128  | 64816    | 5.77   | ng    | 98       |
| 37) 2-Methylnaphthalene        | 8.91  | 142  | 28115    | 3.61   | ng    | 98       |
| 48) Acenaphthylene             | 9.82  | 152  | 206837   | 15.25  | ng    | 98       |
| 49) Dimethylphthalate          | 9.67  | 163  | 189143   | 18.52  | ng    | 99       |
| 51) Acenaphthene               | 9.99  | 154  | 60813    | 7.47   | ng    | 99       |
| 54) Dibenzofuran               | 10.16 | 168  | 85685    | 7.67   | ng    | 95       |
| 57) Fluorene                   | 10.50 | 166  | 91289    | 9.95   | ng    | 99       |
| 70) Phenanthrene               | 11.47 | 178  | 1655045  | 122.76 | ng    | 97       |
| 71) Anthracene                 | 11.52 | 178  | 412767   | 29.71  | ng    | 99       |
| 72) Carbazole                  | 11.68 | 167  | 200477   | 15.82  | ng    | 98       |
| 74) Fluoranthene               | 12.68 | 202  | 2181947  | 150.69 | ng    | 97       |
| 77) Pyrene                     | 12.90 | 202  | 1789760  | 130.20 | ng    | 98       |
| 80) Benzo(a)anthracene         | 14.15 | 228  | 994813   | 82.54  | ng    | 95       |
| 82) Chrysene                   | 14.20 | 228  | 879370   | 69.25  | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 14.14 | 149  | 24844    | 2.78   | ng    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.26 | 276  | 476272m  | 47.19  | ng    |          |
| 87) Benzo(b)fluoranthene       | 15.33 | 252  | 1124081m | 80.32  | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.35 | 252  | 359746m  | 30.58  | ng    |          |
| 89) Benzo(a)pyrene             | 15.70 | 252  | 779018m  | 64.77  | ng    |          |
| 90) Dibenzo(a,h)anthracene     | 17.27 | 278  | 126190m  | 12.80  | ng    |          |
| 91) Benzo(g,h,i)perylene       | 17.72 | 276  | 452772   | 47.29  | ng    | 98       |

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

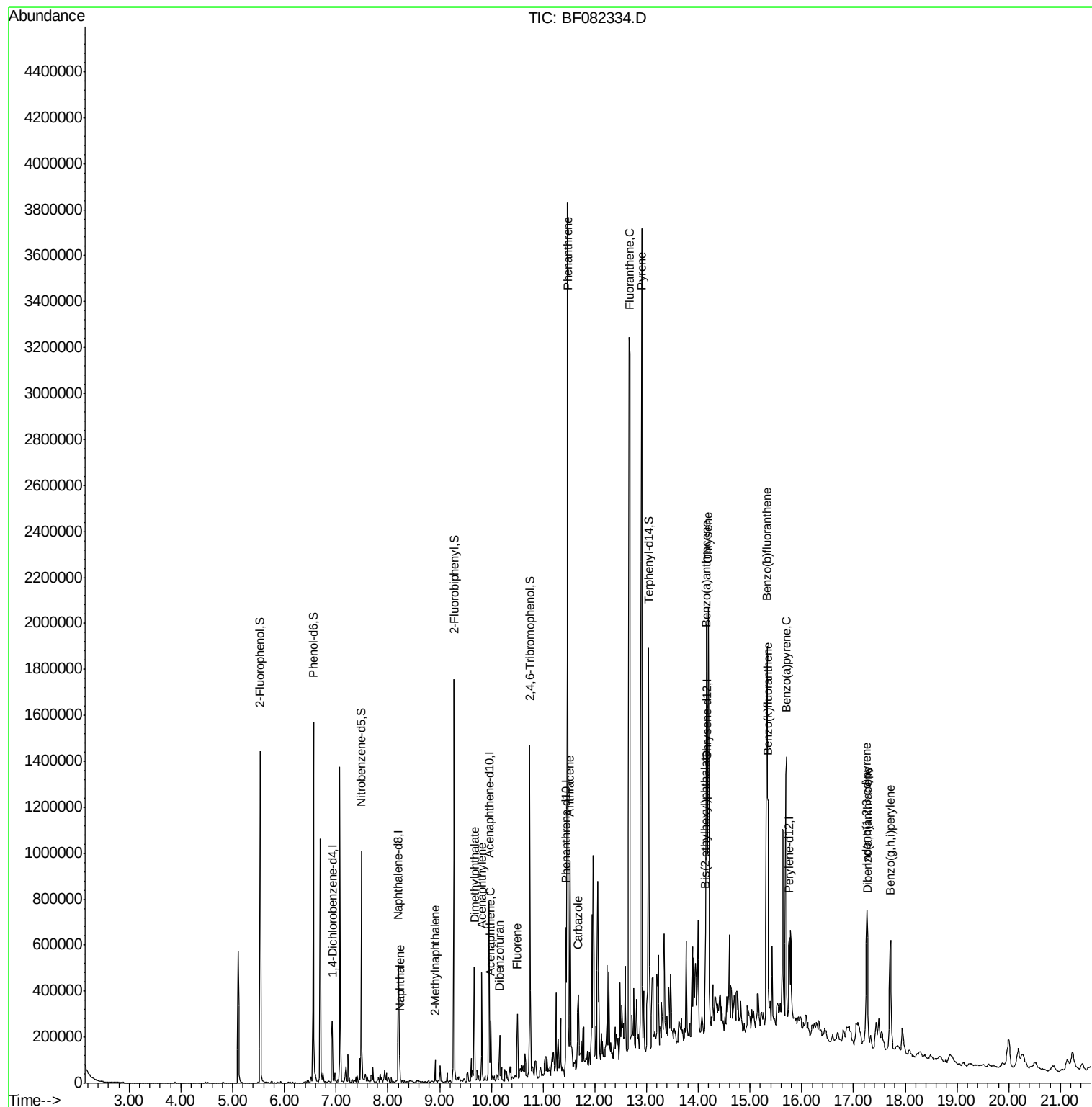
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\  
Data File : BF082334.D  
Acq On : 16 Oct 2015 19:15  
Operator : UM/IZ  
Sample : G4051-08  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

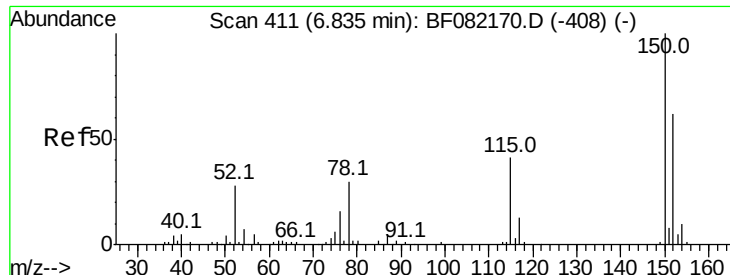
Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

Quant Time: Oct 17 07:13:48 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 17 01:08:23 2015  
Response via : Initial Calibration

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#1

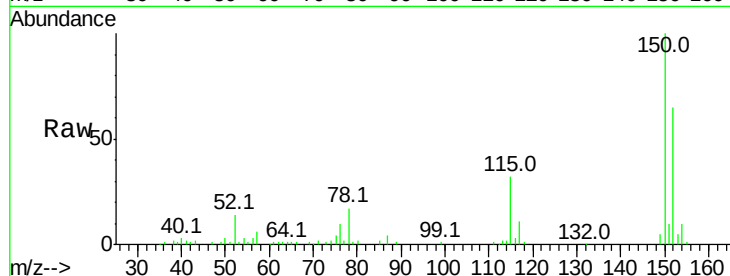
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng m  
RT: 6.93 min Scan# 419  
Delta R.T. 0.09 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

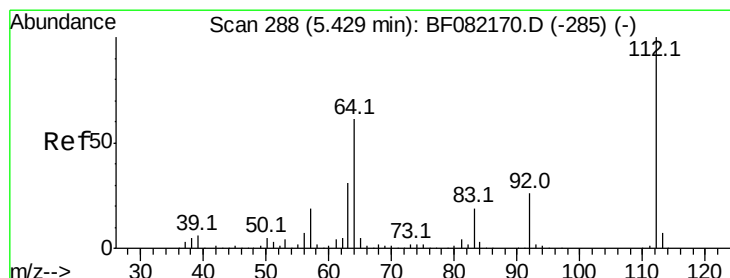
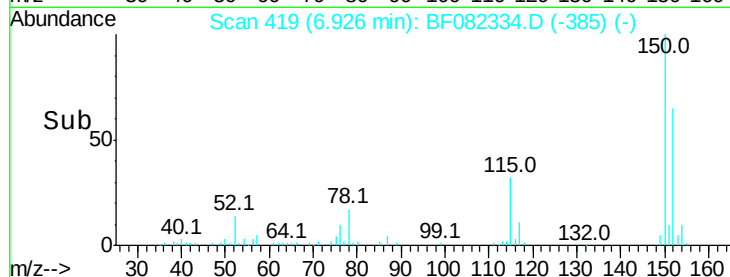
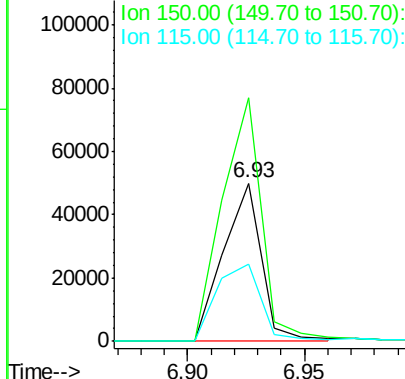
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 129.0 | 193.4 |
| 115     | 49.1  | 52.1  | 78.1# |

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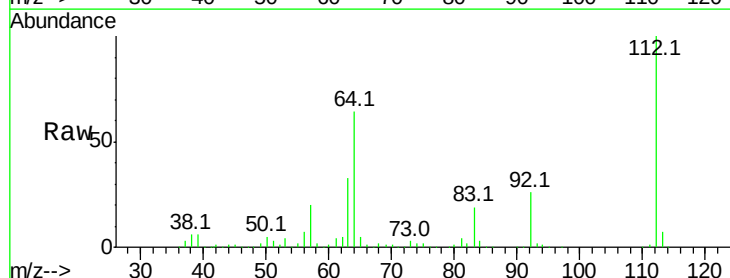
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



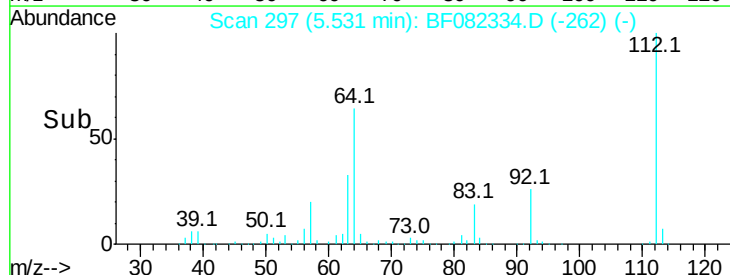
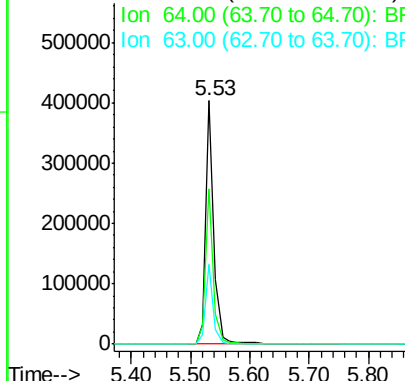
#5

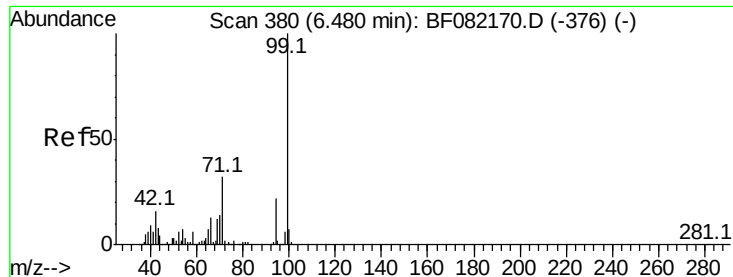
2-Fluorophenol  
Concen: 138.93 ng  
RT: 5.53 min Scan# 297  
Delta R.T. 0.10 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.5  | 48.6  | 73.0  |
| 63      | 33.0  | 25.1  | 37.7  |



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: 148.60 ng

RT: 6.56 min Scan# 387

Delta R.T. 0.08 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

Instrument :

BNA\_F

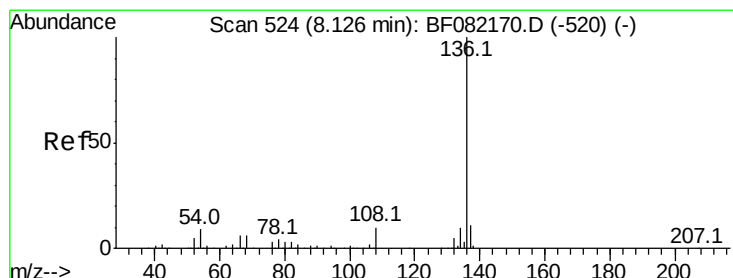
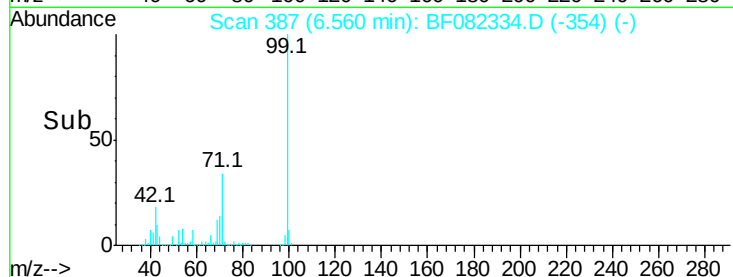
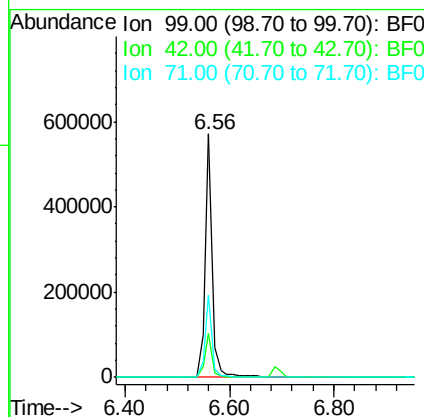
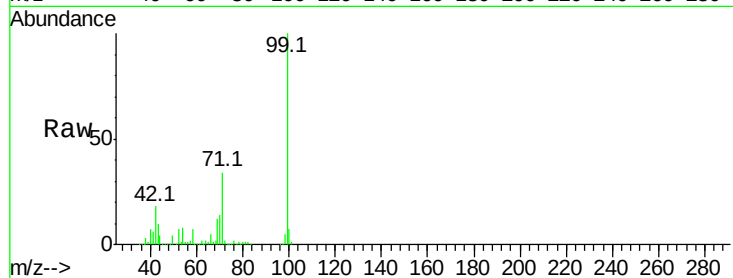
ClientSampleId :

TK1-DUP-20151015

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 552136 |       |       |
| 42      | 17.9 | 13.2  | 19.8   |       |       |
| 71      | 33.7 | 25.6  | 38.4   |       |       |

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#21

Naphthalene-d8

Concen: 20.00 ng

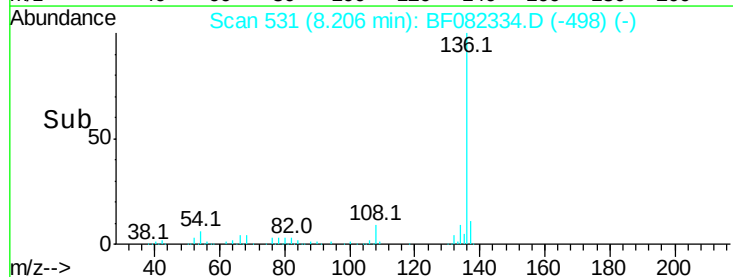
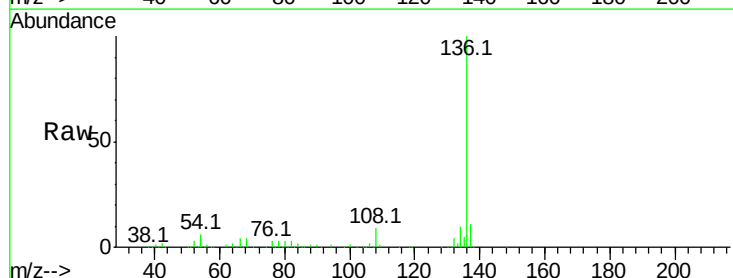
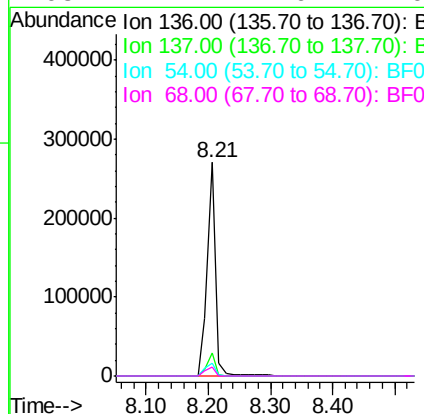
RT: 8.21 min Scan# 531

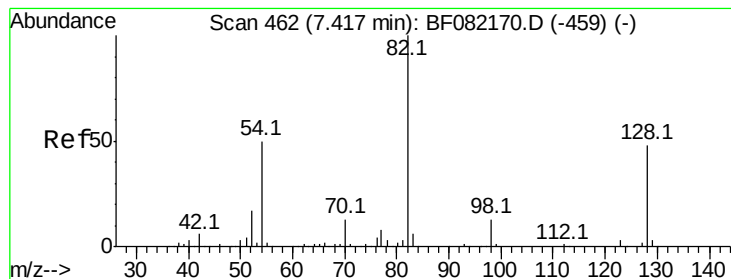
Delta R.T. 0.08 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 259213 |       |       |
| 137     | 10.7 | 9.0   | 13.6   |       |       |
| 54      | 6.2  | 7.5   | 11.3#  |       |       |
| 68      | 4.2  | 4.6   | 7.0#   |       |       |





#23

Nitrobenzene-d5

Concen: 84.81 ng

RT: 7.49 min Scan# 468

Delta R.T. 0.07 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

Instrument :

BNA\_F

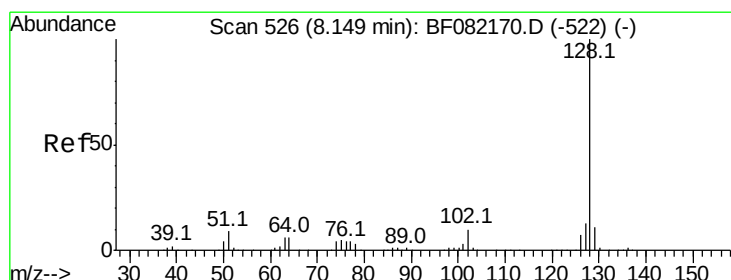
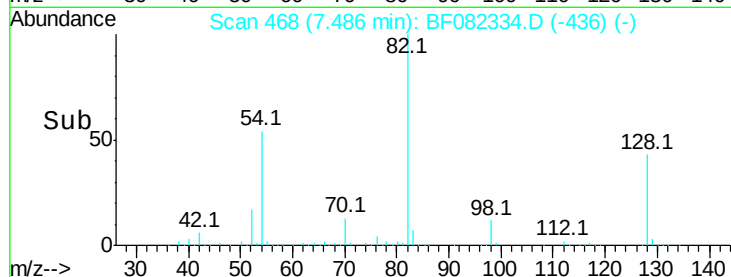
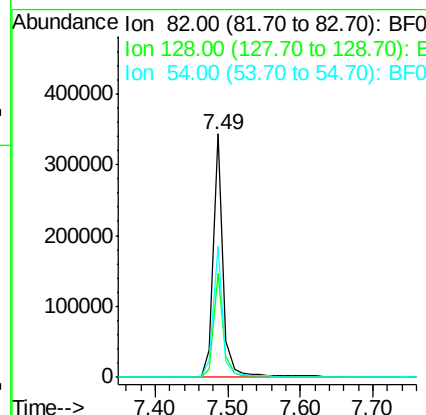
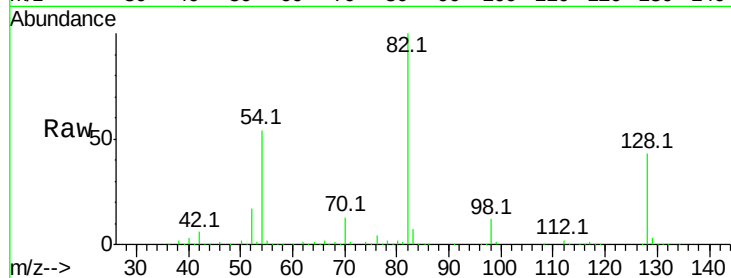
ClientSampleId :

TK1-DUP-20151015

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 327370 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.7  | 38.7  | 58.1   |
| 54        | 53.8  | 40.1  | 60.1   |

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#31

Naphthalene

Concen: 5.77 ng

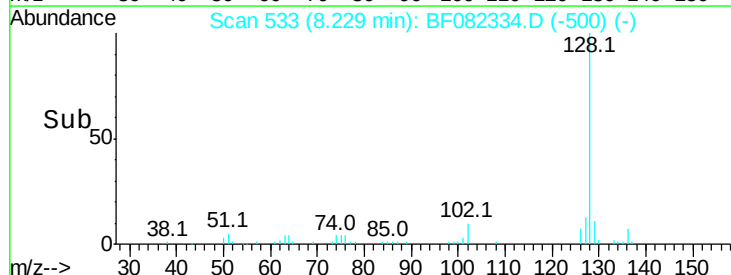
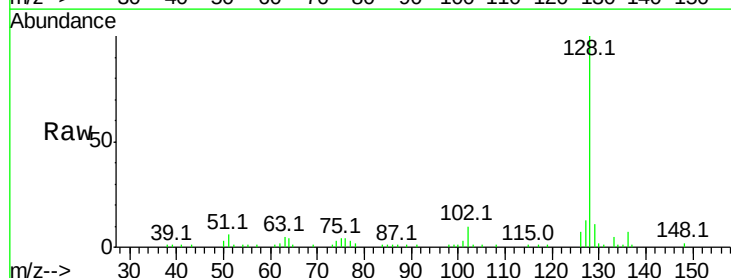
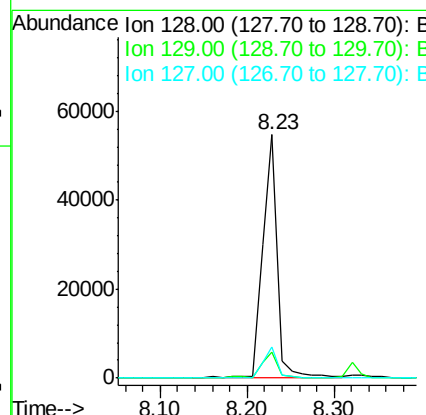
RT: 8.23 min Scan# 533

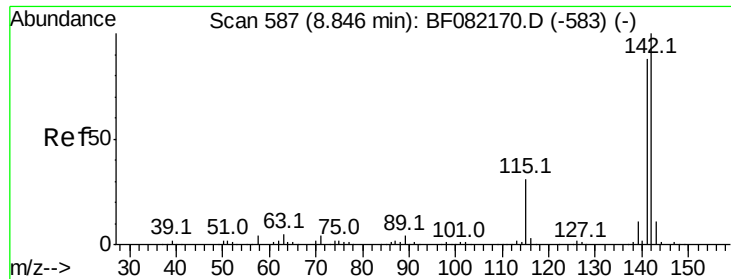
Delta R.T. 0.08 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 64816 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.5  | 9.1   | 13.7  |
| 127       | 12.7  | 10.7  | 16.1  |





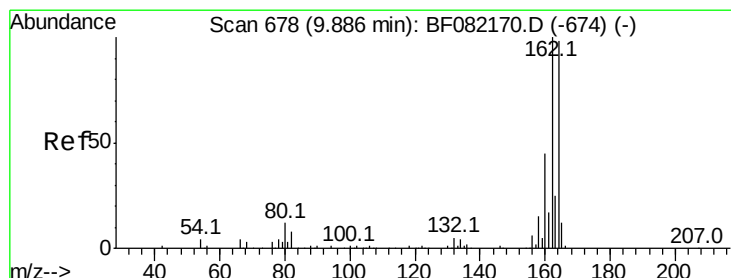
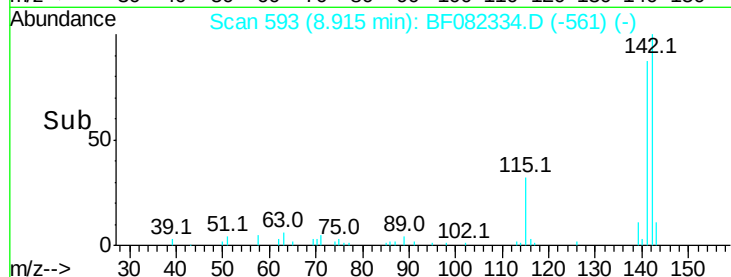
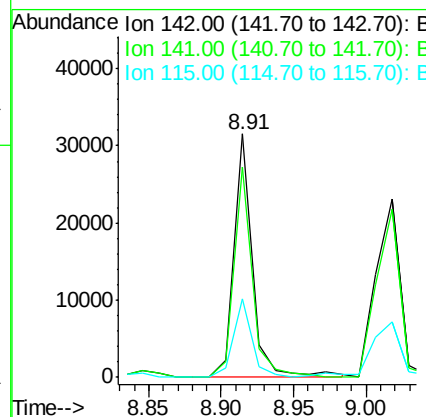
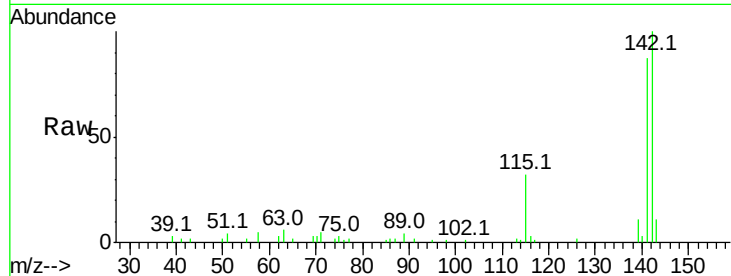
#37  
2-Methylnaphthalene  
Concen: 3.61 ng  
RT: 8.91 min Scan# 593  
Delta R.T. 0.07 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.6  | 70.4  | 105.6 |
| 115     | 32.1  | 24.6  | 37.0  |

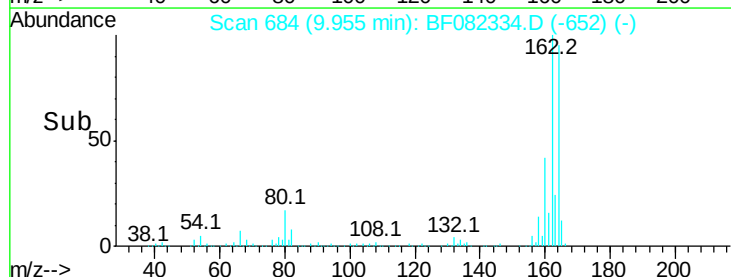
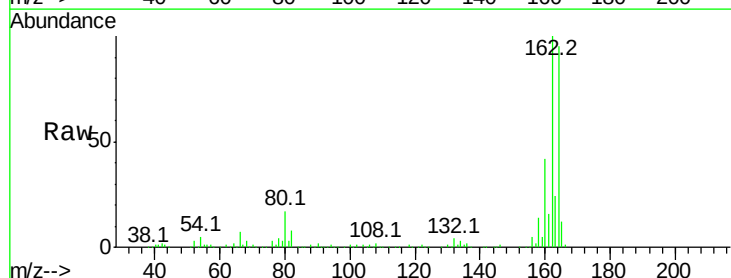
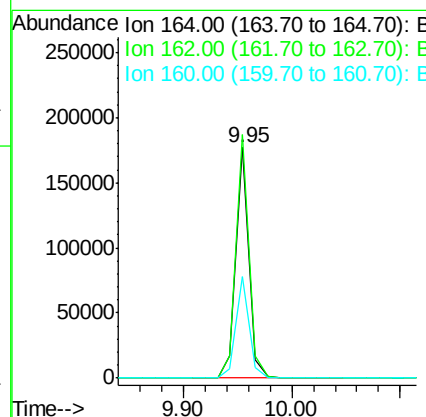
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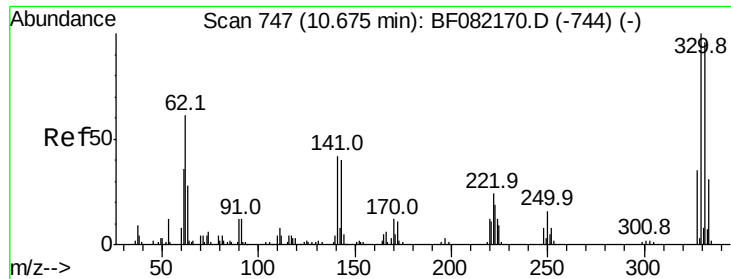
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.95 min Scan# 684  
Delta R.T. 0.07 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.6 | 81.6  | 122.4 |
| 160     | 44.3  | 36.4  | 54.6  |





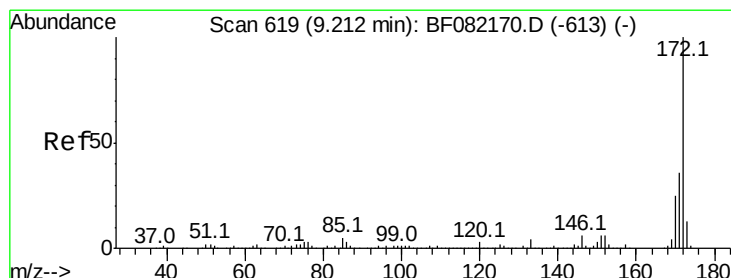
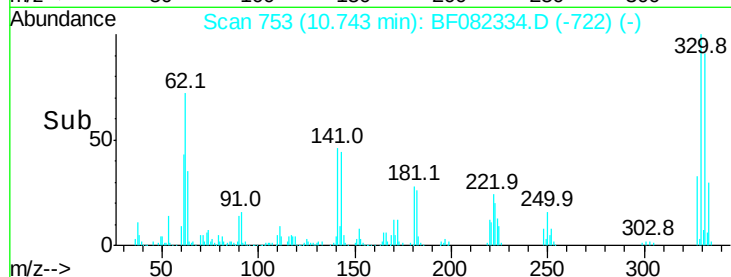
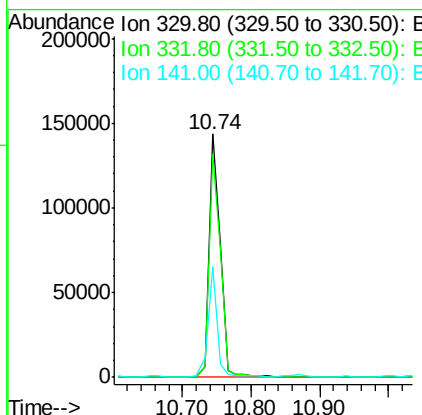
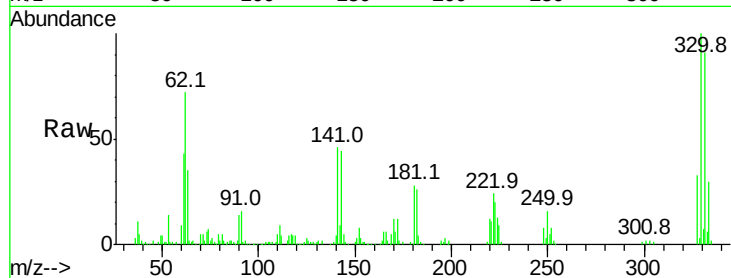
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 2,4,6-Tribromophenol  
 Concen: 121.51 ng  
 RT: 10.74 min Scan# 753  
 Delta R.T. 0.06 min  
 Lab File: BF082334.D  
 Acq: 16 Oct 2015 19:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK1-DUP-20151015

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 165242 |       |       |
| 332     | 92.9  |        | 77.1  | 115.7 |
| 141     | 36.6  |        | 29.8  | 44.8  |

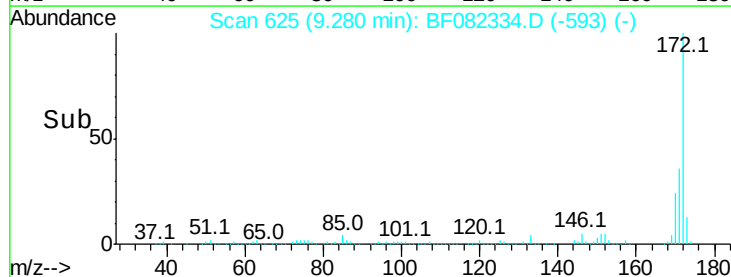
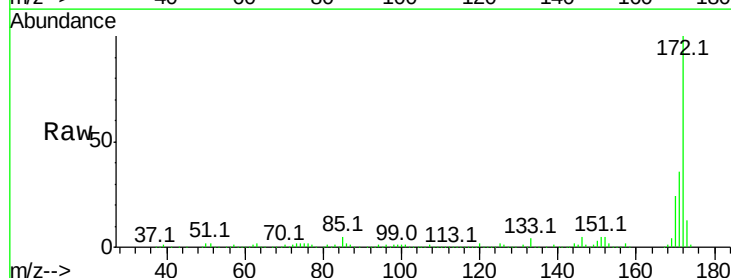
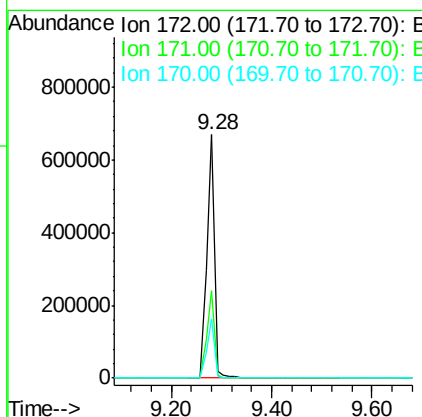
Manual Integrations  
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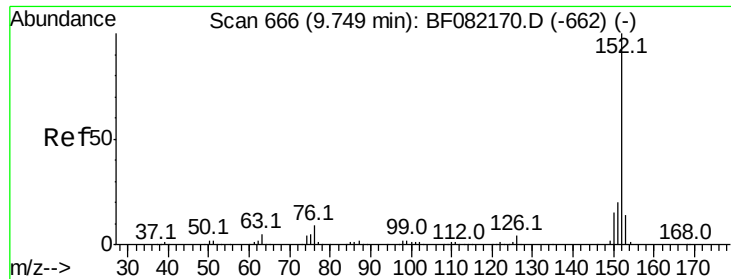
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#44  
 2-Fluorobiphenyl  
 Concen: 80.72 ng  
 RT: 9.28 min Scan# 625  
 Delta R.T. 0.07 min  
 Lab File: BF082334.D  
 Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 705772 |       |       |
| 171     | 35.7  |        | 28.6  | 42.8  |
| 170     | 24.3  |        | 19.7  | 29.5  |





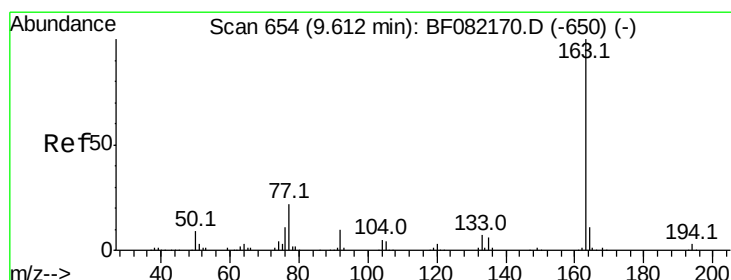
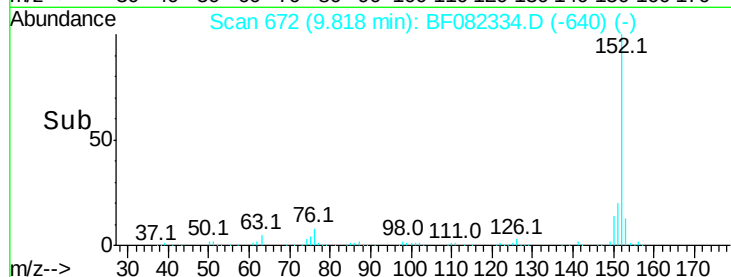
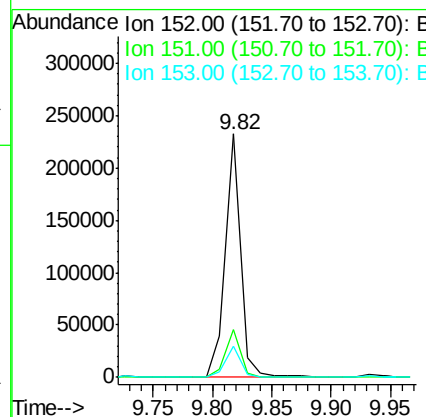
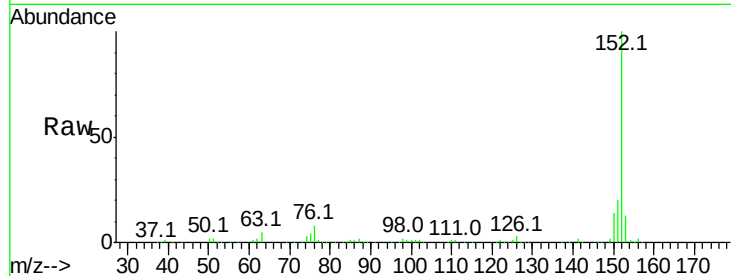
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Acenaphthylene  
Concen: 15.25 ng  
RT: 9.82 min Scan# 672  
Delta R.T. 0.07 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 206837 |       |       |
| 151     | 19.5  |        | 16.4  | 24.6  |
| 153     | 12.8  |        | 10.8  | 16.2  |

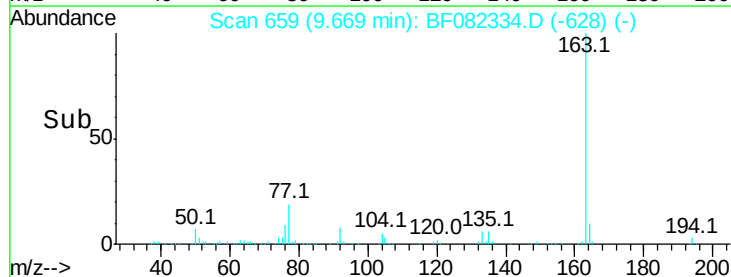
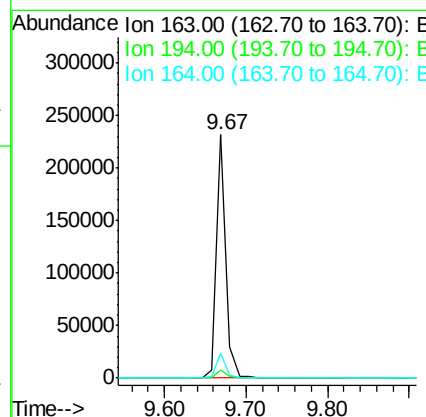
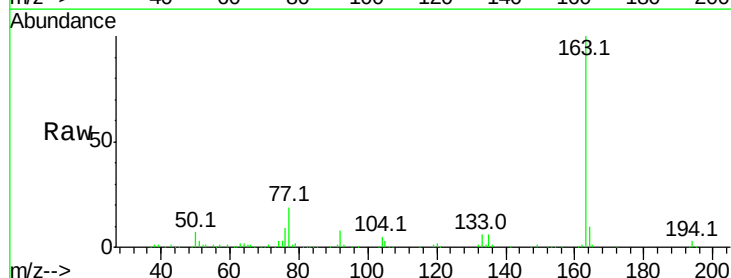
Manual Integrations  
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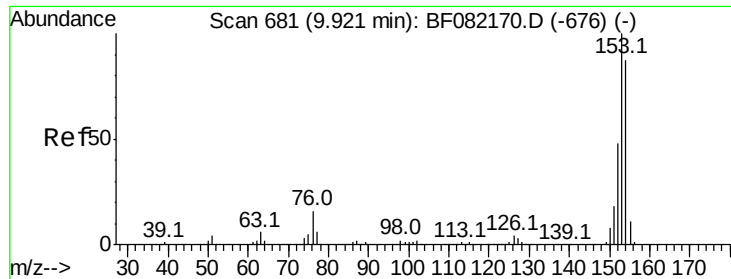


#49  
Dimethylphthalate  
Concen: 18.52 ng  
RT: 9.67 min Scan# 659  
Delta R.T. 0.06 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 189143 |       |       |
| 194     | 3.3   |        | 2.6   | 4.0   |
| 164     | 10.2  |        | 8.5   | 12.7  |







#51

Acenaphthene

Concen: 7.47 ng

RT: 9.99 min Scan# 687

Delta R.T. 0.07 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

Instrument :

BNA\_F

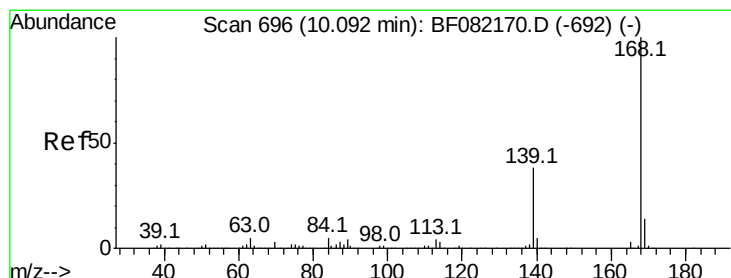
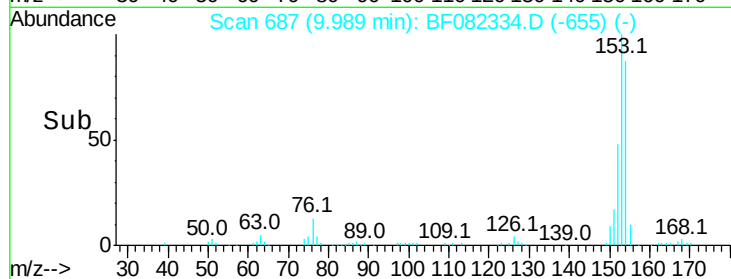
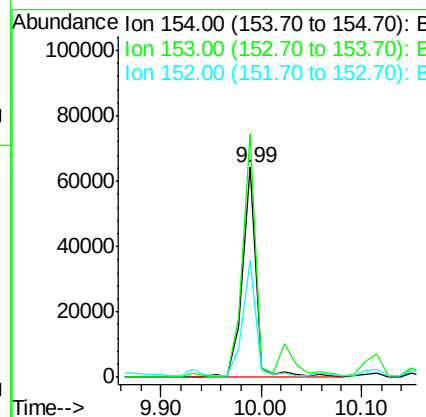
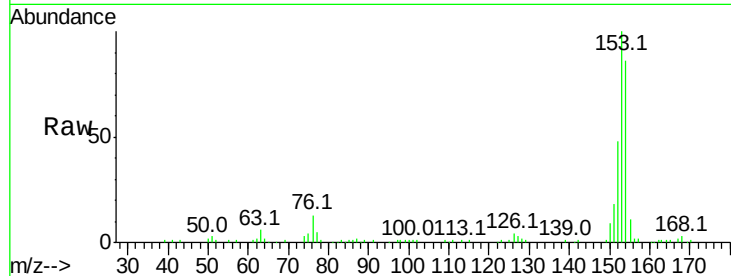
ClientSampleId :

TK1-DUP-20151015

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 60813 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 115.9 | 91.4  | 137.2 |
| 152       | 55.9  | 44.3  | 66.5  |

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MMdadoda  
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#54

Dibenzofuran

Concen: 7.67 ng

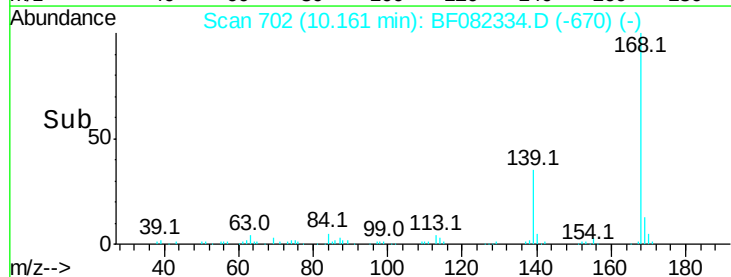
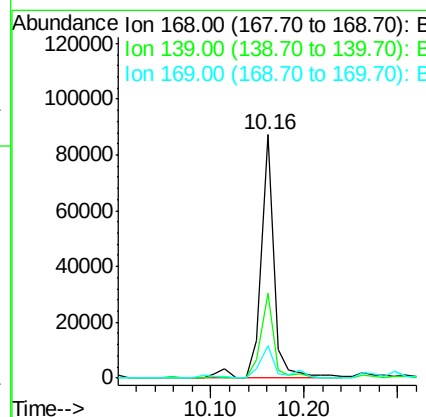
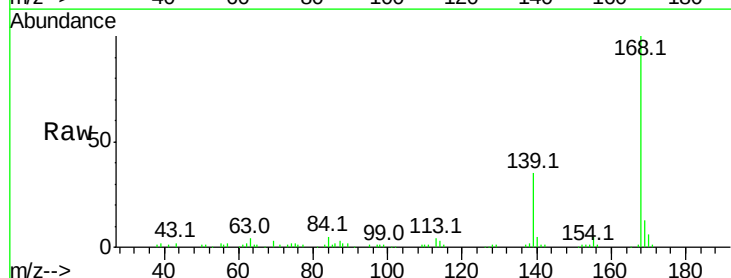
RT: 10.16 min Scan# 702

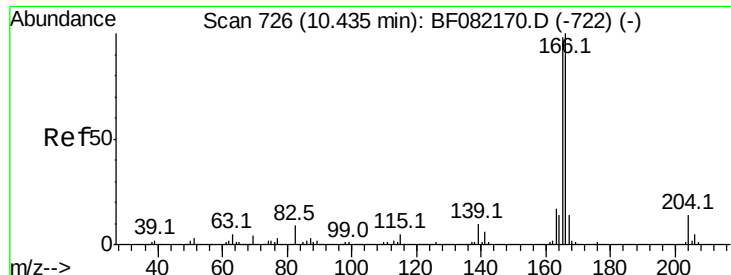
Delta R.T. 0.07 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 85685 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 34.7  | 31.0  | 46.6  |
| 169       | 13.3  | 10.9  | 16.3  |





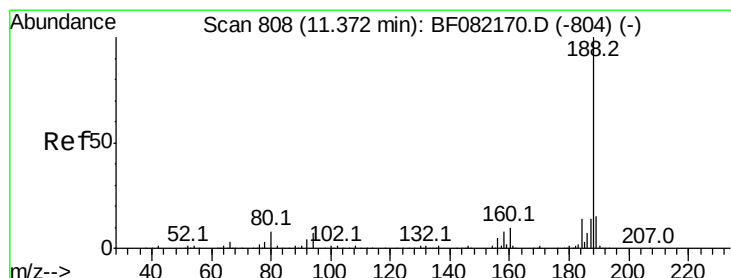
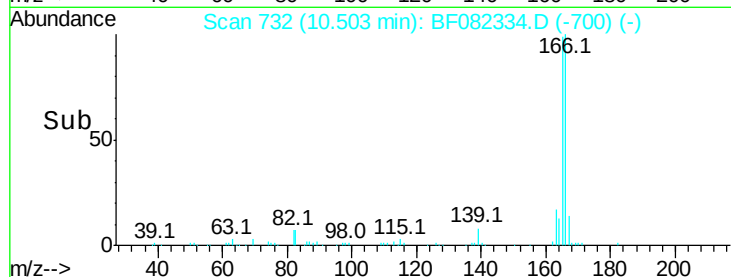
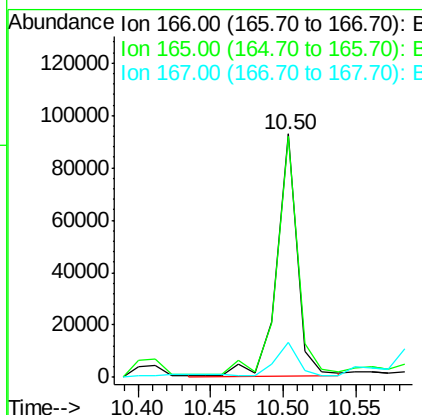
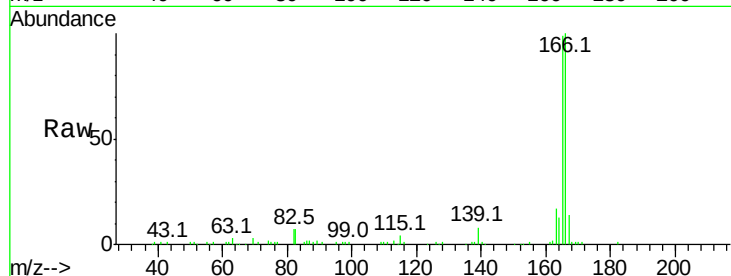
#57  
Fluorene  
Concen: 9.95 ng  
RT: 10.50 min Scan# 732  
Delta R.T. 0.07 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.8  | 78.3  | 117.5 |
| 167     | 14.3  | 10.8  | 16.2  |

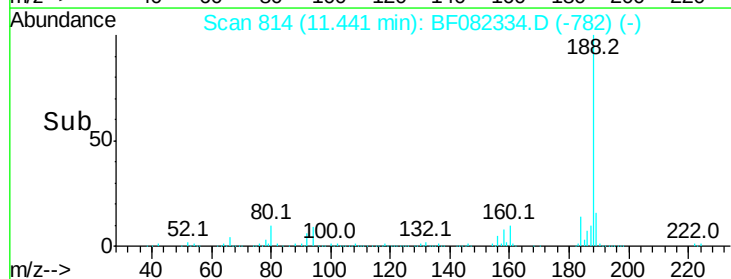
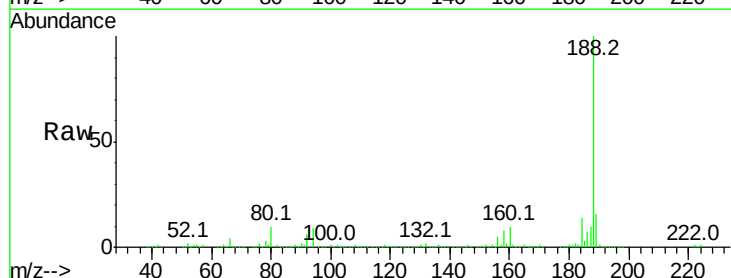
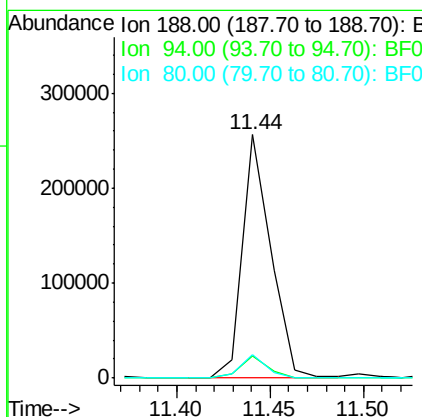
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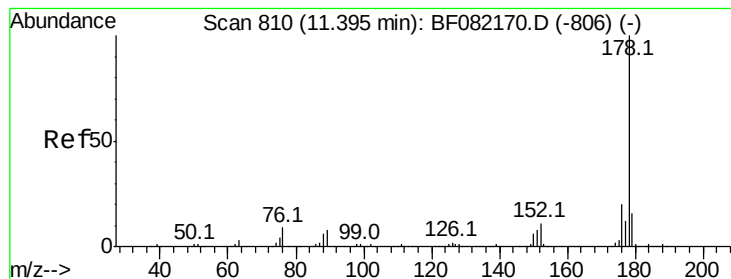
MMdadoda  
10/19/2015 5:32:22 PM



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.44 min Scan# 814  
Delta R.T. 0.07 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 5.8   | 8.6#  |
| 80      | 9.9   | 6.4   | 9.6#  |





#70

Phenanthrene

Concen: 122.76 ng

RT: 11.47 min Scan# 817

Delta R.T. 0.08 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

Instrument :

BNA\_F

ClientSampleId :

TK1-DUP-20151015

Tot Ion:178 Resp: 1655045

Ion Ratio Lower Upper

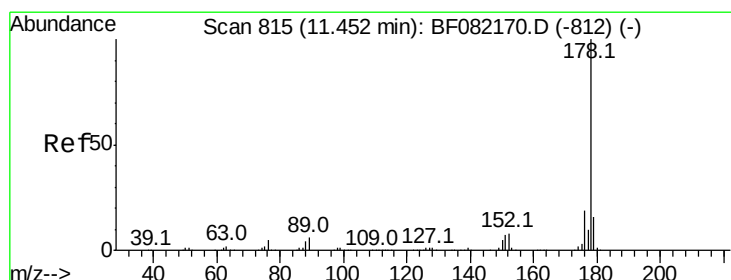
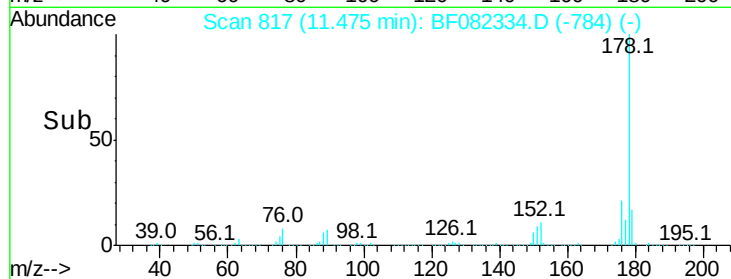
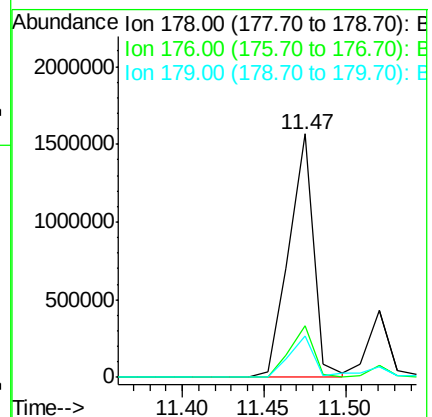
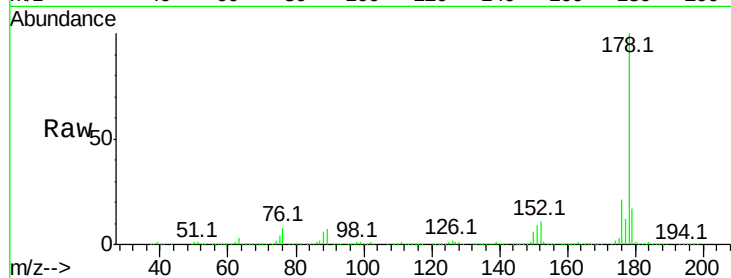
178 100

176 21.4 16.0 24.0

179 16.8 12.6 19.0

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#71

Anthracene

Concen: 29.71 ng

RT: 11.52 min Scan# 821

Delta R.T. 0.07 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

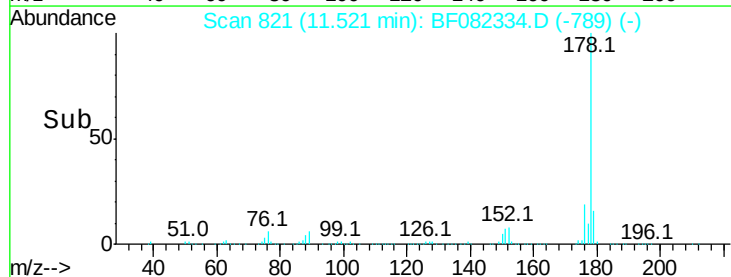
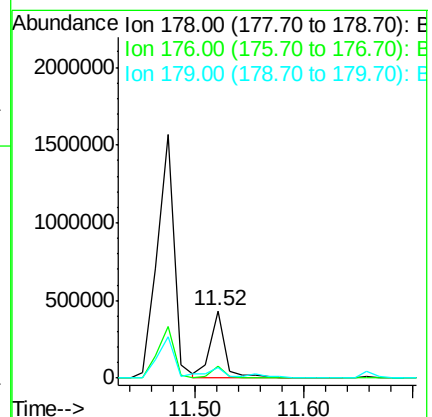
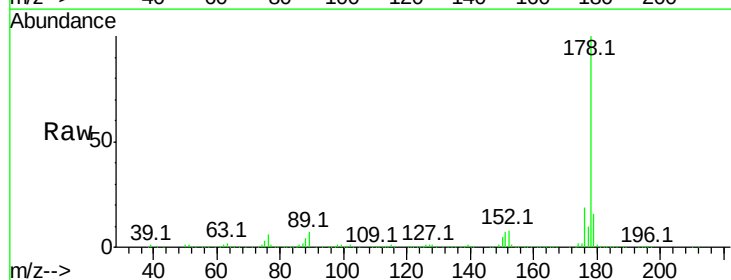
Tgt Ion:178 Resp: 412767

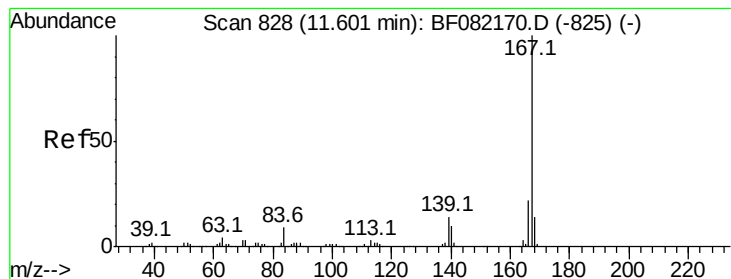
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 16.0 12.5 18.7





#72

Carbazole

Concen: 15.82 ng

RT: 11.68 min Scan# 835

Delta R.T. 0.07 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

Instrument :

BNA\_F

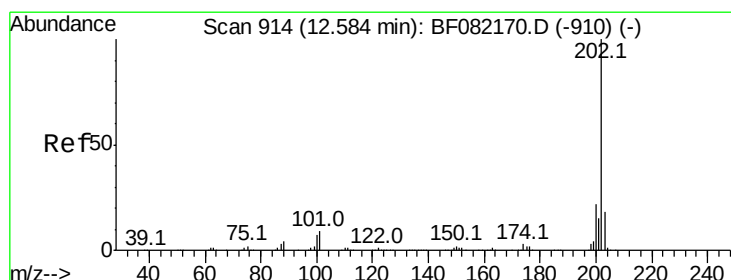
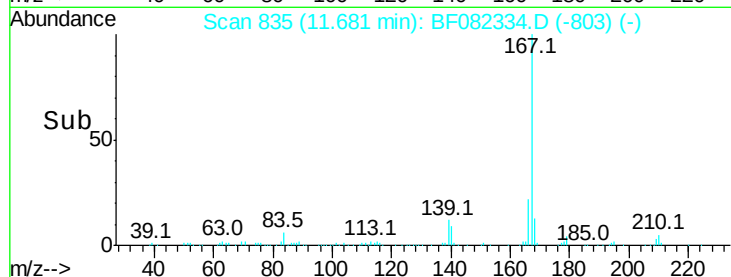
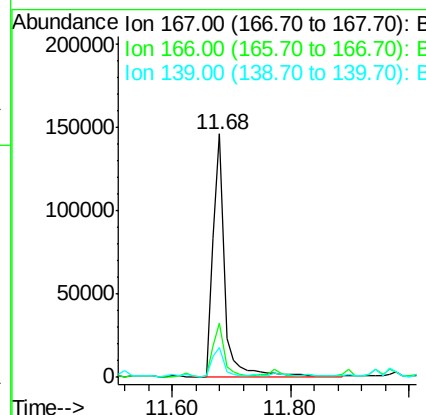
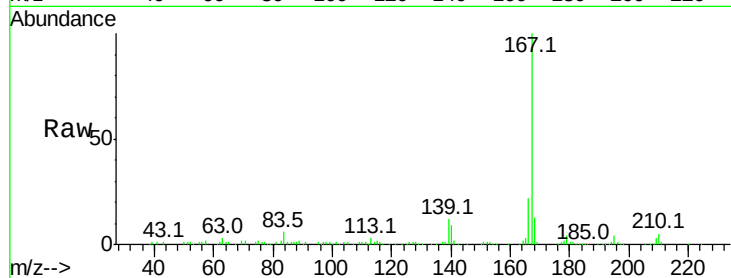
ClientSampleId :

TK1-DUP-20151015

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 200477 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.0  | 17.3  | 25.9   |
| 139       | 12.1  | 11.2  | 16.8   |

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#74

Fluoranthene

Concen: 150.69 ng

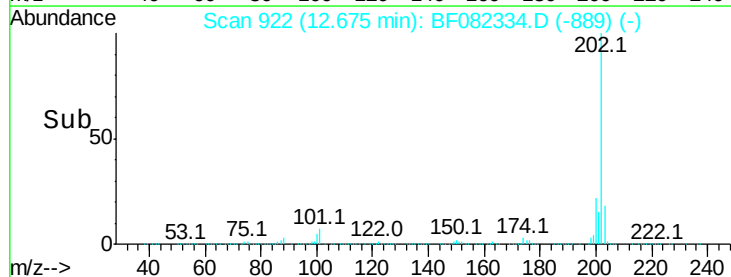
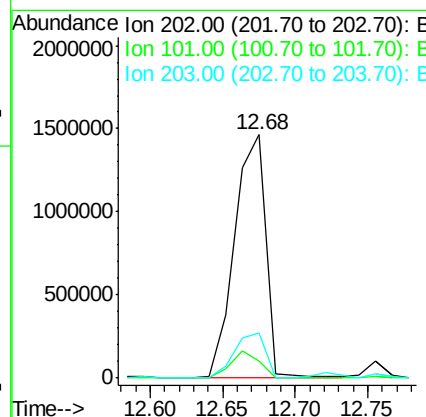
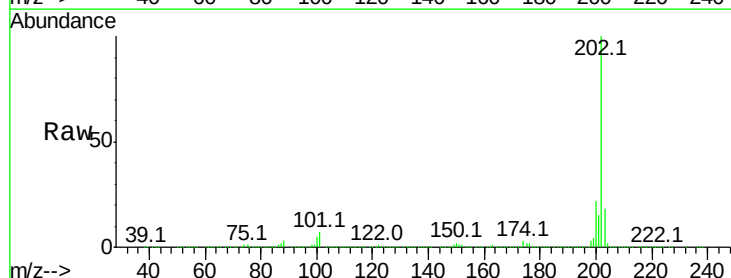
RT: 12.68 min Scan# 922

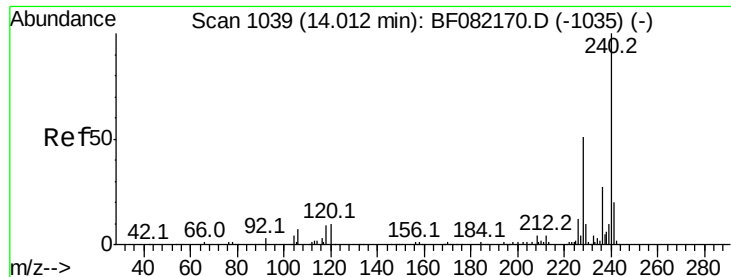
Delta R.T. 0.08 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 2181947 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 6.9   | 0.0   | 29.3    |
| 203       | 18.3  | 0.0   | 37.8    |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1053

Delta R.T. 0.10 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

Instrument :

BNA\_F

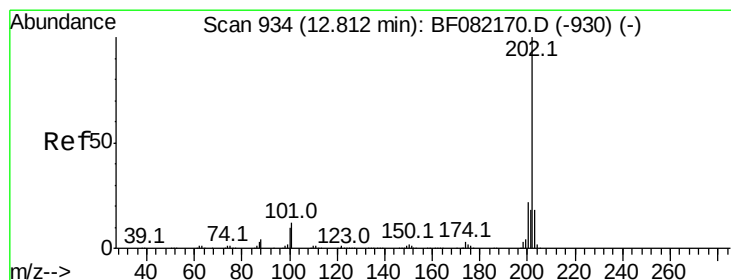
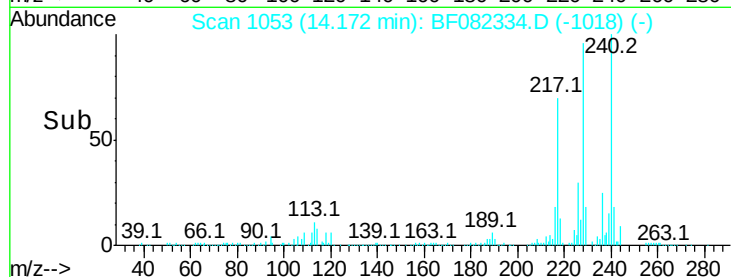
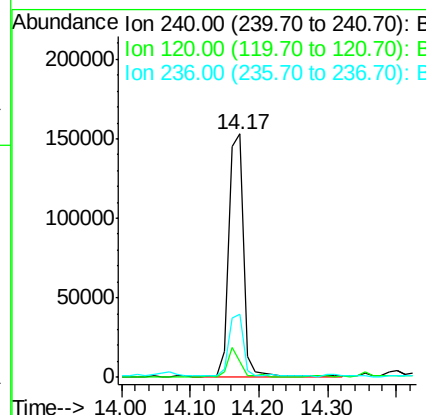
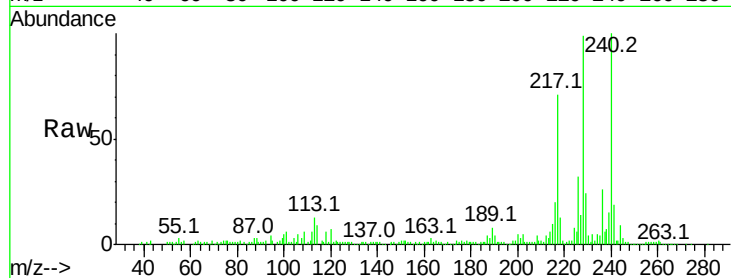
ClientSampleId :

TK1-DUP-20151015

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.6   | 8.1   | 12.1# |
| 236     | 25.7  | 21.3  | 31.9  |

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#77

Pyrene

Concen: 130.20 ng

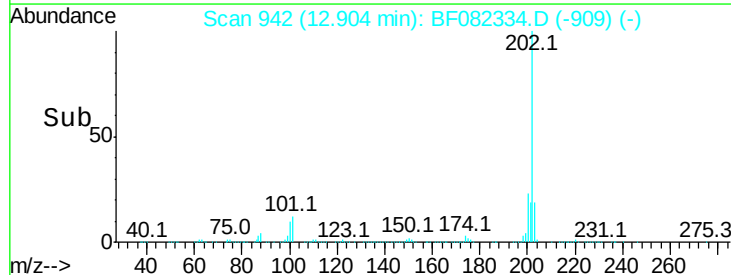
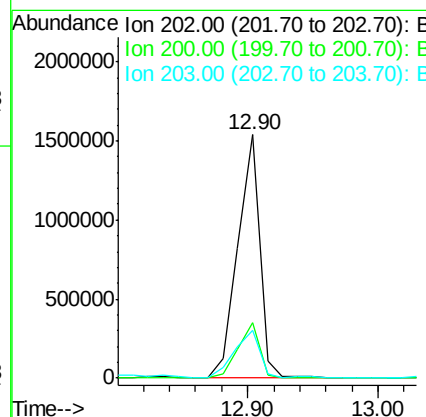
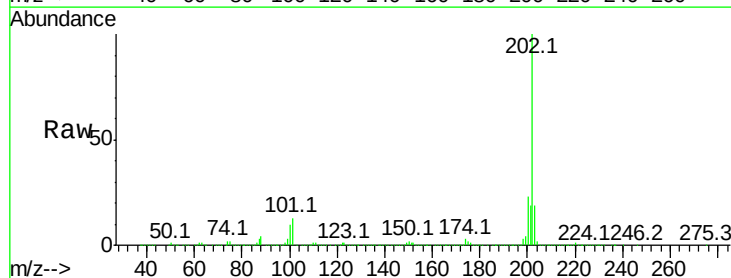
RT: 12.90 min Scan# 942

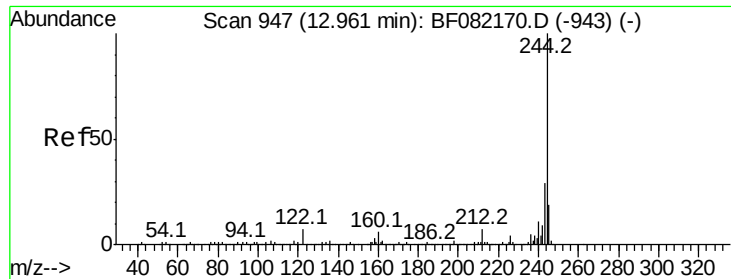
Delta R.T. 0.08 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.0  | 17.9  | 26.9  |
| 203     | 19.4  | 14.5  | 21.7  |





#78

Terphenyl-d14

Concen: 82.61 ng

RT: 13.04 min Scan# 954

Delta R.T. 0.08 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

Instrument :

BNA\_F

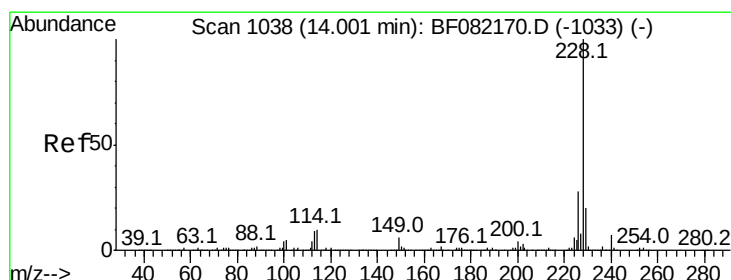
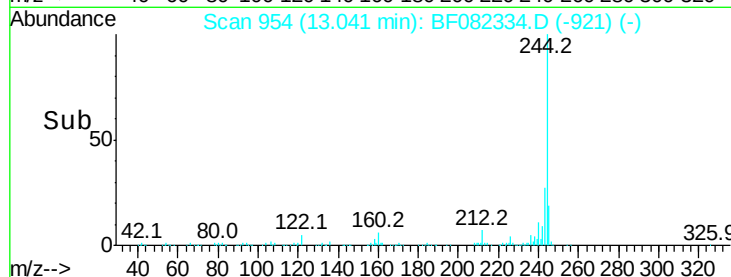
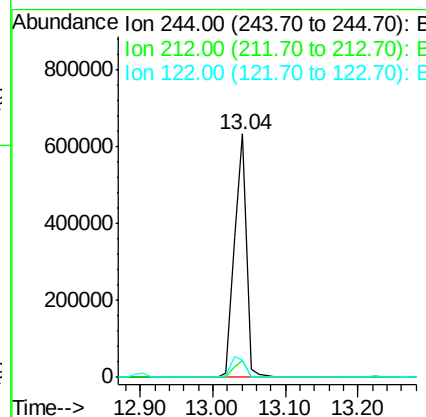
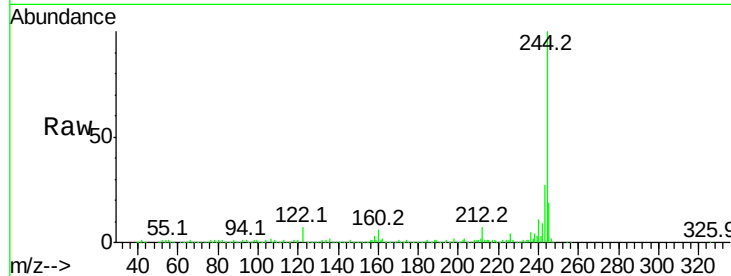
ClientSampleId :

TK1-DUP-20151015

|           |     |       |        |
|-----------|-----|-------|--------|
| Tot Ion:  | 244 | Resp: | 722062 |
| Ion Ratio |     | Lower | Upper  |
| 244       | 100 |       |        |
| 212       | 7.0 | 5.8   | 8.6    |
| 122       | 6.9 | 5.9   | 8.9    |

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#80

Benzo(a)anthracene

Concen: 82.54 ng

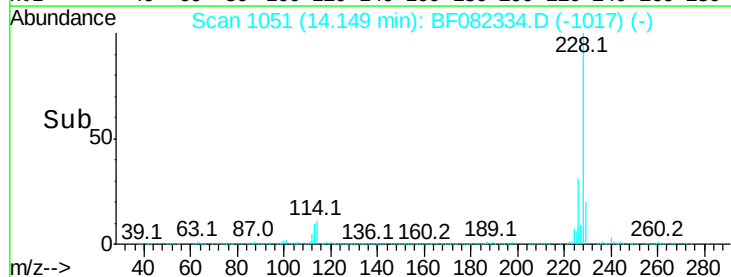
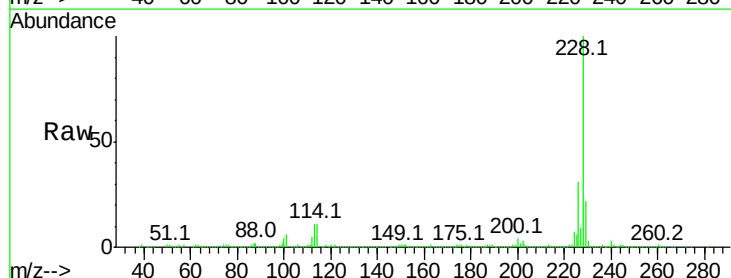
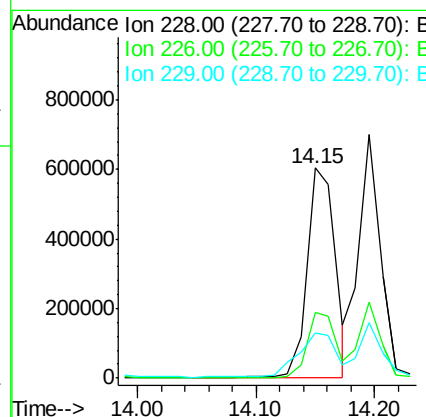
RT: 14.15 min Scan# 1051

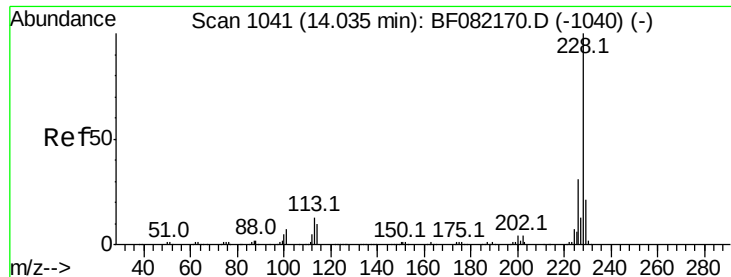
Delta R.T. 0.09 min

Lab File: BF082334.D

Acq: 16 Oct 2015 19:15

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 228  | Resp: | 994813 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 31.3 | 22.3  | 33.5   |
| 229       | 21.8 | 16.2  | 24.2   |





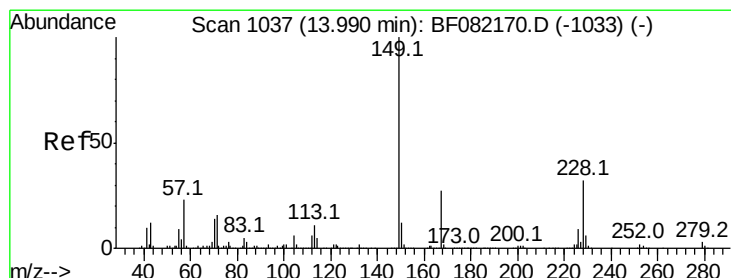
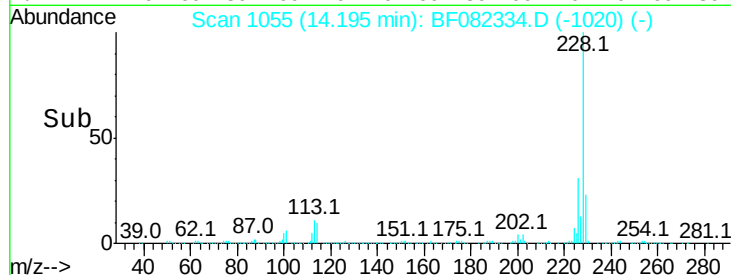
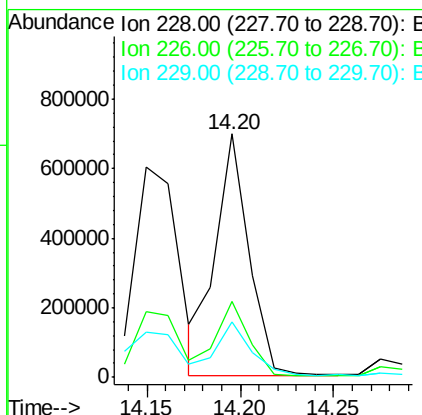
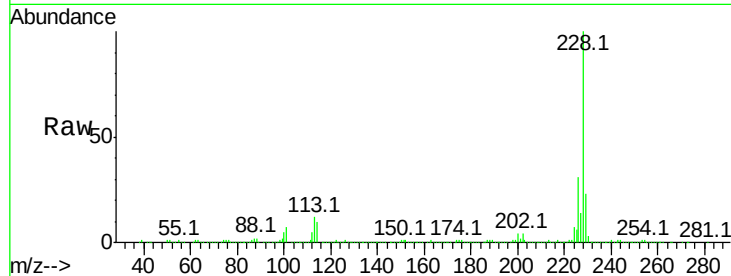
#82  
 Chrysene  
 Concen: 69.25 ng  
 RT: 14.20 min Scan# 1055  
 Delta R.T. 0.10 min  
 Lab File: BF082334.D  
 Acq: 16 Oct 2015 19:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK1-DUP-20151015

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 879370 |       |       |
| 226     | 31.1  |        | 24.4  | 36.6  |
| 229     | 22.9  |        | 16.3  | 24.5  |

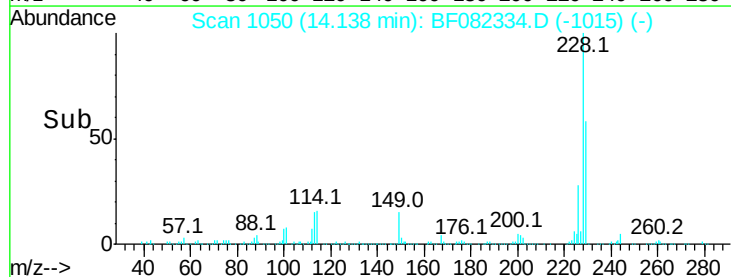
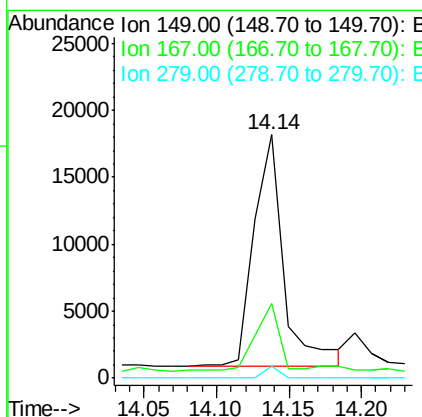
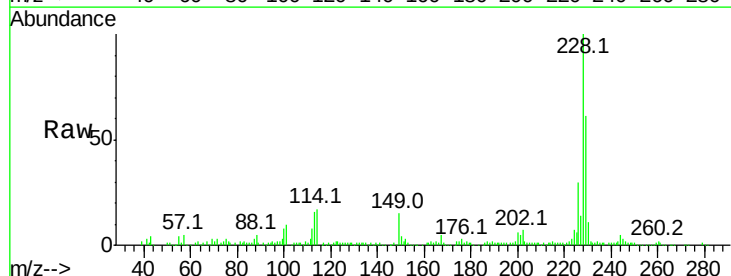
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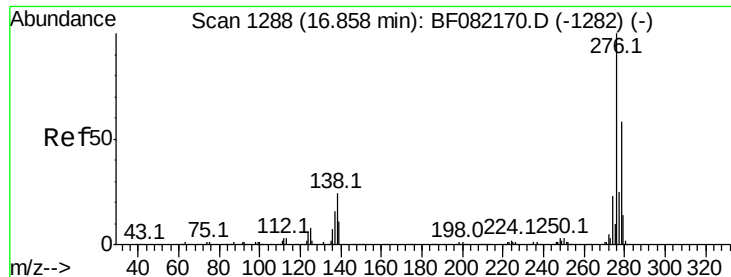
MMdadoda  
 10/19/2015 5:32:22 PM



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.78 ng  
 RT: 14.14 min Scan# 1050  
 Delta R.T. 0.10 min  
 Lab File: BF082334.D  
 Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 24844 |       |       |
| 167     | 30.8  |       | 21.3  | 31.9  |
| 279     | 4.7   |       | 2.6   | 4.0#  |





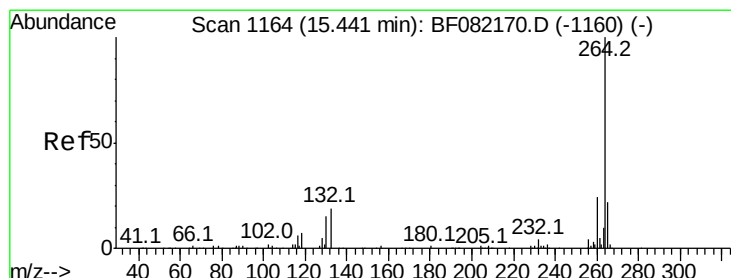
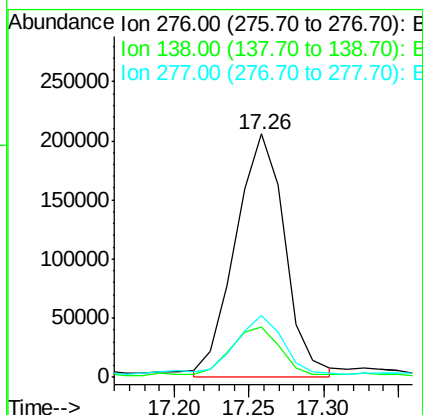
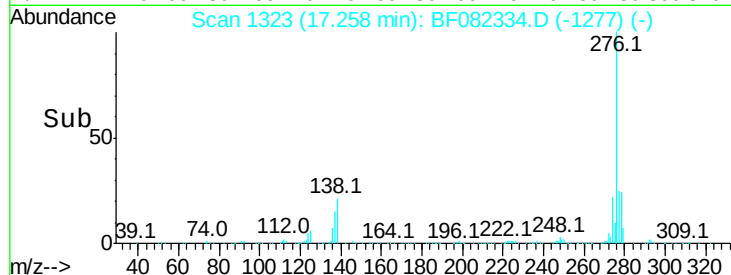
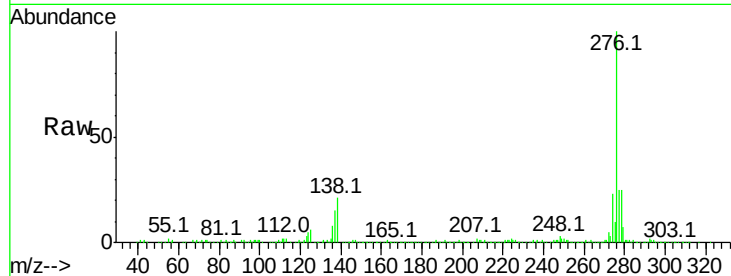
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 47.19 ng/mL  
RT: 17.26 min Scan# 1323  
Delta R.T. 0.23 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 476272 |       |       |
| 138     | 4.1   | 19.7   | 29.5  | #     |
| 277     | 4.3   | 20.1   | 30.1  | #     |

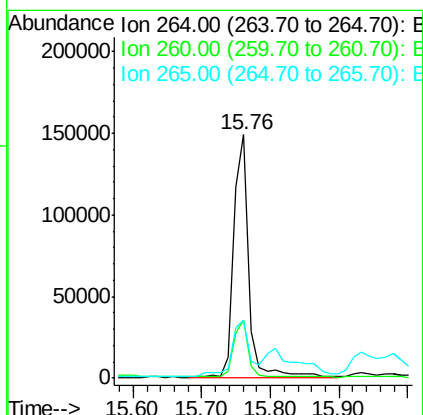
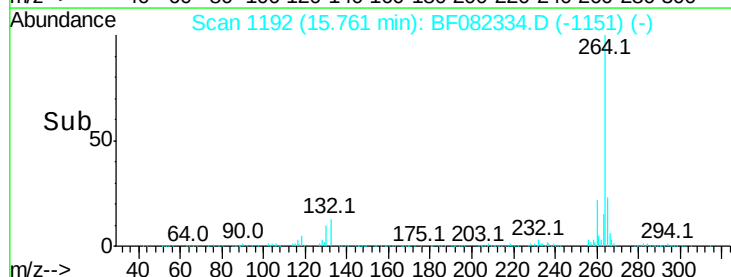
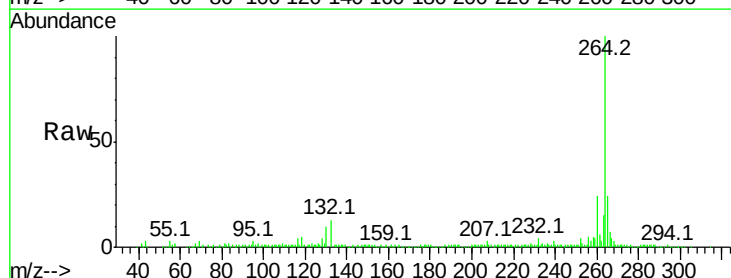
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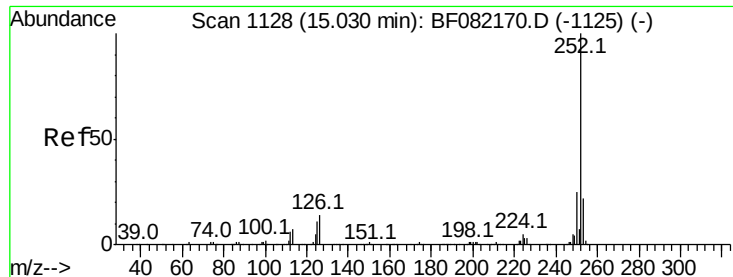


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.76 min Scan# 1192  
Delta R.T. 0.17 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 230034 |       |       |
| 260     | 23.6  | 19.0   | 28.6  |       |
| 265     | 24.0  | 17.3   | 25.9  |       |







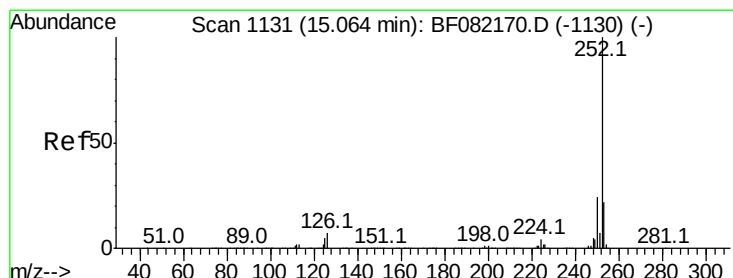
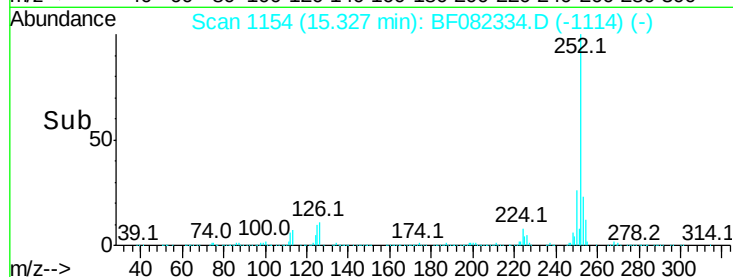
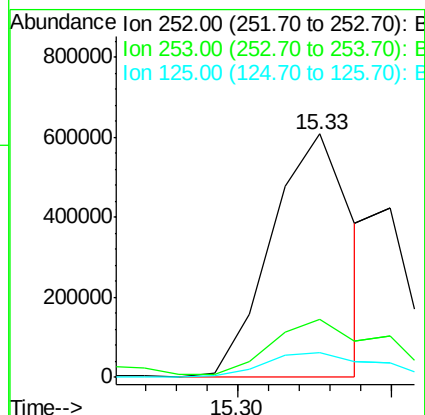
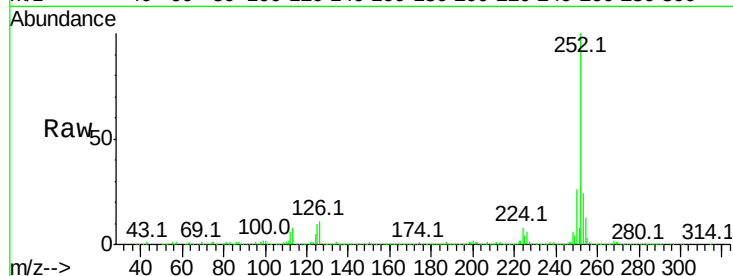
#87  
Benzo(b)fluoranthene  
Concen: 80.32 ng m  
RT: 15.33 min Scan# 1154  
Delta R.T. 0.16 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 18.0  | 27.0  |
| 125     | 10.3  | 8.6   | 12.8  |

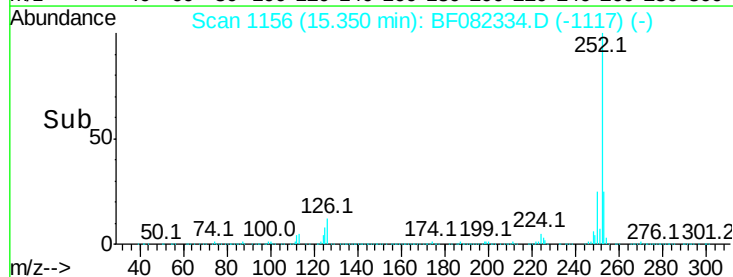
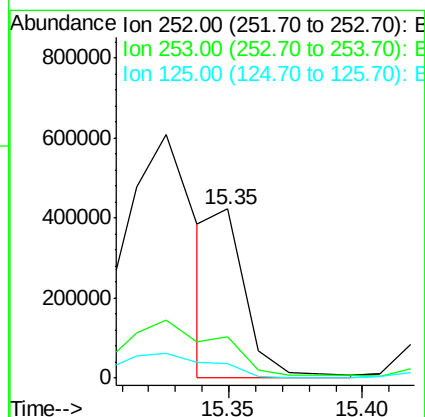
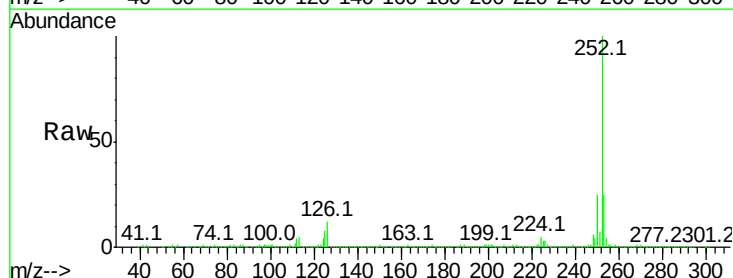
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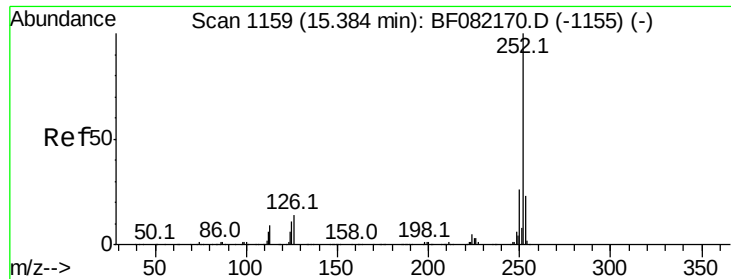
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#88  
Benzo(k)fluoranthene  
Concen: 30.58 ng m  
RT: 15.35 min Scan# 1156  
Delta R.T. 0.15 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 17.8  | 26.6  |
| 125     | 8.3   | 6.7   | 10.1  |





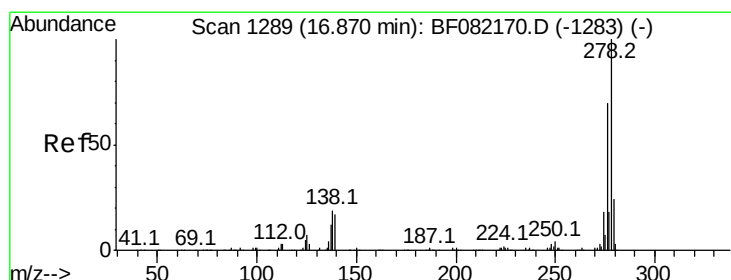
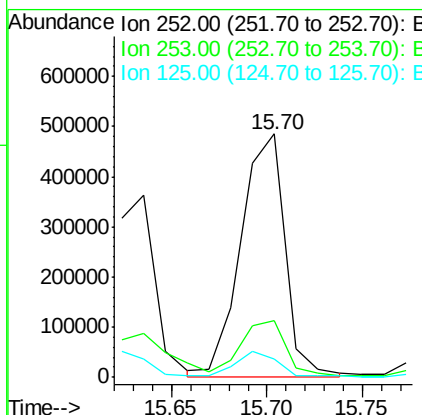
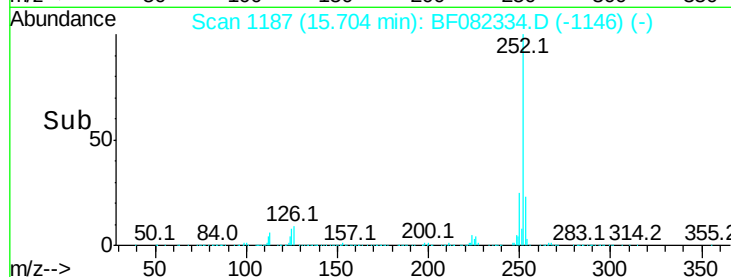
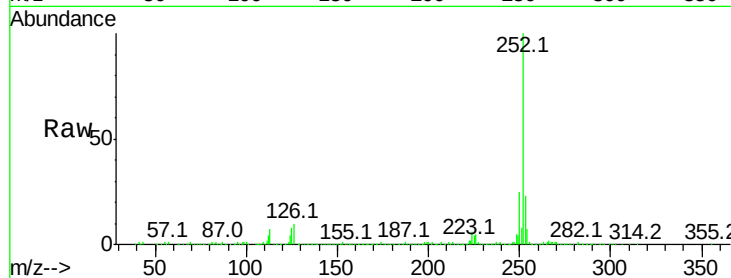
#89  
Benzo(a)pyrene  
Concen: 64.77 ng m  
RT: 15.70 min Scan# 1187  
Delta R.T. 0.17 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

Instrument :  
BNA\_F  
ClientSampleId :  
TK1-DUP-20151015

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 18.2  | 27.2  |
| 125     | 7.8   | 8.9   | 13.3# |

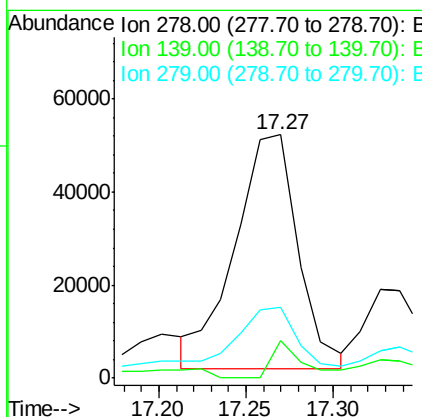
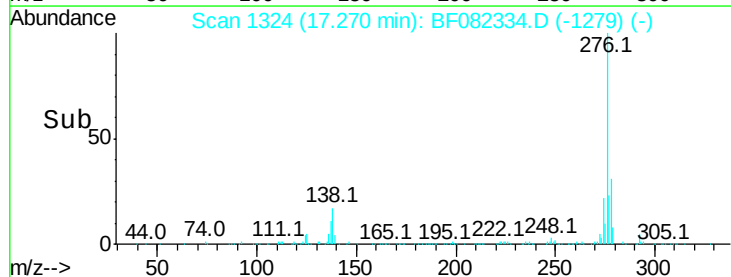
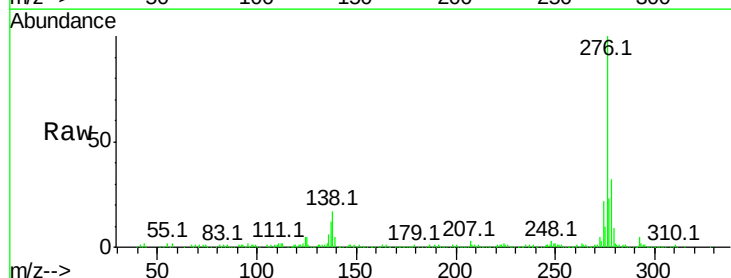
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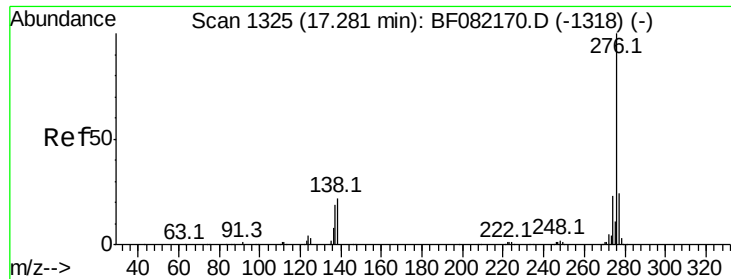
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#90  
Dibenzo(a,h)anthracene  
Concen: 12.80 ng m  
RT: 17.27 min Scan# 1324  
Delta R.T. 0.22 min  
Lab File: BF082334.D  
Acq: 16 Oct 2015 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.2  | 13.3  | 19.9  |
| 279     | 29.1  | 18.9  | 28.3# |





#91  
 Benzo(a,h,i)perylene  
 Concen: 47.29 ng  
 RT: 17.72 min Scan# 1363  
 Delta R.T. 0.25 min  
 Lab File: BF082334.D  
 Acq: 16 Oct 2015 19:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK1-DUP-20151015

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 452772 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.9  | 18.8  | 28.2   |
| 138       | 20.7  | 17.4  | 26.2   |

Manual Integrations  
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