

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\  
 Data File : BF083455.D  
 Acq On : 3 Dec 2015 10:57  
 Operator : UM/IZ  
 Sample : G4584-01  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-10(0-6)

Manual Integrations  
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Mmdadoda  
 12/3/2015 7:10:16 PM

Quant Time: Dec 03 12:51:05 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 | 6.53  | 152  | 134567   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.84  | 136  | 502818   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.57  | 164  | 232051   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.13 | 188  | 354763   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.76 | 240  | 277109   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.83 | 264  | 265115   | 20.00 | ng    | 0.01     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.13  | 112 | 1180197 | 131.60 | ng | 0.00  |
| 7) Phenol-d6                | 6.21  | 99  | 1680532 | 136.91 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.12  | 82  | 1075716 | 94.04  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.37 | 330 | 255065  | 109.50 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 8.91  | 172 | 1414670 | 86.88  | ng | -0.01 |
| 78) Terphenyl-d14           | 13.21 | 244 | 1081844 | 93.10  | ng | -0.01 |

|                            |       |     |          |        |    |        |
|----------------------------|-------|-----|----------|--------|----|--------|
| Target Compounds           |       |     |          |        |    | Qvalue |
| 31) Naphthalene            | 7.86  | 128 | 4401585  | 161.34 | ng | 95     |
| 37) 2-Methylnaphthalene    | 8.54  | 142 | 1397980m | 76.67  | ng |        |
| 45) 1,1'-Biphenyl          | 9.01  | 154 | 736121   | 36.17  | ng | 98     |
| 48) Acenaphthylene         | 9.45  | 152 | 3451607  | 139.55 | ng | 95     |
| 49) Dimethylphthalate      | 9.31  | 163 | 69868    | 3.70   | ng | # 98   |
| 51) Acenaphthene           | 9.61  | 154 | 659095   | 45.30  | ng | 100    |
| 54) Dibenzofuran           | 9.78  | 168 | 299397   | 14.04  | ng | # 95   |
| 57) Fluorene               | 10.13 | 166 | 2054442  | 122.03 | ng | 97     |
| 70) Phenanthrene           | 11.18 | 178 | 9311829m | 443.53 | ng |        |
| 71) Anthracene             | 11.23 | 178 | 3193909m | 151.11 | ng |        |
| 72) Carbazole              | 11.40 | 167 | 61519    | 3.24   | ng | # 89   |
| 74) Fluoranthene           | 12.69 | 202 | 7231034  | 332.27 | ng | 96     |
| 77) Pyrene                 | 13.01 | 202 | 9098168m | 470.13 | ng |        |
| 80) Benzo(a)anthracene     | 14.75 | 228 | 4114176m | 242.34 | ng |        |
| 82) Chrysene               | 14.82 | 228 | 3674945  | 224.04 | ng | 96     |
| 85) Indeno(1,2,3-cd)pyrene | 18.23 | 276 | 2065529  | 172.90 | ng | 94     |
| 87) Benzo(b)fluoranthene   | 16.33 | 252 | 4162239m | 244.68 | ng |        |
| 88) Benzo(k)fluoranthene   | 16.36 | 252 | 907298m  | 56.48  | ng |        |
| 89) Benzo(a)pyrene         | 16.77 | 252 | 4141981  | 283.48 | ng | # 95   |
| 90) Dibenzo(a,h)anthracene | 18.23 | 278 | 457401   | 35.93  | ng | 98     |
| 91) Benzo(g,h,i)perylene   | 18.61 | 276 | 2349270  | 188.01 | ng | 95     |

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

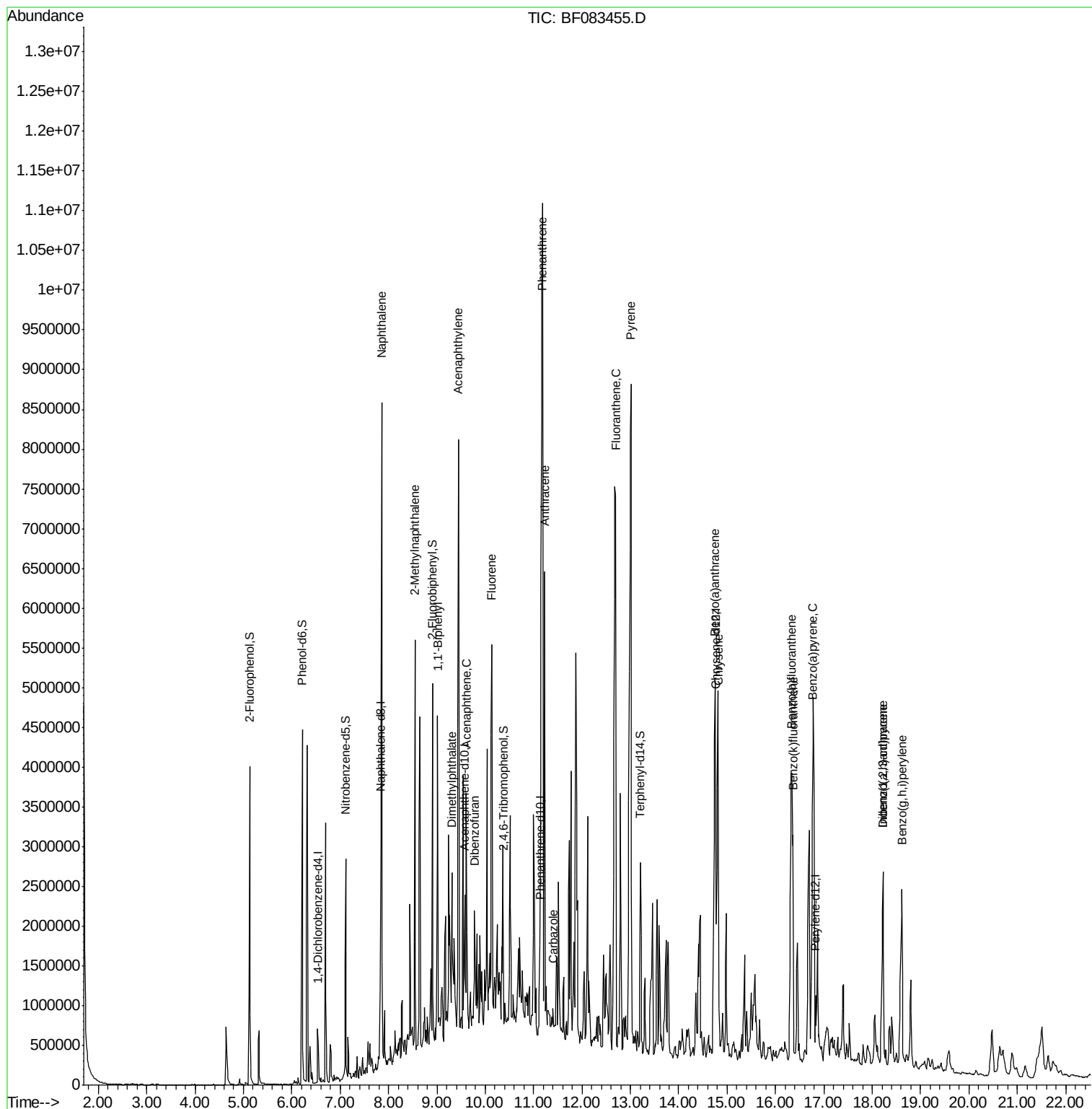
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\  
Data File : BF083455.D  
Acq On : 3 Dec 2015 10:57  
Operator : UM/IZ  
Sample : G4584-01  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

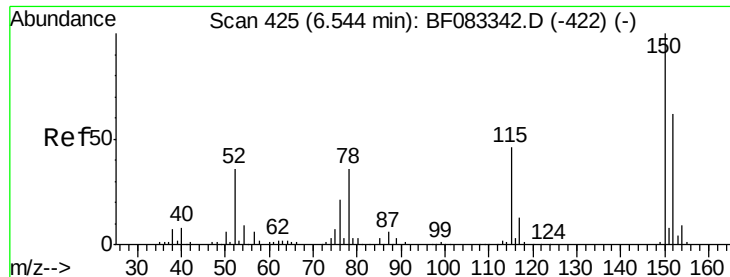
Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-10(0-6)

Manual Integrations  
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Quant Time: Dec 03 12:51:05 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

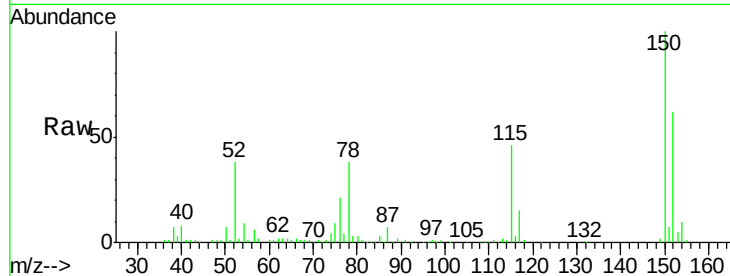
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.53 min Scan# 424  
Delta R.T. -0.01 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-10(0-6)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.3 | 129.8 | 194.8 |
| 115     | 74.5  | 59.2  | 88.8  |

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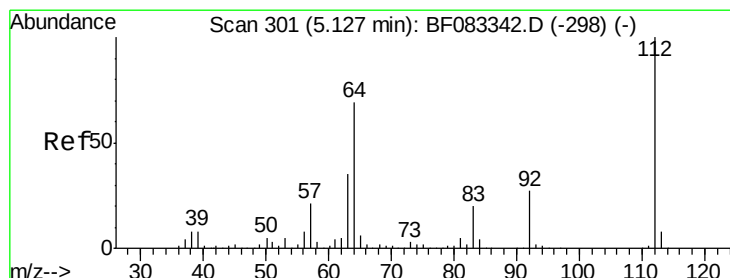
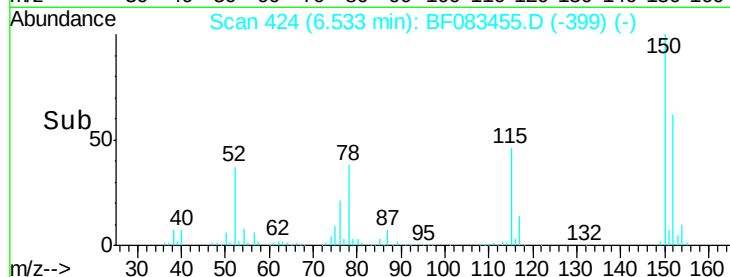
Abundance

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

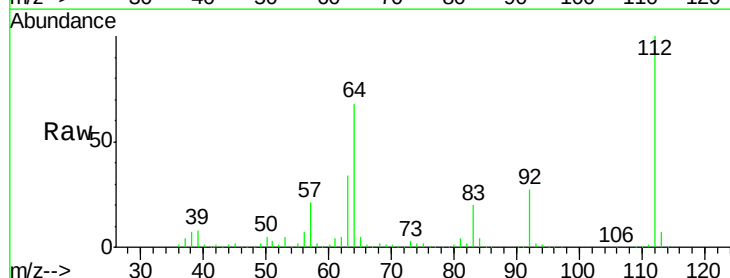
Time-->



#5

2-Fluorophenol  
Concen: 131.60 ng  
RT: 5.13 min Scan# 301  
Delta R.T. -0.00 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.0  | 55.6  | 83.4  |
| 63      | 33.9  | 28.2  | 42.2  |



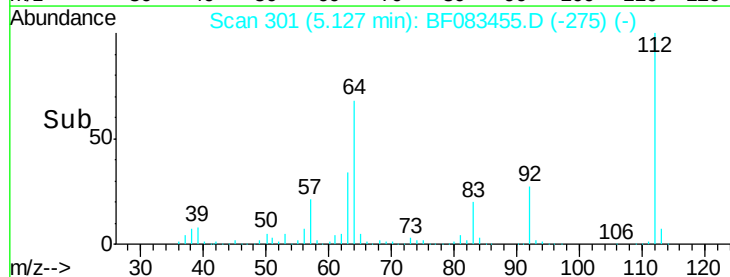
Abundance

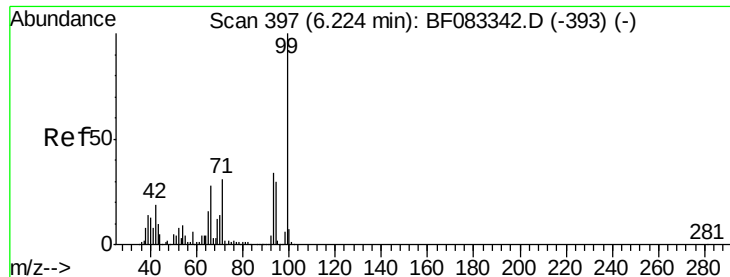
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 136.91 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-10(0-6)

Tot Ion: 99 Resp: 1680532

Ion Ratio Lower Upper

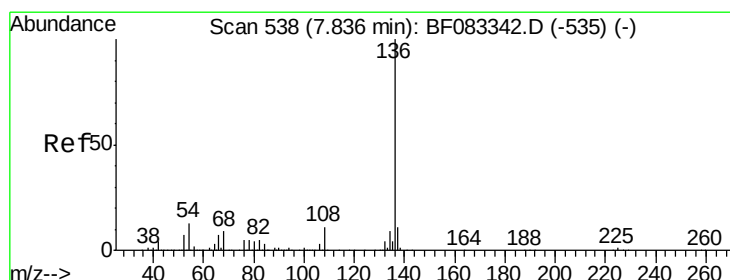
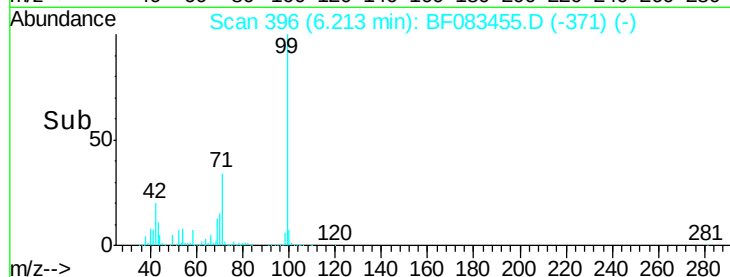
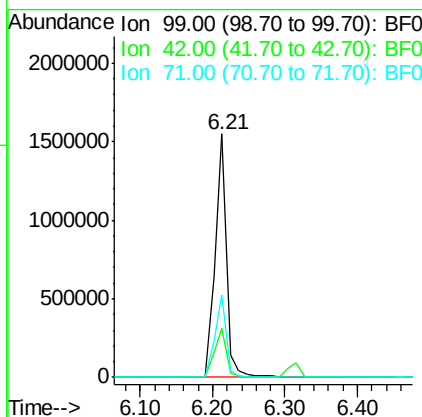
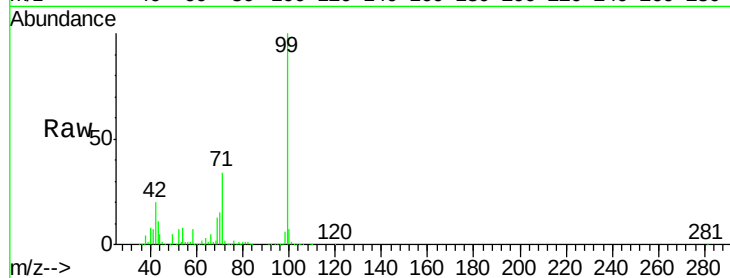
99 100

42 20.3 14.9 22.3

71 33.7 24.7 37.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. -0.00 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Tgt Ion: 136 Resp: 502818

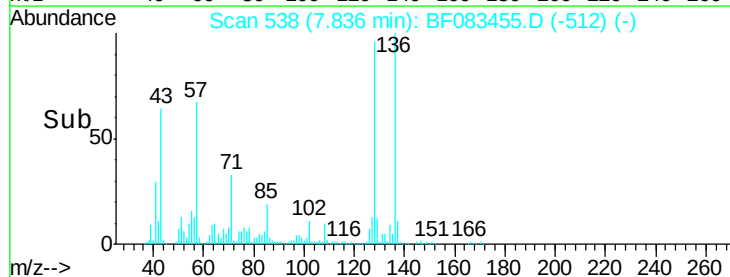
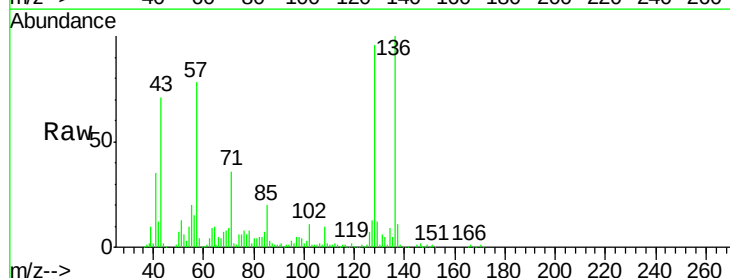
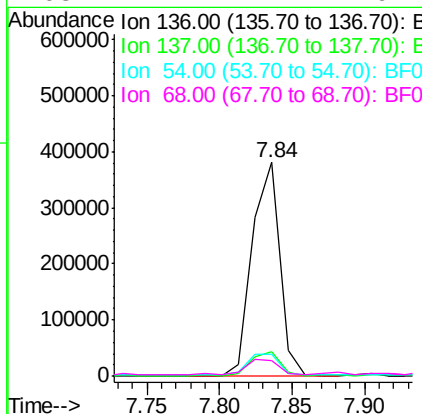
Ion Ratio Lower Upper

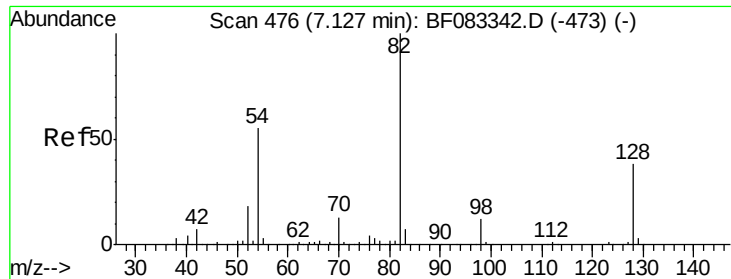
136 100

137 11.3 9.0 13.4

54 10.4 10.1 15.1

68 7.4 7.1 10.7





#23

Nitrobenzene-d5

Concen: 94.04 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-10(0-6)

Tot Ion: 82 Resp: 1075716

Ion Ratio Lower Upper

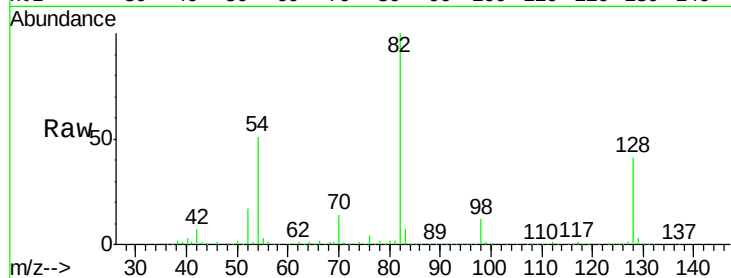
82 100

128 40.8 30.6 46.0

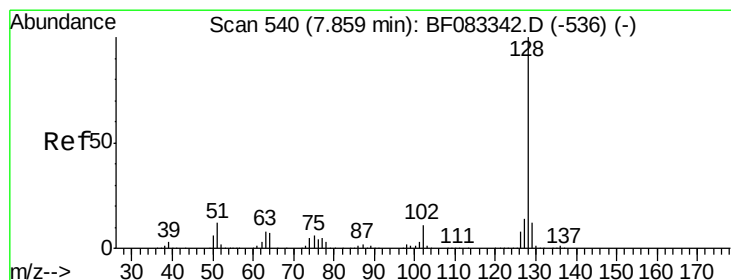
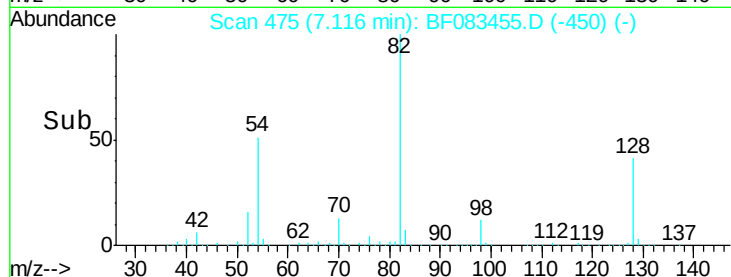
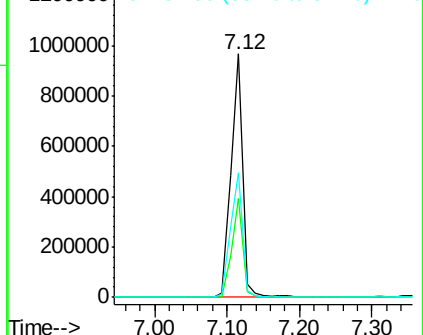
54 51.1 43.8 65.6

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Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 161.34 ng

RT: 7.86 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

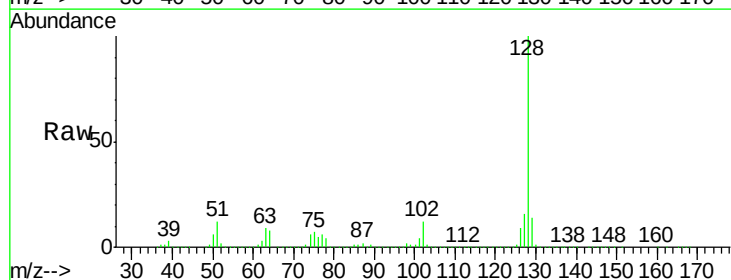
Tgt Ion: 128 Resp: 4401585

Ion Ratio Lower Upper

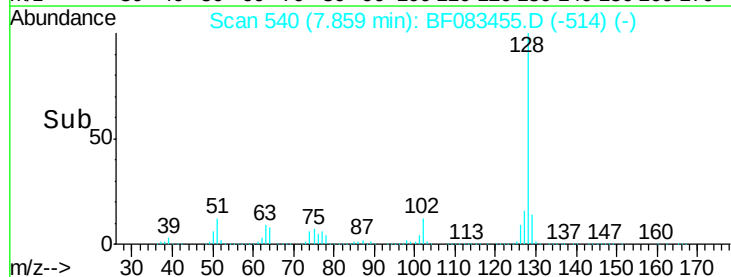
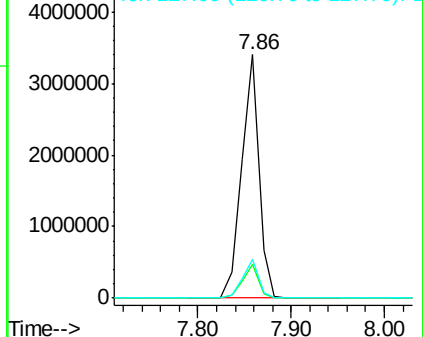
128 100

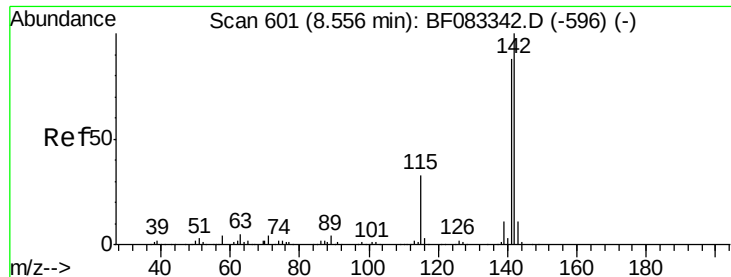
129 13.8 9.7 14.5

127 16.1 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 76.67 ng/mL

RT: 8.54 min Scan# 600

Delta R.T. -0.01 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-10(0-6)

Tot Ion:142 Resp: 1397980

Ion Ratio Lower Upper

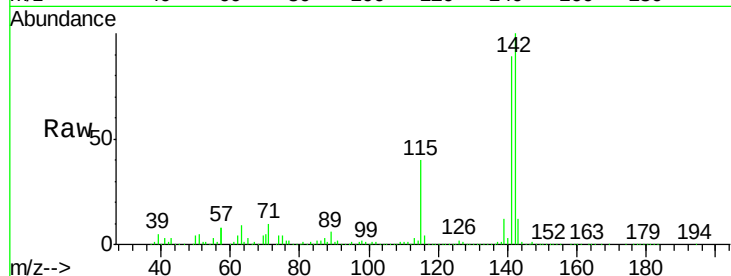
142 100

141 89.3 70.6 105.8

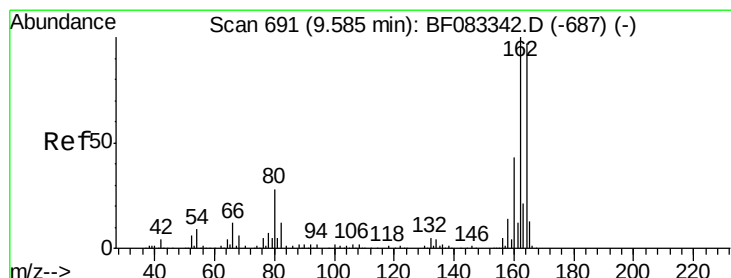
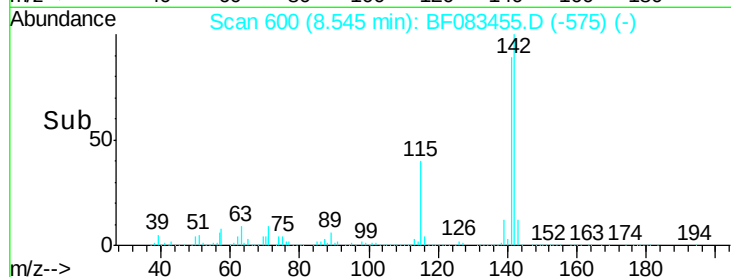
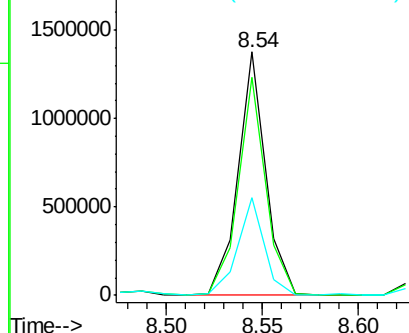
115 39.9 26.2 39.2#

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Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng/mL

RT: 9.57 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

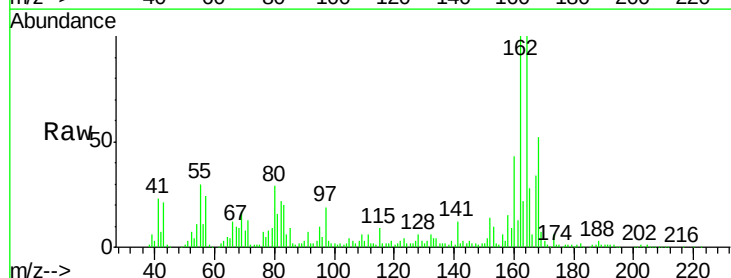
Tgt Ion:164 Resp: 232051

Ion Ratio Lower Upper

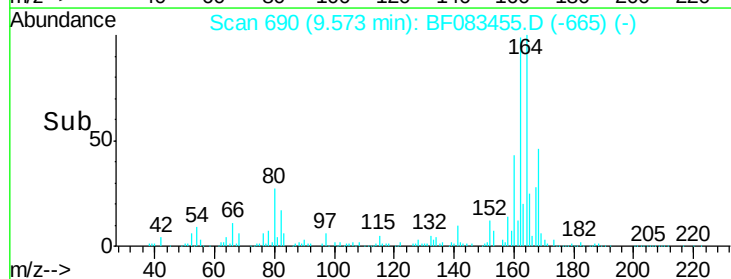
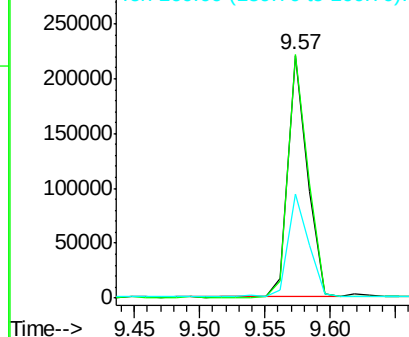
164 100

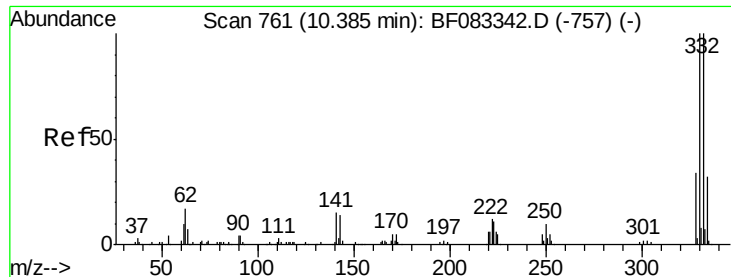
162 100.3 82.6 123.8

160 42.9 35.3 52.9



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





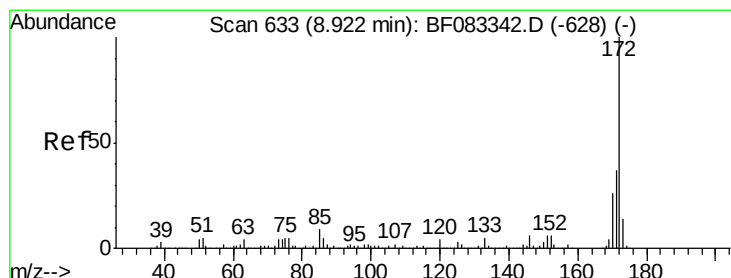
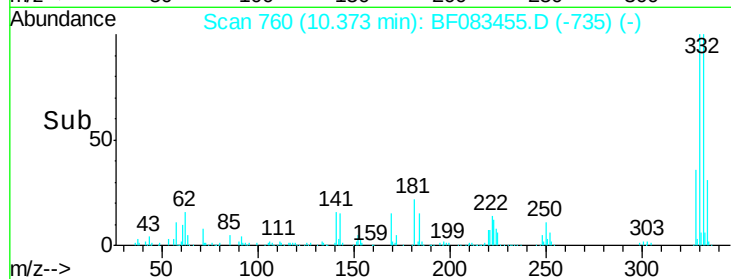
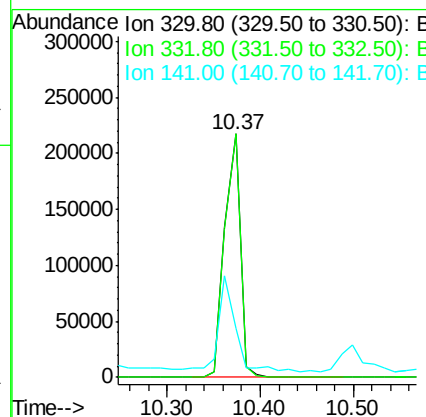
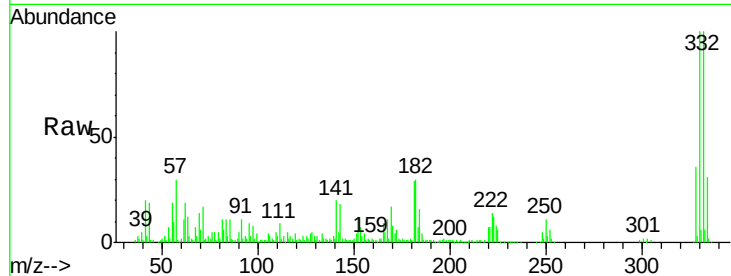
#41  
 2,4,6-Tribromophenol  
 Concen: 109.50 ng  
 RT: 10.37 min Scan# 760  
 Delta R.T. -0.01 min  
 Lab File: BF083455.D  
 Acq: 3 Dec 2015 10:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-10(0-6)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 99.1  | 77.8 | 116.6 |       |
| 141     | 40.8  | 29.4 | 44.0  |       |

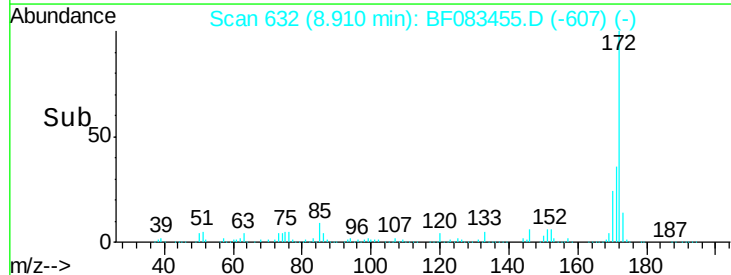
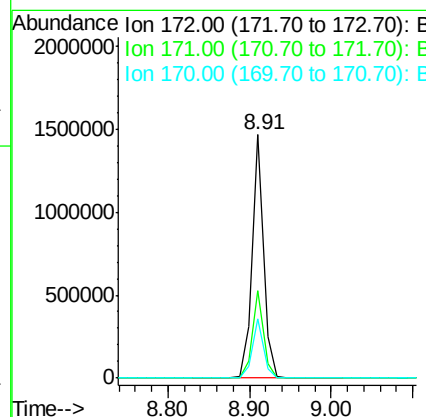
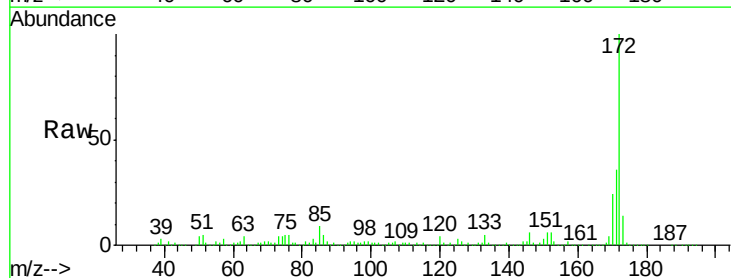
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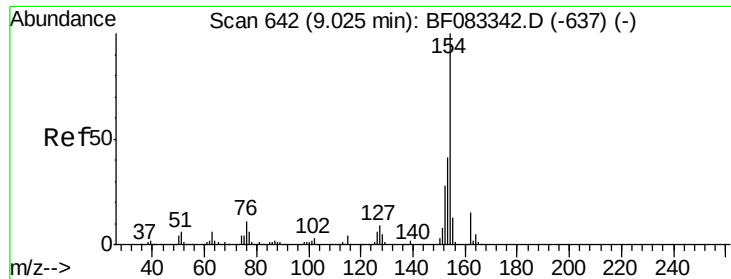
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 12/3/2015 7:10:16 PM



#44  
 2-Fluorobiphenyl  
 Concen: 86.88 ng  
 RT: 8.91 min Scan# 632  
 Delta R.T. -0.01 min  
 Lab File: BF083455.D  
 Acq: 3 Dec 2015 10:57

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 36.1  | 29.4 | 44.0  |       |
| 170     | 24.5  | 20.4 | 30.6  |       |





#45

1,1'-Biphenyl

Concen: 36.17 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF083455.D

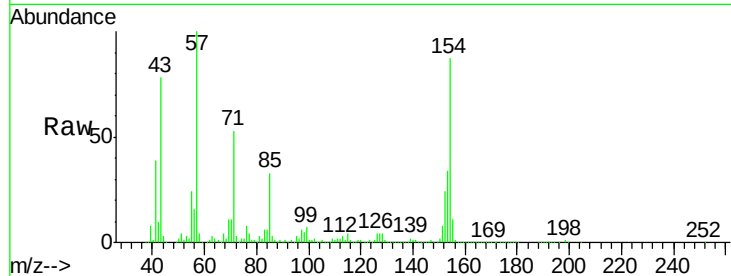
Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

ClientSampleId :

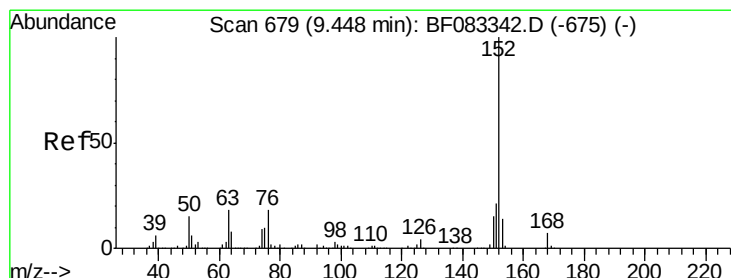
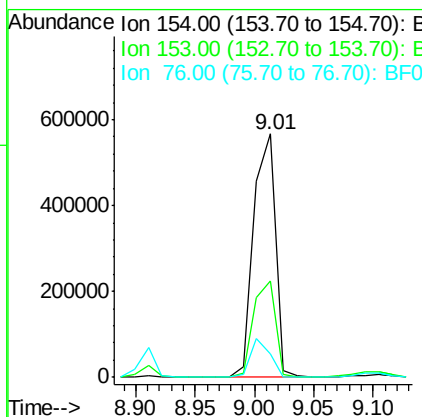
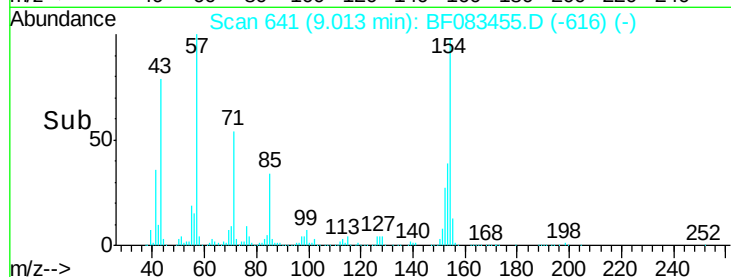
SB-P3WC-10(0-6)



|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 736121 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 39.5  | 20.6  | 60.6   |
| 76        | 9.7   | 0.0   | 30.5   |

Manual Integrations  
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#48

Acenaphthylene

Concen: 139.55 ng

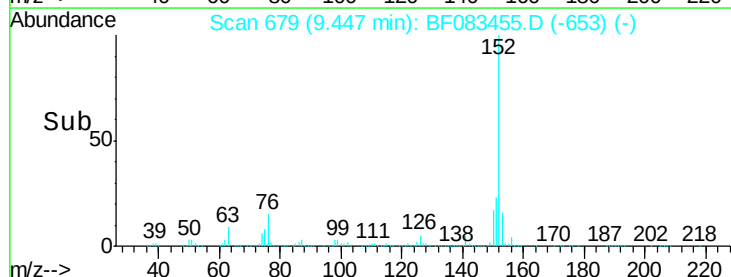
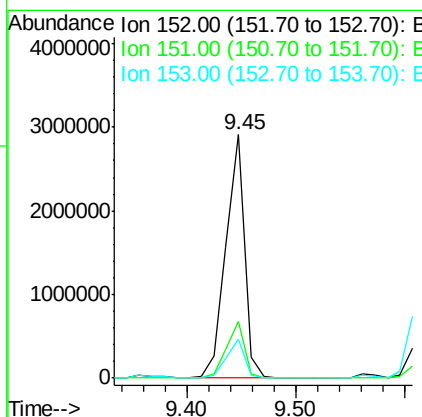
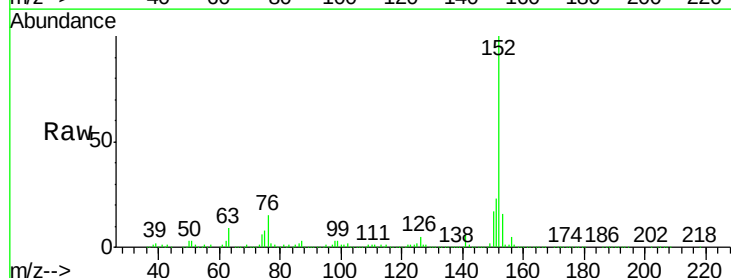
RT: 9.45 min Scan# 679

Delta R.T. -0.00 min

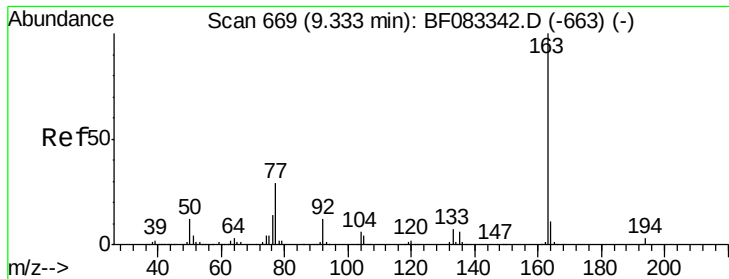
Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 152   | Resp: | 3451607 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 23.2  | 16.7  | 25.1    |
| 153       | 16.0  | 11.2  | 16.8    |







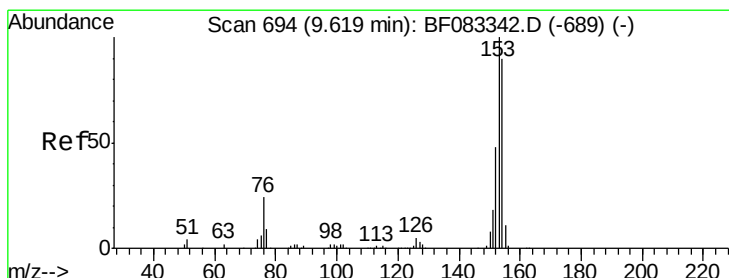
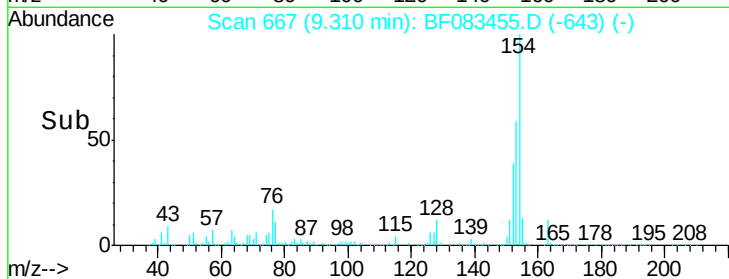
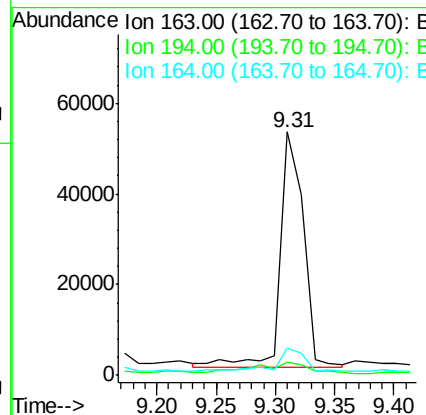
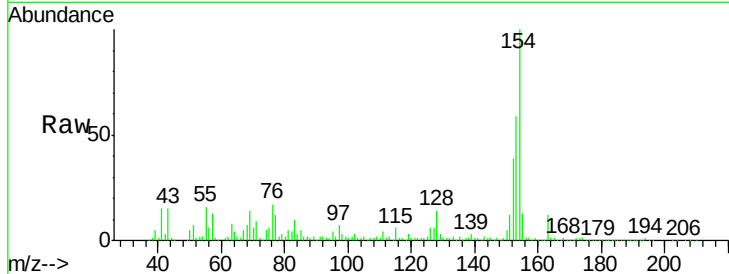
#49  
Dimethylphthalate  
Concen: 3.70 ng  
RT: 9.31 min Scan# 667  
Delta R.T. -0.02 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-10(0-6)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.6   | 2.7   | 4.1#  |
| 164     | 11.3  | 8.8   | 13.2  |

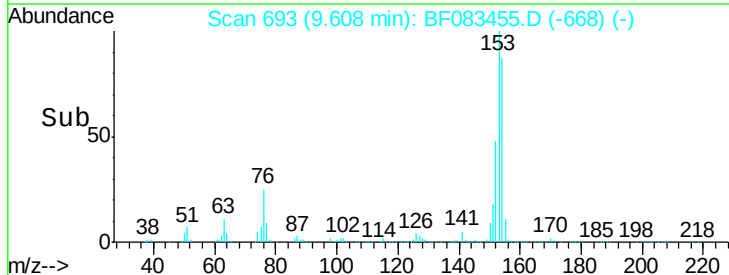
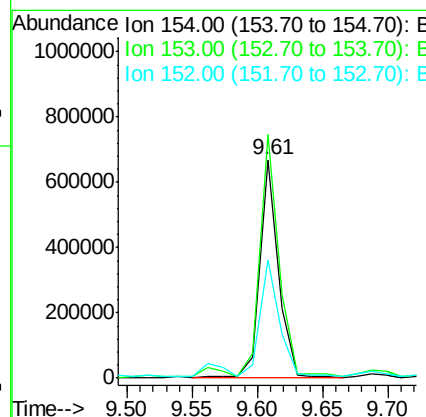
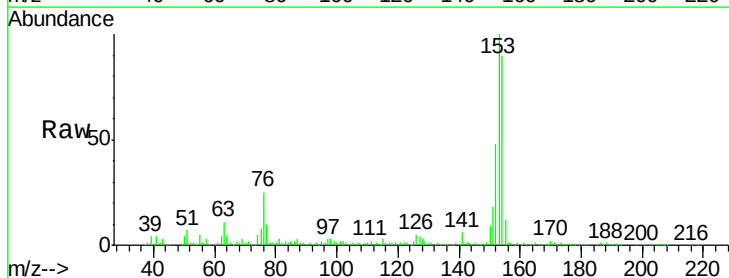
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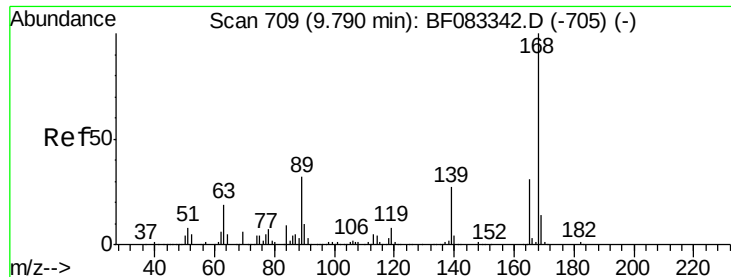
Mmdadoda  
12/3/2015 7:10:16 PM



#51  
Acenaphthene  
Concen: 45.30 ng  
RT: 9.61 min Scan# 693  
Delta R.T. -0.01 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.7 | 89.3  | 133.9 |
| 152     | 54.1  | 42.5  | 63.7  |





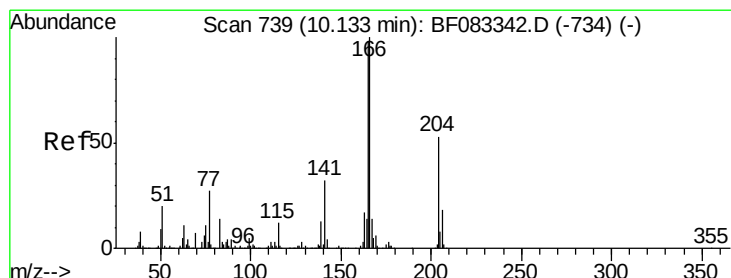
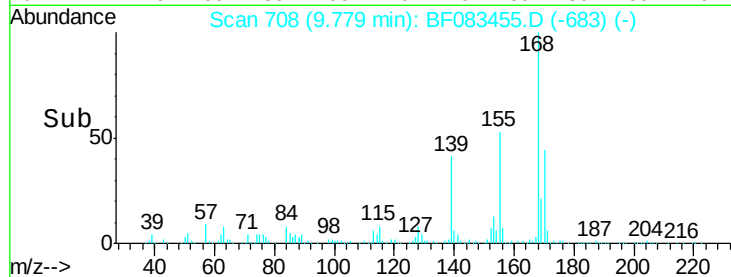
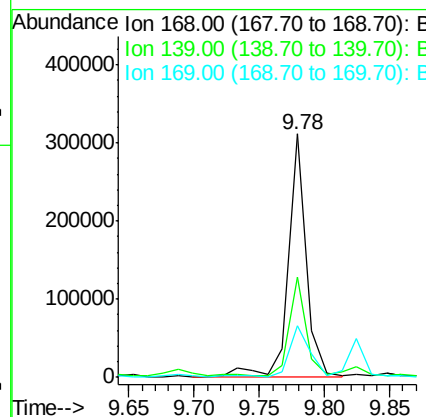
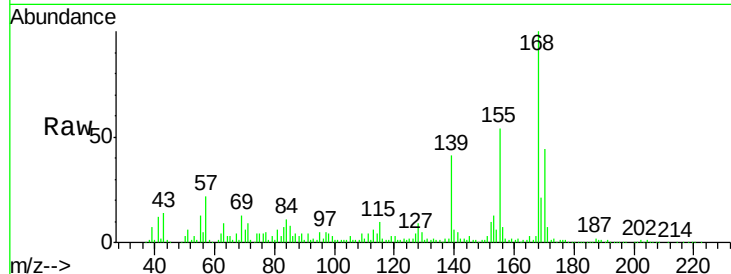
#54  
Dibenzofuran  
Concen: 14.04 ng  
RT: 9.78 min Scan# 708  
Delta R.T. -0.01 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-10(0-6)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 299397 |       |       |
| 139     | 41.2  | 32.7   | 49.1  |       |
| 169     | 21.4  | 11.1   | 16.7  |       |

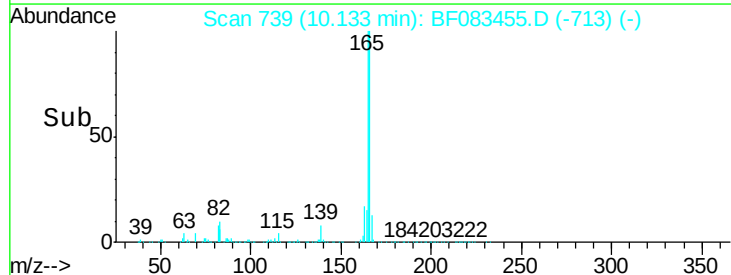
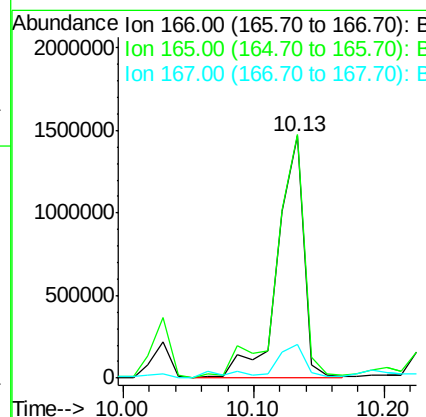
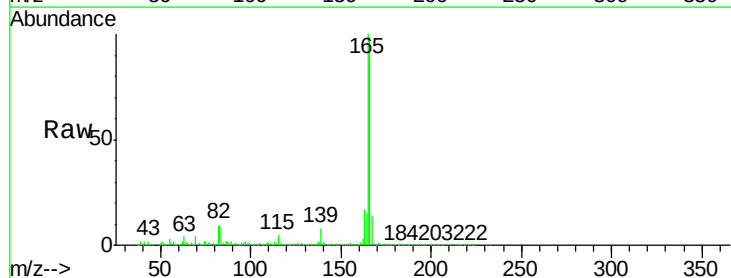
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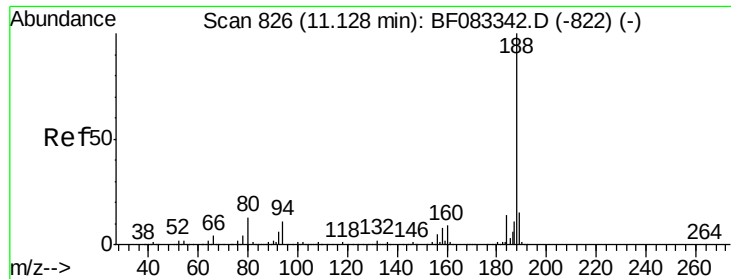
Mmdadoda  
12/3/2015 7:10:16 PM



#57  
Fluorene  
Concen: 122.03 ng  
RT: 10.13 min Scan# 739  
Delta R.T. -0.00 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 2054442 |       |       |
| 165     | 100.7 | 78.3    | 117.5 |       |
| 167     | 14.1  | 11.1    | 16.7  |       |





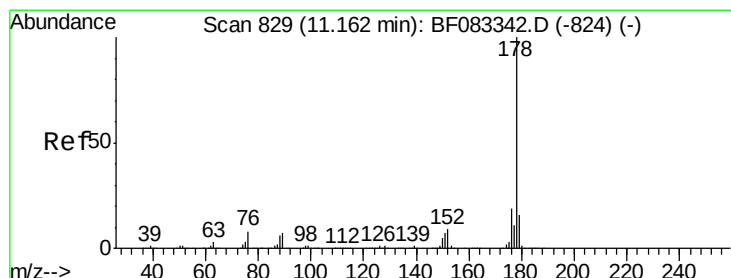
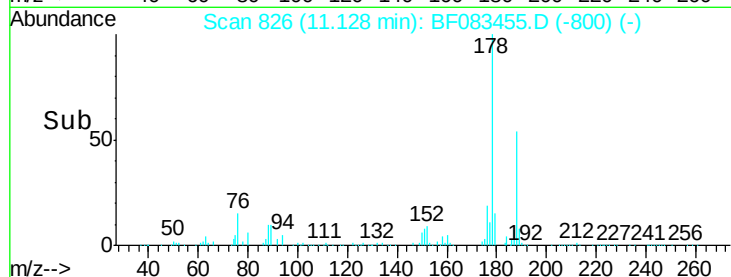
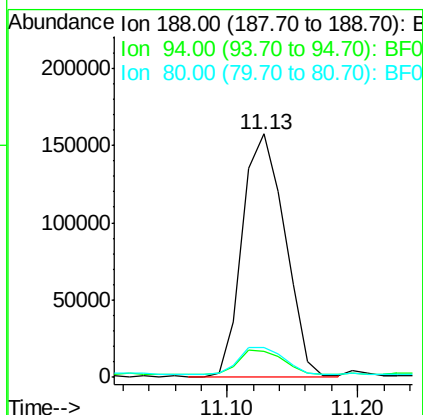
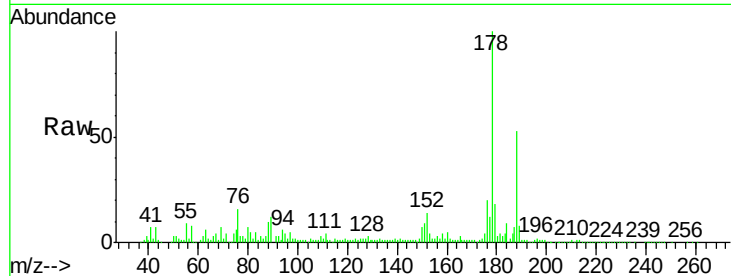
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.13 min Scan# 826  
Delta R.T. -0.00 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-10(0-6)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 354763 |       |       |
| 94      | 10.9  |        | 8.7   | 13.1  |
| 80      | 12.4  |        | 10.3  | 15.5  |

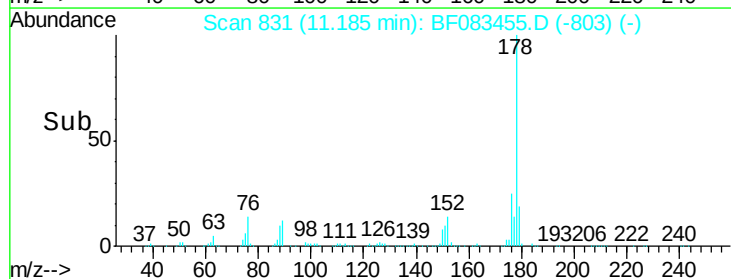
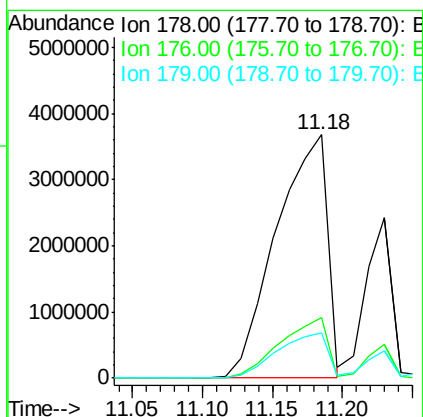
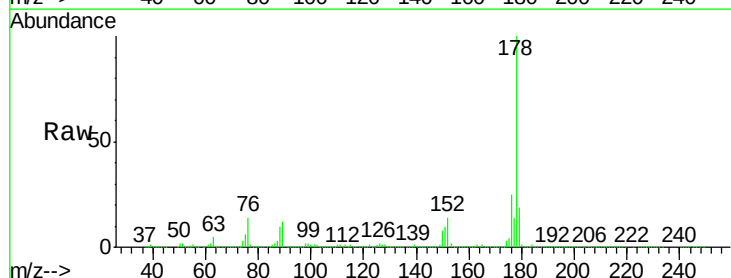
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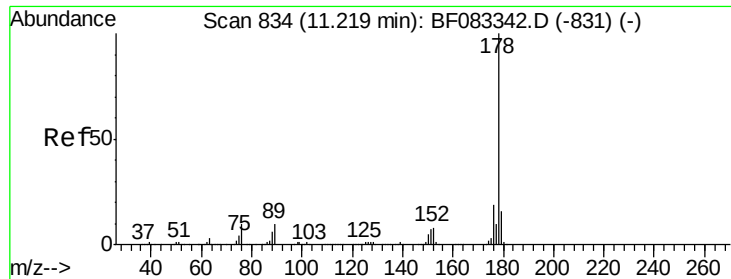
Mmdadoda  
12/3/2015 7:10:16 PM



#70  
Phenanthrene  
Concen: 443.53 ng m  
RT: 11.18 min Scan# 831  
Delta R.T. 0.02 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 9311829 |       |       |
| 176     | 24.8  |         | 15.3  | 22.9# |
| 179     | 18.8  |         | 12.4  | 18.6# |





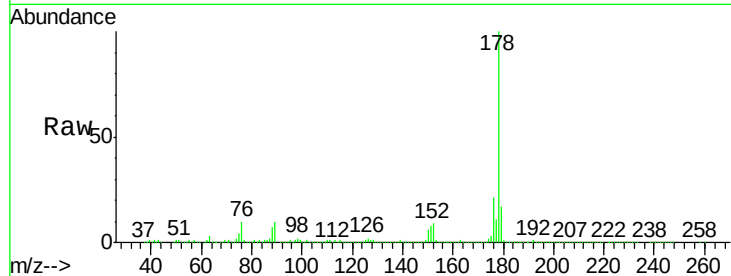
#71  
 Anthracene  
 Concen: 151.11 ng/mL  
 RT: 11.23 min Scan# 835  
 Delta R.T. 0.01 min  
 Lab File: BF083455.D  
 Acq: 3 Dec 2015 10:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-10(0-6)

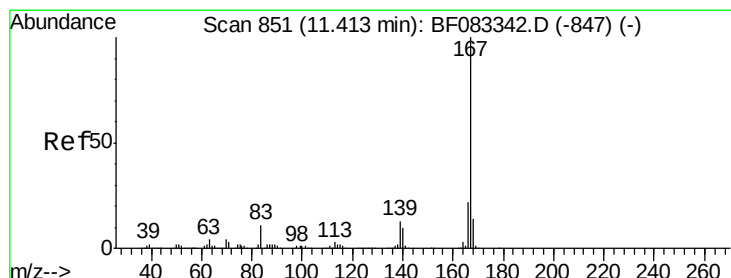
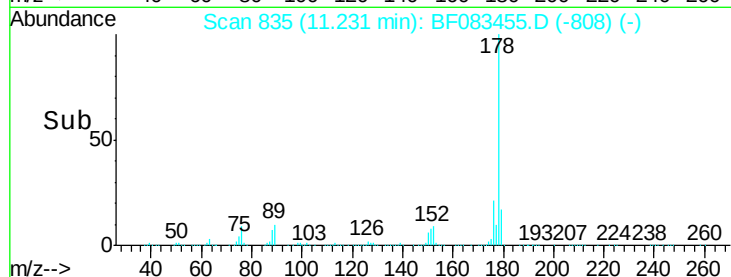
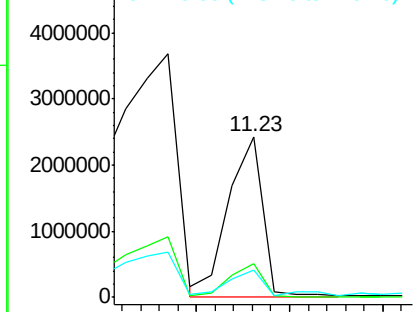
Tot Ion:178 Resp: 3193909  
 Ion Ratio Lower Upper  
 178 100  
 176 20.8 15.6 23.4  
 179 17.3 12.8 19.2

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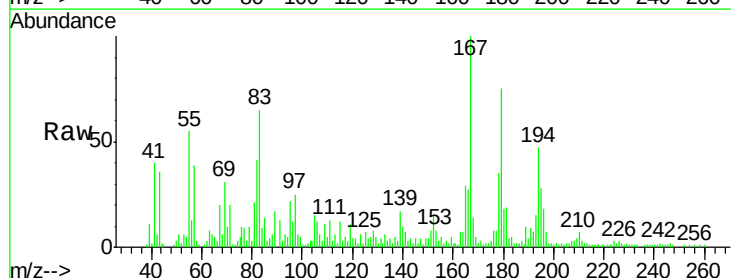


Abundance Ion 178.00 (177.70 to 178.70): E  
 5000000  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

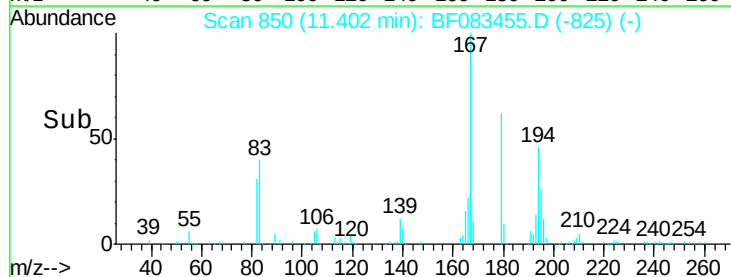
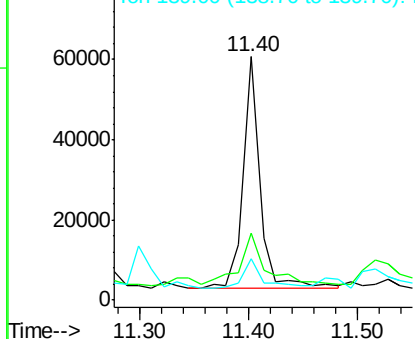


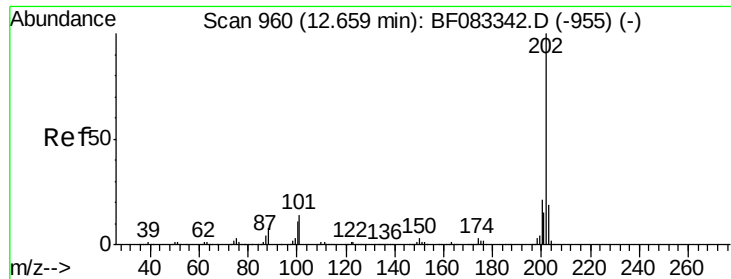
#72  
 Carbazole  
 Concen: 3.24 ng  
 RT: 11.40 min Scan# 850  
 Delta R.T. -0.01 min  
 Lab File: BF083455.D  
 Acq: 3 Dec 2015 10:57

Tgt Ion:167 Resp: 61519  
 Ion Ratio Lower Upper  
 167 100  
 166 27.5 17.4 26.0#  
 139 17.1 10.5 15.7#



Abundance Ion 167.00 (166.70 to 167.70): E  
 80000  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 332.27 ng

RT: 12.69 min Scan# 963

Delta R.T. 0.03 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

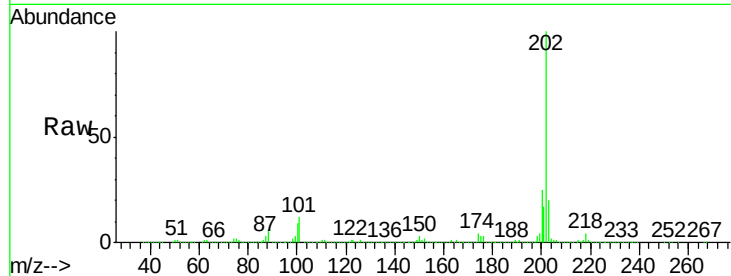
ClientSampleId :

SB-P3WC-10(0-6)

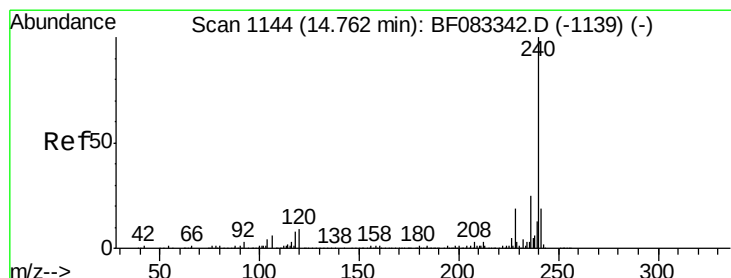
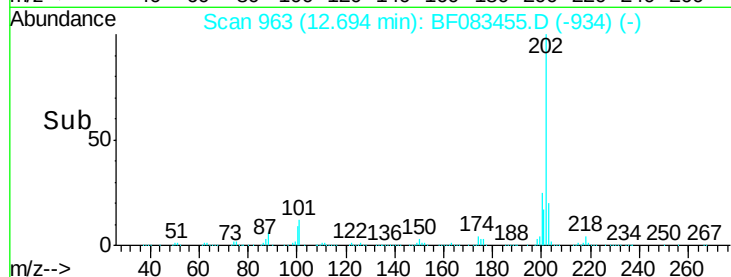
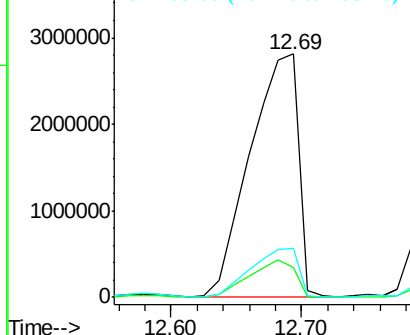
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 7231034 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 12.3  | 0.0   | 34.5    |
| 203       | 20.3  | 0.0   | 38.7    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.76 min Scan# 1144

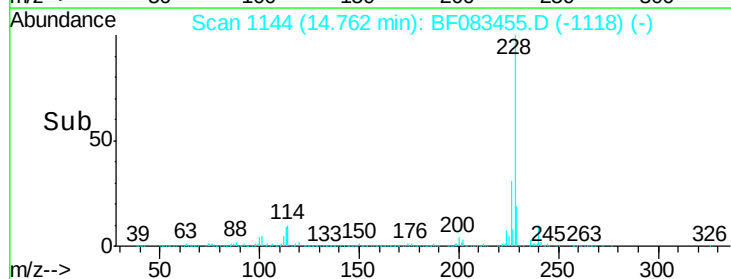
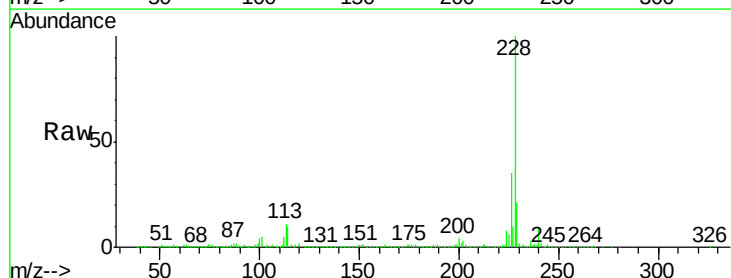
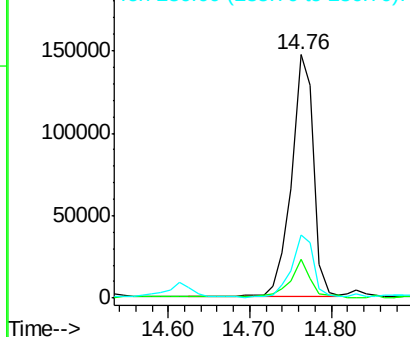
Delta R.T. -0.00 min

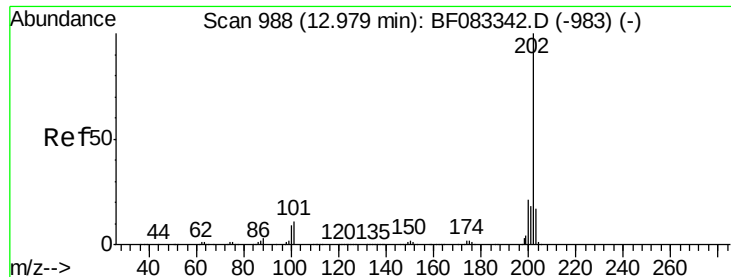
Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 277109 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 15.7  | 6.9   | 10.3#  |
| 236       | 26.0  | 19.8  | 29.6   |

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

Pvrene

Concen: 470.13 ng/mL

RT: 13.01 min Scan# 991

Delta R.T. 0.03 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-10(0-6)

Tot Ion:202 Resp: 9098168

Ion Ratio Lower Upper

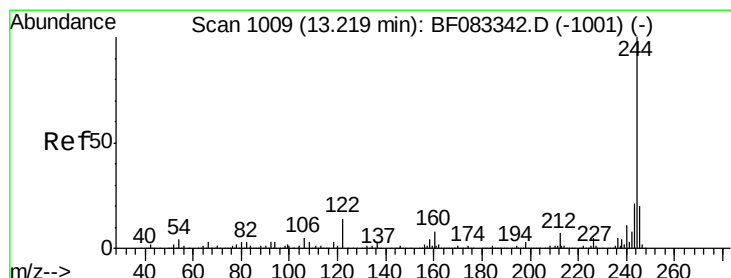
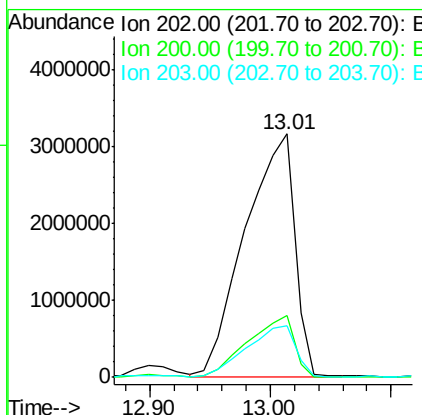
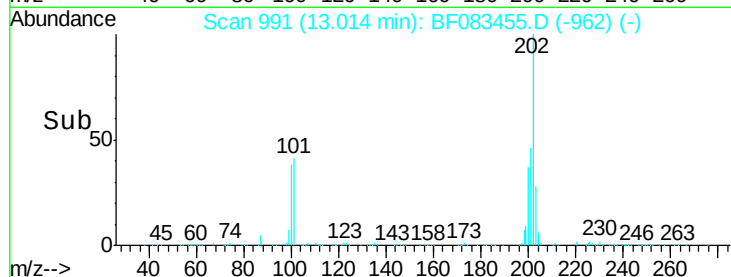
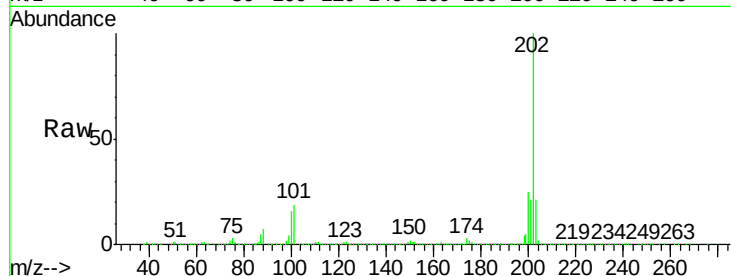
202 100

200 25.5 16.9 25.3#

203 21.3 13.9 20.9#

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#78

Terphenyl-d14

Concen: 93.10 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

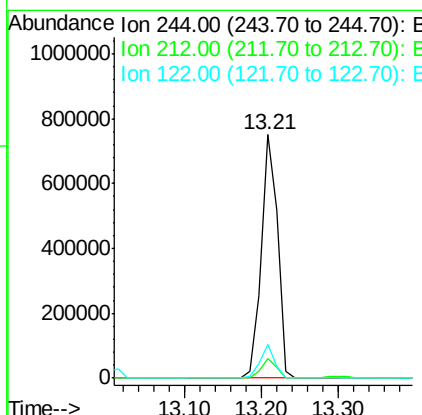
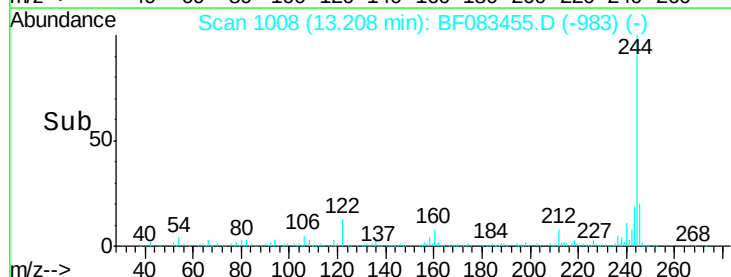
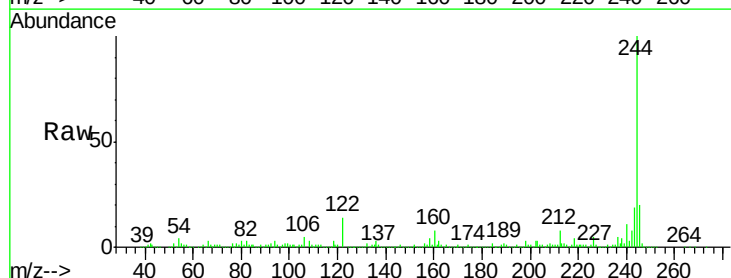
Tgt Ion:244 Resp: 1081844

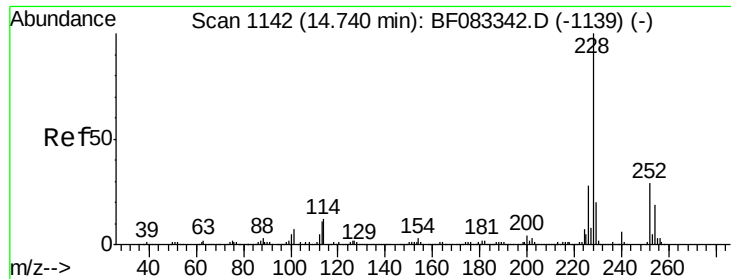
Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 13.6 11.0 16.4





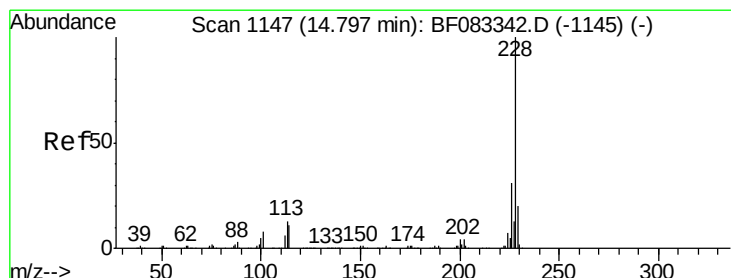
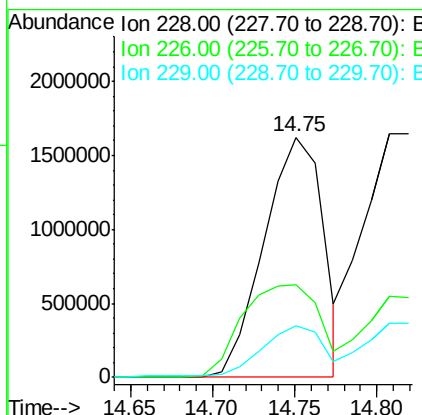
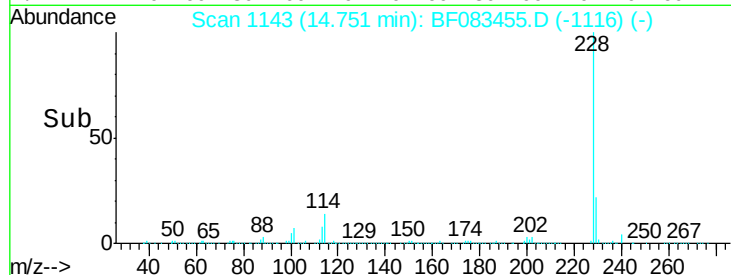
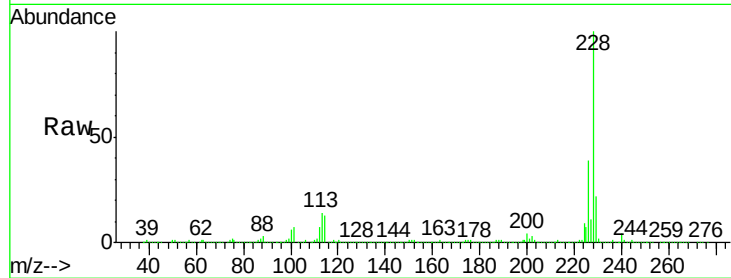
#80  
Benzo(a)anthracene  
Concen: 242.34 ng/mL  
RT: 14.75 min Scan# 1143  
Delta R.T. 0.01 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-10(0-6)

Tot Ion: 228 Resp: 4114176  
Ion Ratio Lower Upper  
228 100  
226 38.5 22.2 33.4#  
229 21.7 16.1 24.1

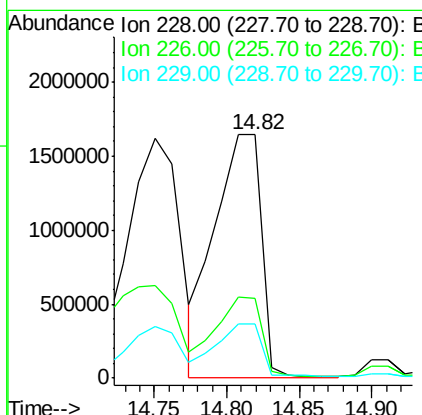
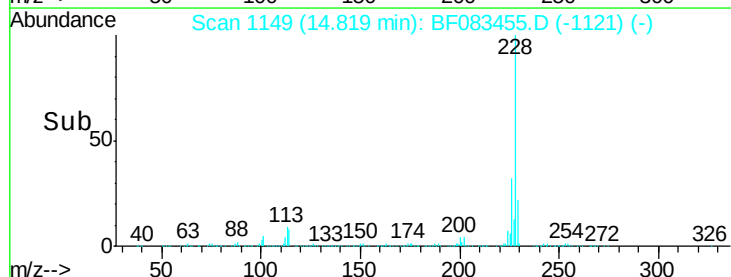
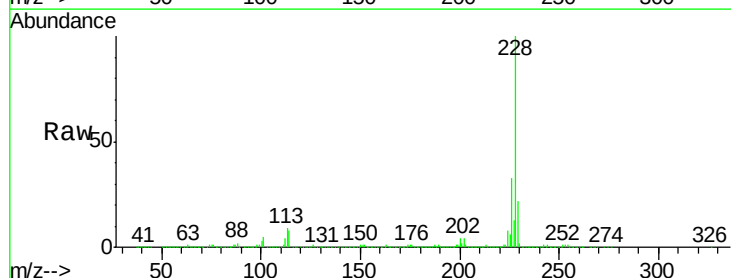
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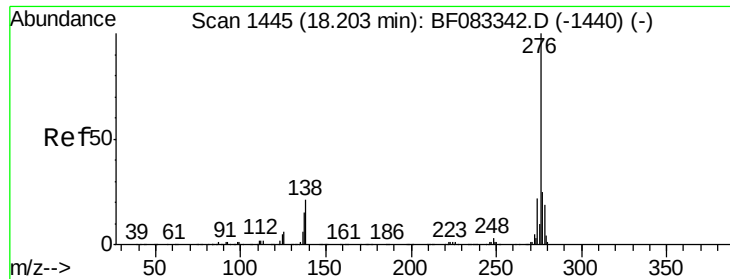
Mmdadoda  
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#82  
Chrysene  
Concen: 224.04 ng/mL  
RT: 14.82 min Scan# 1149  
Delta R.T. 0.02 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Tgt Ion: 228 Resp: 3674945  
Ion Ratio Lower Upper  
228 100  
226 32.6 24.6 37.0  
229 22.1 16.2 24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 172.90 ng

RT: 18.23 min Scan# 1447

Delta R.T. 0.02 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-10(0-6)

Tot Ion:276 Resp: 2065529

Ion Ratio Lower Upper

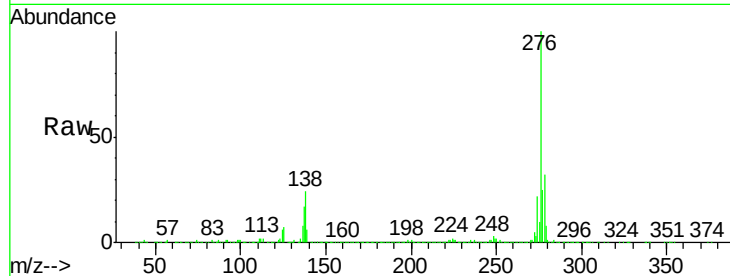
276 100

138 21.5 21.2 31.8

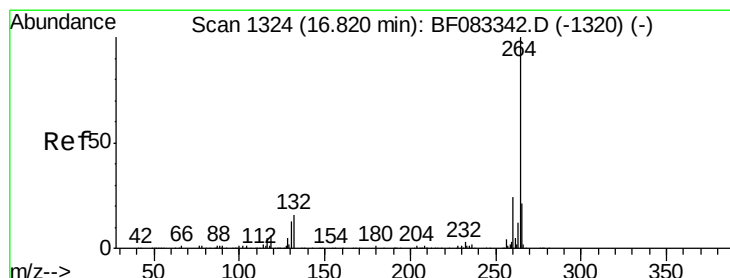
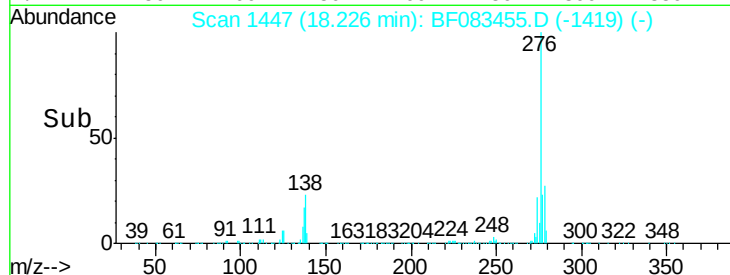
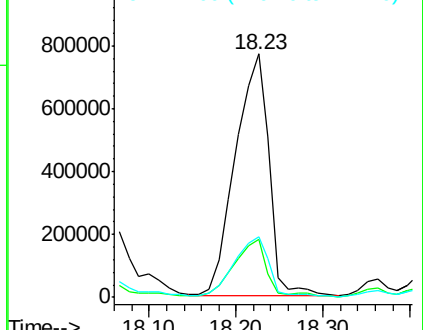
277 25.6 20.0 30.0

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Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.83 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

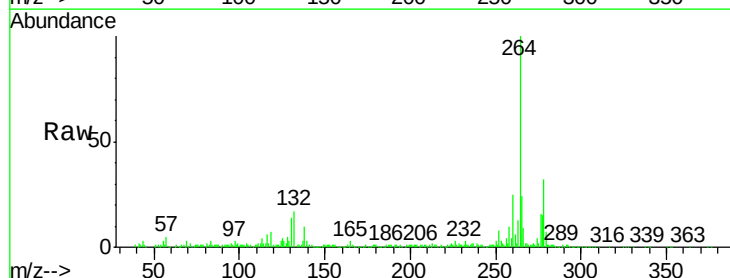
Tgt Ion:264 Resp: 265115

Ion Ratio Lower Upper

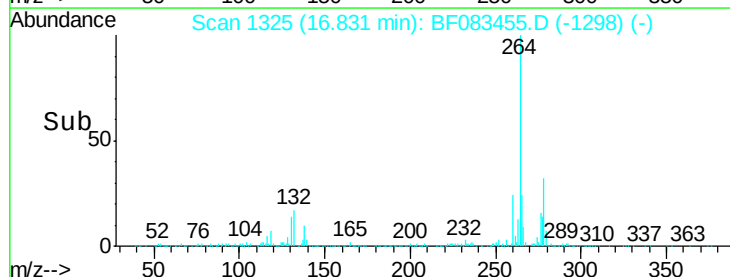
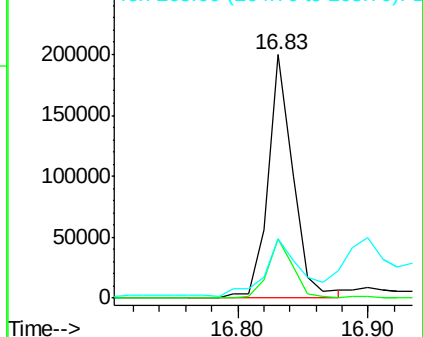
264 100

260 24.6 19.0 28.4

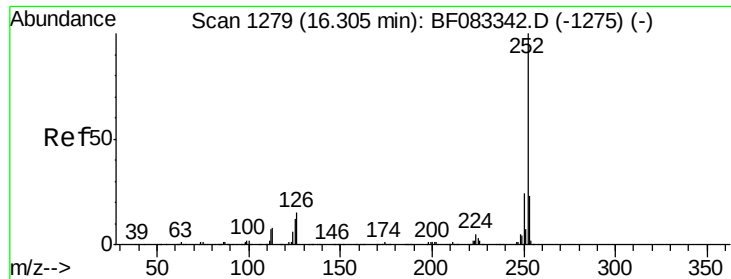
265 24.4 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E







#87

Benzo(b)fluoranthene

Concen: 244.68 ng m

RT: 16.33 min Scan# 1281

Delta R.T. 0.02 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-10(0-6)

Tot Ion:252 Resp: 4162239

Ion Ratio Lower Upper

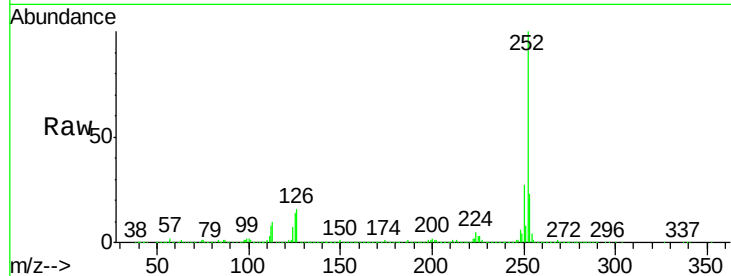
252 100

253 23.3 18.4 27.6

125 13.6 9.6 14.4

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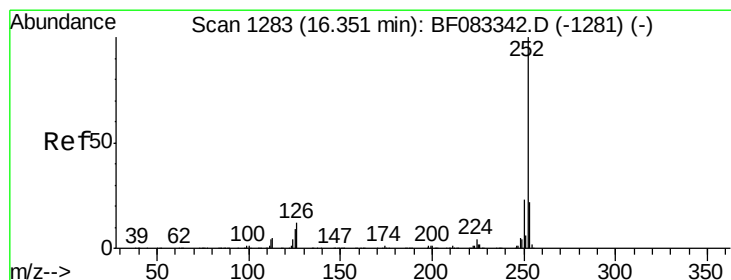
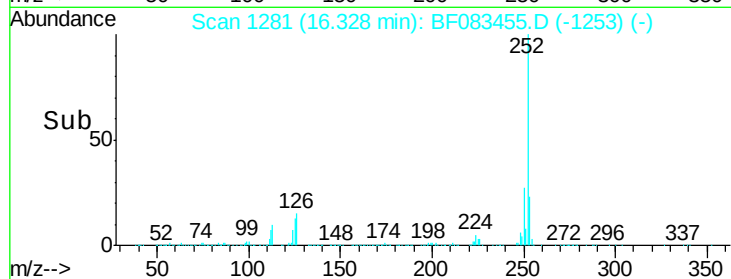
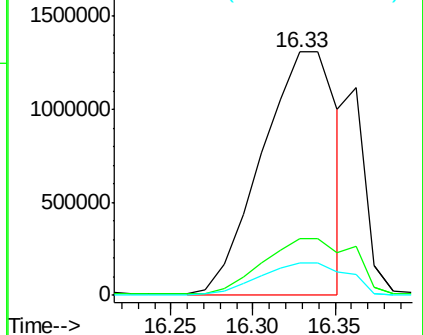
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 56.48 ng m

RT: 16.36 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

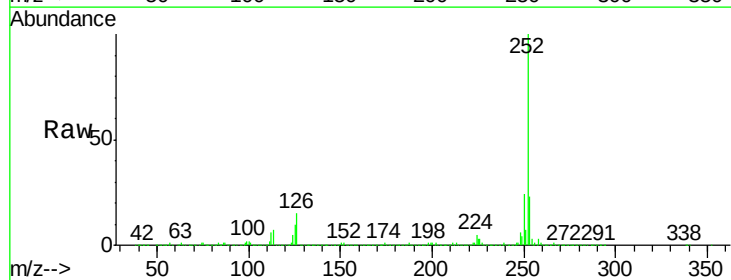
Tgt Ion:252 Resp: 907298

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

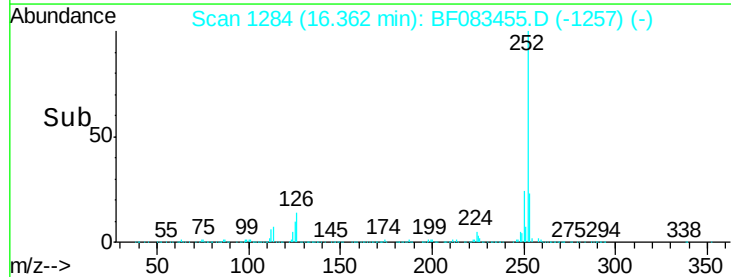
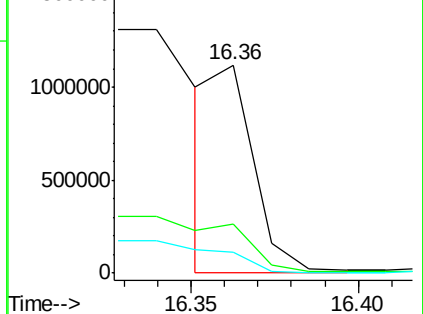
125 10.3 7.5 11.3

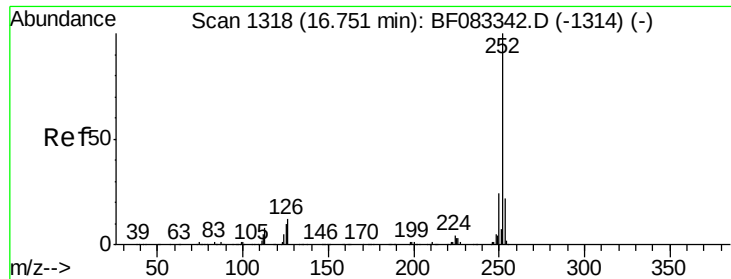


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





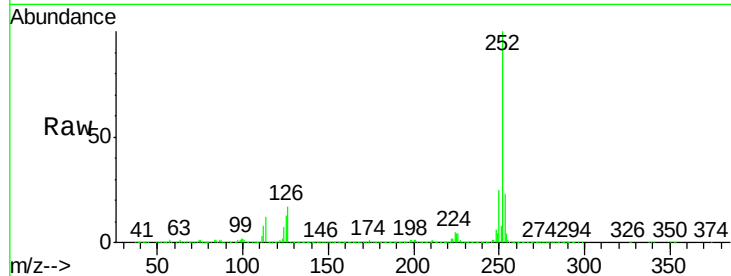
#89  
Benzo(a)pyrene  
Concen: 283.48 ng  
RT: 16.77 min Scan# 1320  
Delta R.T. 0.02 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-10(0-6)

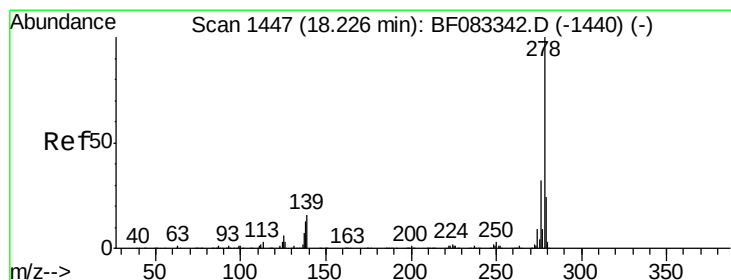
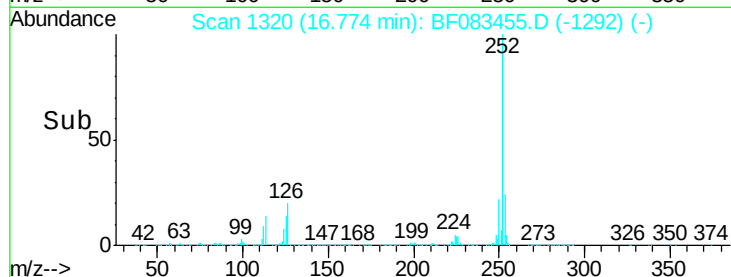
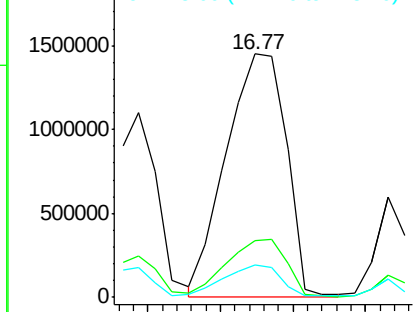
Tot Ion:252 Resp: 4141981  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.5 26.3  
125 13.2 7.8 11.8#

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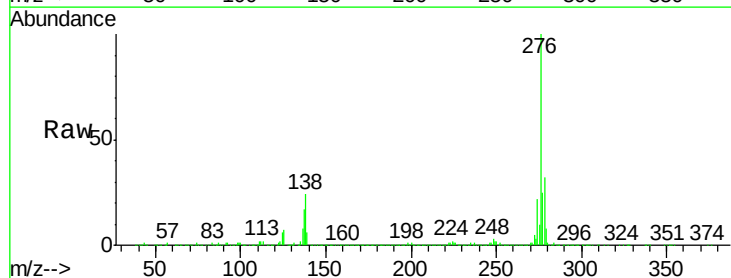


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

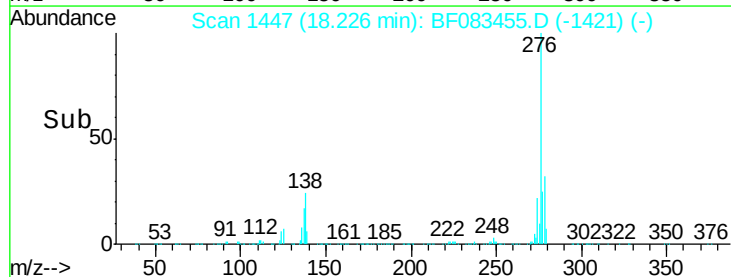
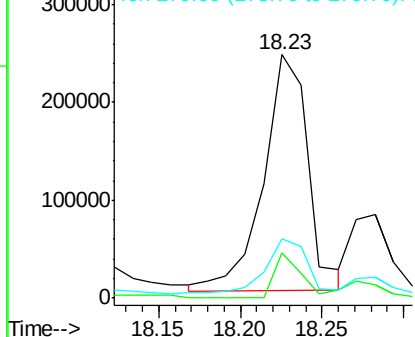


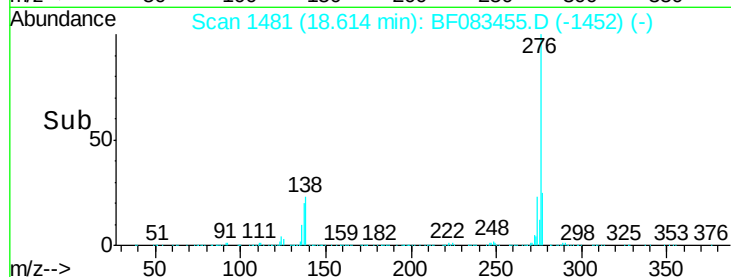
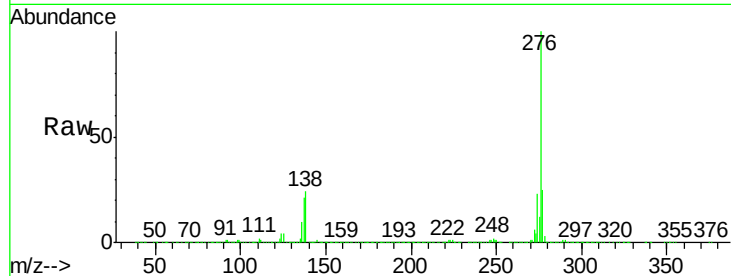
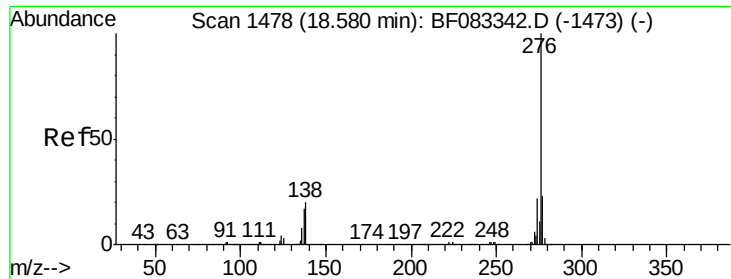
#90  
Dibenzo(a,h)anthracene  
Concen: 35.93 ng  
RT: 18.23 min Scan# 1447  
Delta R.T. -0.00 min  
Lab File: BF083455.D  
Acq: 3 Dec 2015 10:57

Tgt Ion:278 Resp: 457401  
Ion Ratio Lower Upper  
278 100  
139 18.4 13.1 19.7  
279 24.3 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 188.01 ng

RT: 18.61 min Scan# 1481

Delta R.T. 0.03 min

Lab File: BF083455.D

Acq: 3 Dec 2015 10:57

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 276   | Resp: | 2349270 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 277       | 24.9  | 18.6  | 28.0    |
| 138       | 23.8  | 16.1  | 24.1    |

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-10(0-6)

Manual Integrations  
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