

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120215\  
 Data File : BF083431.D  
 Acq On : 2 Dec 2015 21:49  
 Operator : UM/IZ  
 Sample : G4582-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-01(8-12.5)

Quant Time: Dec 03 02:52:31 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  | 149145   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.82  | 136  | 592081   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.57  | 164  | 305516   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.13 | 188  | 507827   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.74 | 240  | 348338   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 16.80 | 264  | 354897   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.13  | 112 | 1508858 | 151.81 | ng | 0.00  |
| 7) Phenol-d6                | 6.21  | 99  | 1902457 | 139.84 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.12  | 82  | 1374428 | 102.04 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.37 | 330 | 391870  | 127.77 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 8.91  | 172 | 1745824 | 81.43  | ng | -0.01 |
| 78) Terphenyl-d14           | 13.21 | 244 | 1557905 | 106.66 | ng | -0.01 |

|                                |       |     |         |           |    |      |
|--------------------------------|-------|-----|---------|-----------|----|------|
| Target Compounds               |       |     |         | Qvalue    |    |      |
| 9) Benzaldehyde                | 6.09  | 77  | 6014    | Below Cal | #  | 1    |
| 10) Phenol                     | 6.22  | 94  | 46592   | 2.85      | ng | 69   |
| 15) Benzyl Alcohol             | 6.69  | 79  | 21705   | 2.06      | ng | 51   |
| 18) Hexachloroethane           | 7.01  | 117 | 17421   | 3.98      | ng | 1    |
| 19) n-Nitroso-di-n-propylamine | 7.12  | 70  | 198638  | 20.43     | ng | 79   |
| 31) Naphthalene                | 7.85  | 128 | 1013807 | 31.56     | ng | 99   |
| 33) 4-Chloroaniline            | 7.85  | 127 | 139658  | 10.08     | ng | 33   |
| 35) Caprolactam                | 8.27  | 113 | 11168   | 3.73      | ng | 1    |
| 37) 2-Methylnaphthalene        | 8.54  | 142 | 380766  | 17.73     | ng | 99   |
| 45) 1,1'-Biphenyl              | 9.01  | 154 | 1234964 | 46.10     | ng | 100  |
| 48) Acenaphthylene             | 9.44  | 152 | 507406  | 15.58     | ng | # 94 |
| 49) Dimethylphthalate          | 9.32  | 163 | 402206  | 16.20     | ng | 97   |
| 50) 2,6-Dinitrotoluene         | 9.28  | 165 | 21787   | 4.11      | ng | # 82 |
| 51) Acenaphthene               | 9.62  | 154 | 2544319 | 132.83    | ng | 98   |
| 54) Dibenzofuran               | 9.78  | 168 | 276058  | 9.83      | ng | # 89 |
| 55) 4-Nitrophenol              | 9.69  | 139 | 22912   | 5.89      | ng | # 20 |
| 56) 2,4-Dinitrotoluene         | 9.79  | 165 | 46901   | 6.97      | ng | # 43 |
| 57) Fluorene                   | 10.13 | 166 | 2375081 | 107.15    | ng | 98   |
| 61) 4-Nitroaniline             | 10.12 | 138 | 26019   | 4.18      | ng | # 32 |
| 65) n-Nitrosodiphenylamine     | 10.24 | 169 | 67437   | 3.78      | ng | # 1  |
| 70) Phenanthrene               | 11.22 | 178 | 2700564 | 89.86     | ng | 96   |
| 71) Anthracene                 | 11.22 | 178 | 2700564 | 89.26     | ng | 97   |
| 74) Fluoranthene               | 12.67 | 202 | 3964348 | 127.26    | ng | 99   |
| 77) Pyrene                     | 12.99 | 202 | 5394316 | 221.74    | ng | 93   |
| 80) Benzo(a)anthracene         | 14.79 | 228 | 1449889 | 67.94     | ng | 94   |
| 82) Chrysene                   | 14.79 | 228 | 1452518 | 70.45     | ng | 98   |
| 85) Indeno(1,2,3-cd)pyrene     | 18.18 | 276 | 600599  | 39.99     | ng | 96   |
| 87) Benzo(b)fluoranthene       | 16.29 | 252 | 1564289 | 68.69     | ng | 99   |
| 88) Benzo(k)fluoranthene       | 16.29 | 252 | 1564289 | 72.75     | ng | # 96 |
| 89) Benzo(a)pyrene             | 16.74 | 252 | 1428681 | 73.04     | ng | 98   |
| 90) Dibenzo(a,h)anthracene     | 18.19 | 278 | 163668  | 9.60      | ng | 98   |
| 91) Benzo(g,h,i)perylene       | 18.56 | 276 | 678475  | 40.56     | ng | 99   |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120215\  
Data File : BF083431.D  
Acq On : 2 Dec 2015 21:49  
Operator : UM/IZ  
Sample : G4582-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-01(8-12.5)

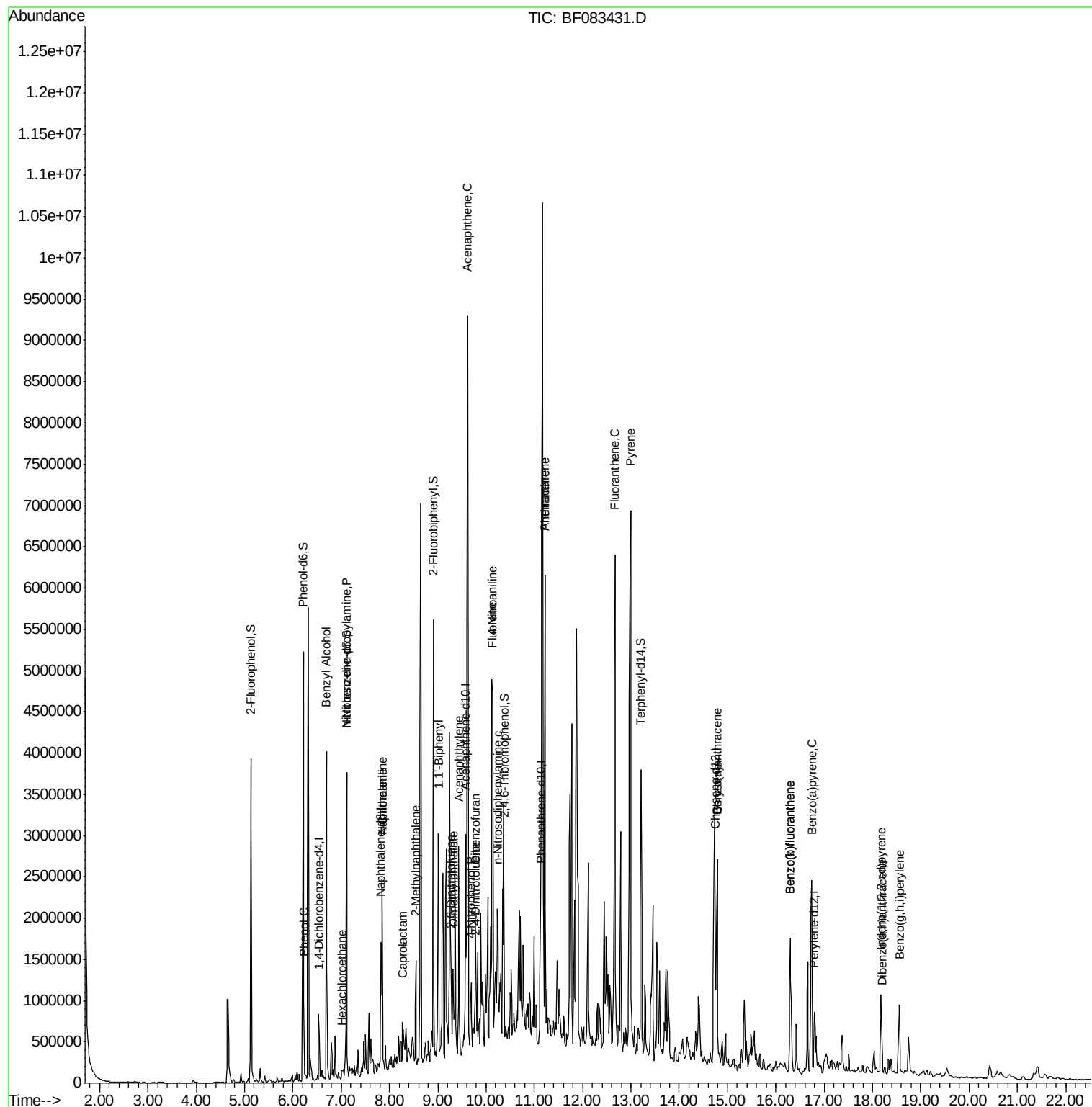
Quant Time: Dec 03 02:52:31 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 01 01:17:16 2015  
Response via : Initial Calibration

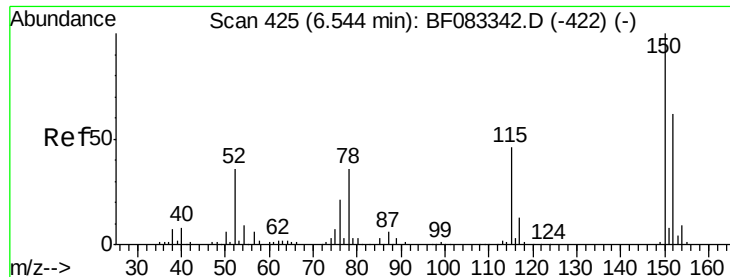
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

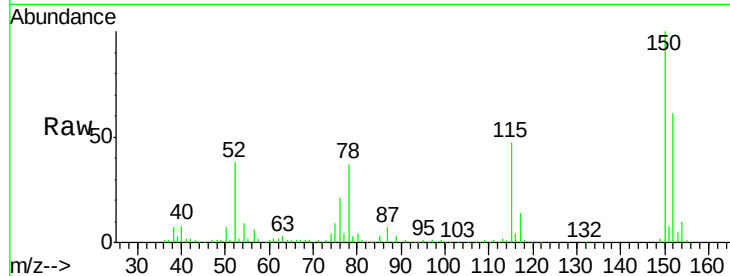
Tgt Ion:152 Resp: 149145

Ion Ratio Lower Upper

152 100

150 162.6 129.8 194.8

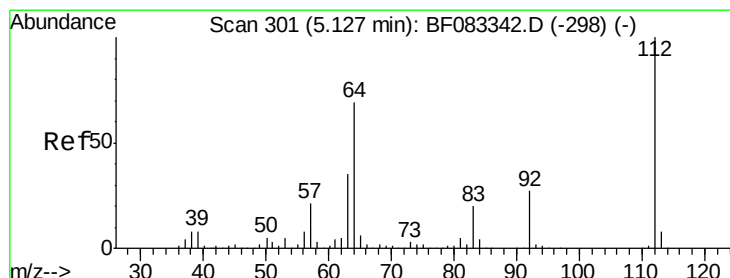
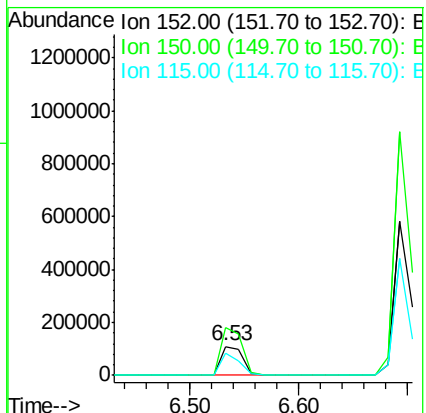
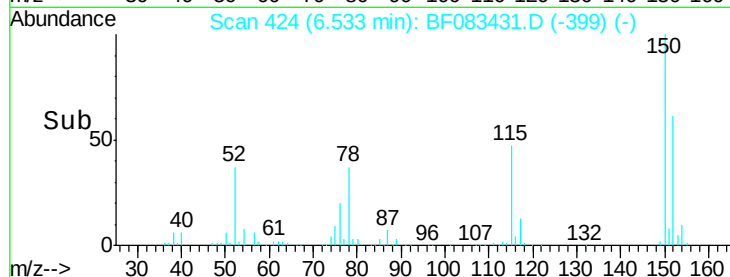
115 76.3 59.2 88.8



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: 151.81 ng

RT: 5.13 min Scan# 301

Delta R.T. -0.00 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

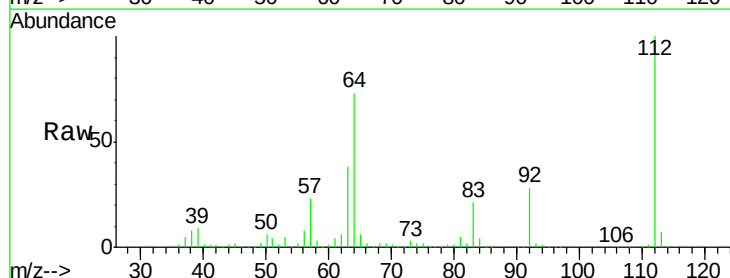
Tgt Ion:112 Resp: 1508858

Ion Ratio Lower Upper

112 100

64 73.1 55.6 83.4

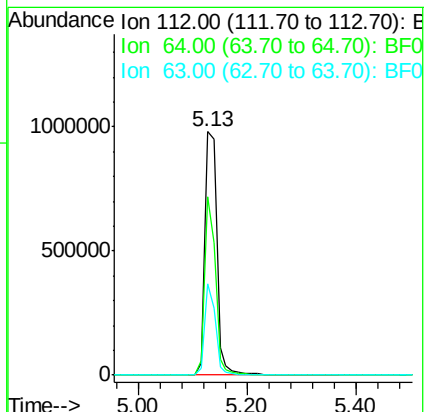
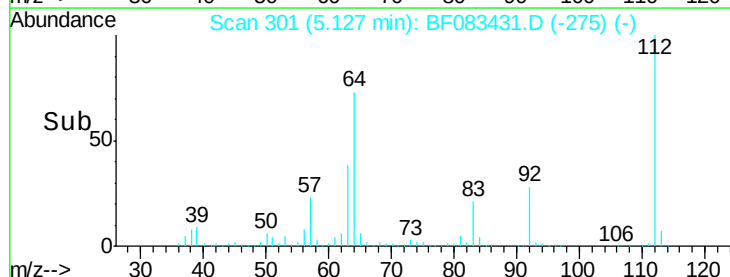
63 37.6 28.2 42.2

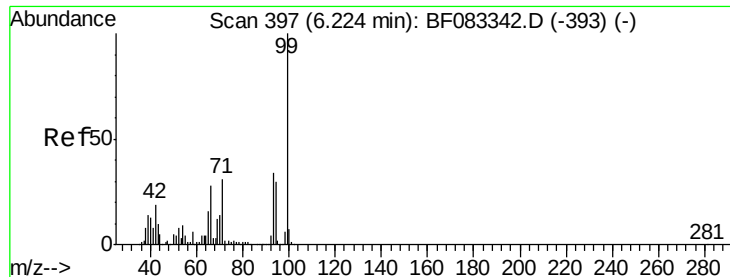


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 139.84 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

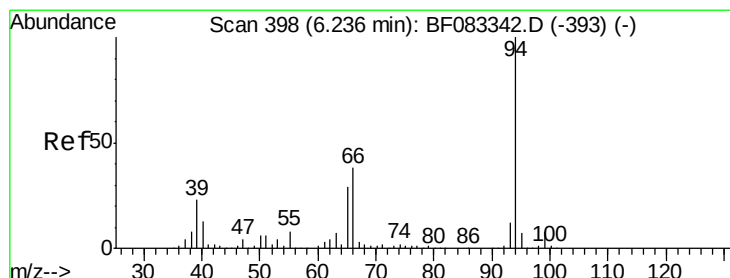
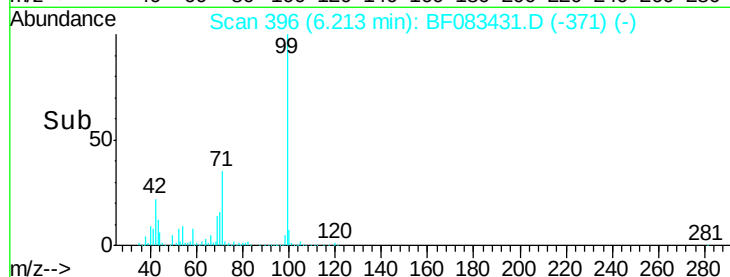
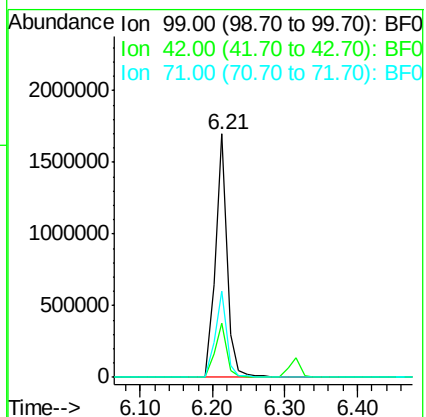
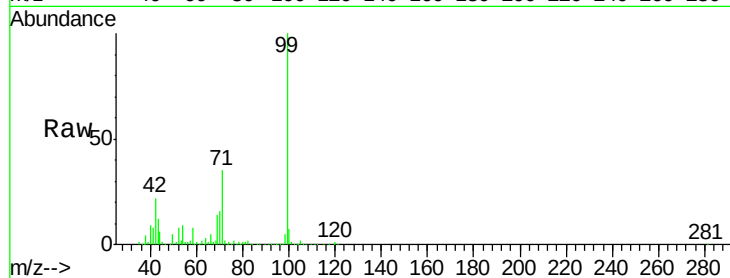
Tgt Ion: 99 Resp: 1902457

Ion Ratio Lower Upper

99 100

42 22.4 14.9 22.3#

71 35.4 24.7 37.1



#10

Phenol

Concen: 2.85 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

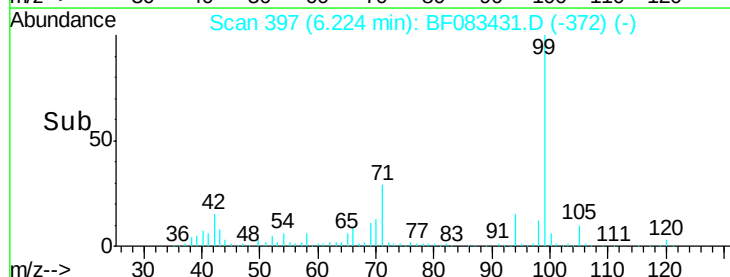
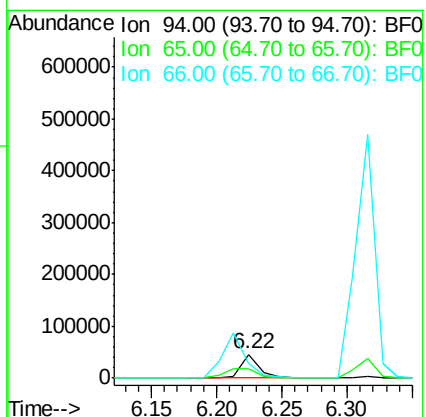
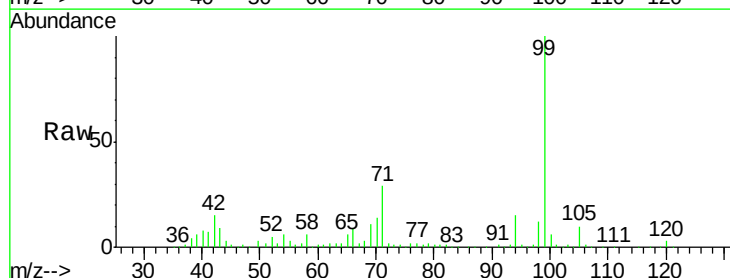
Tgt Ion: 94 Resp: 46592

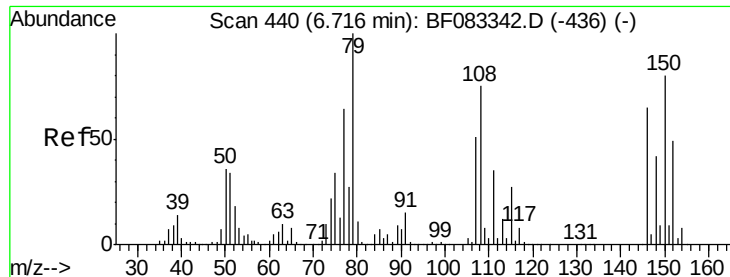
Ion Ratio Lower Upper

94 100

65 40.9 9.5 49.5

66 60.8 17.9 57.9#





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.69 min Scan# 438

Delta R.T. -0.02 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

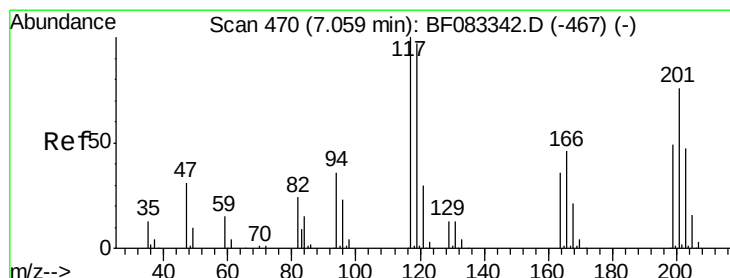
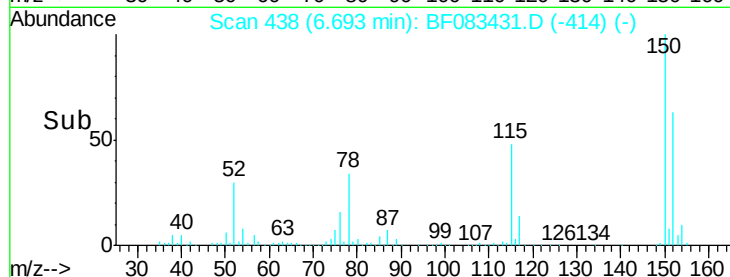
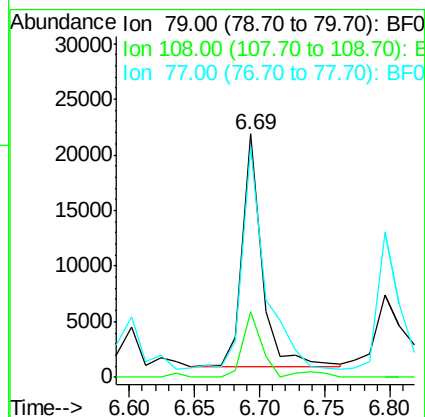
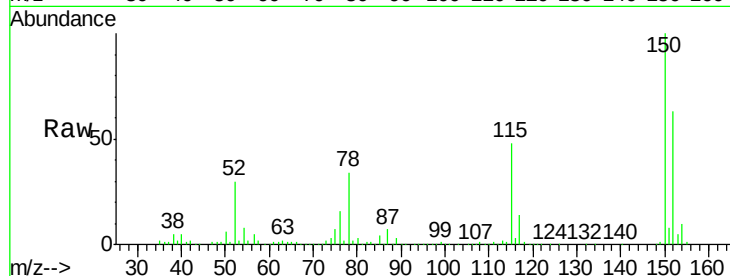
Tgt Ion: 79 Resp: 21705

Ion Ratio Lower Upper

79 100

108 27.1 59.9 89.9#

77 95.0 51.0 76.6#



#18

Hexachloroethane

Concen: 3.98 ng

RT: 7.01 min Scan# 466

Delta R.T. -0.05 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

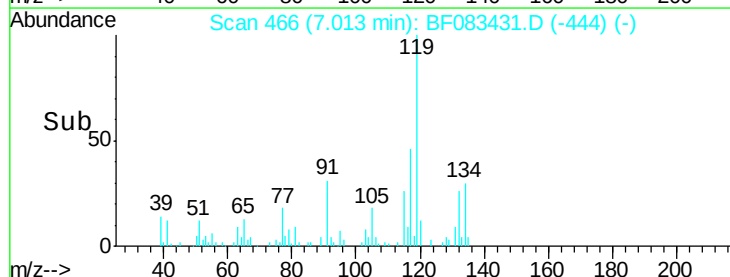
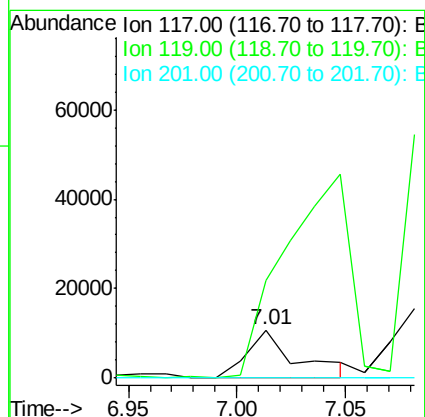
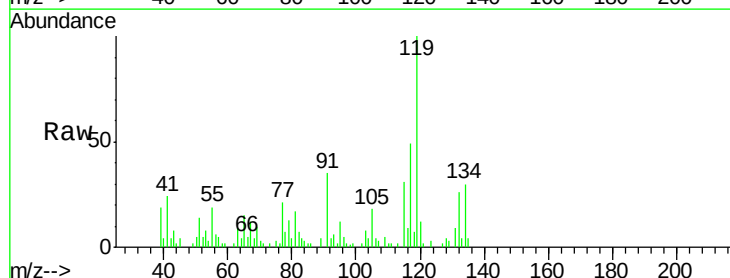
Tgt Ion: 117 Resp: 17421

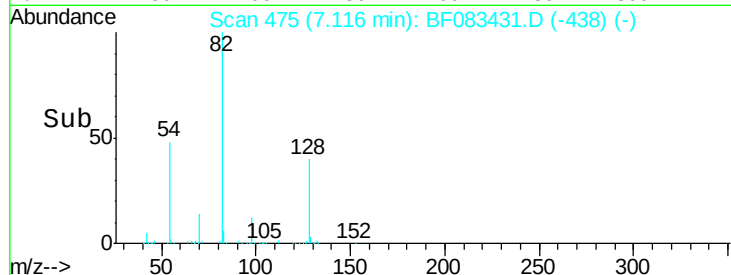
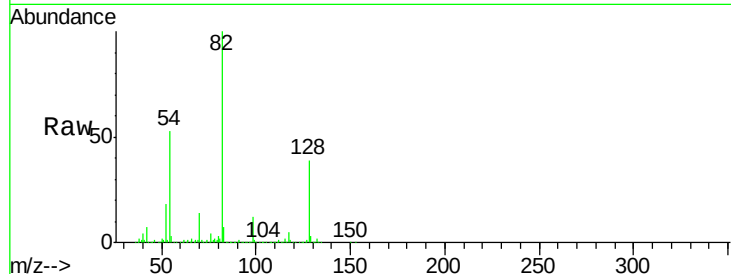
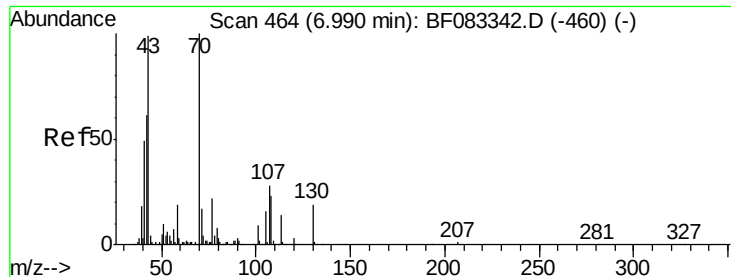
Ion Ratio Lower Upper

117 100

119 203.0 77.3 115.9#

201 0.0 60.6 90.8#

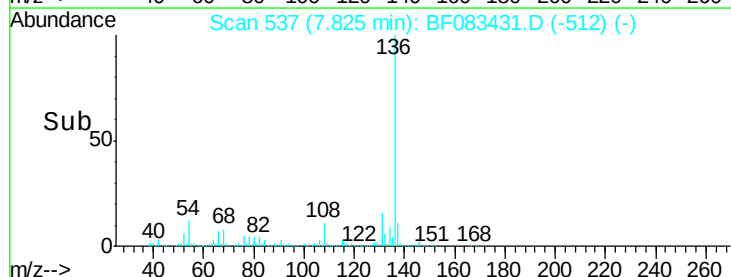
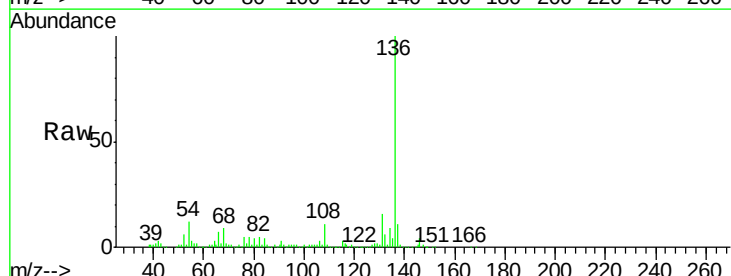
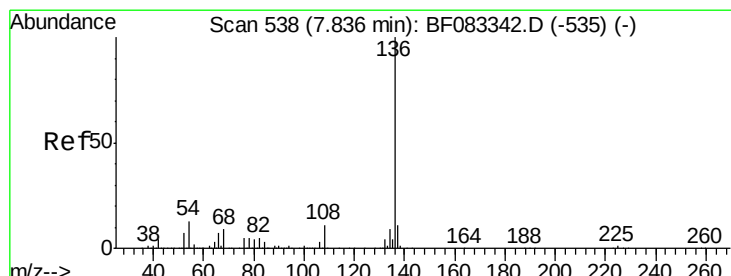
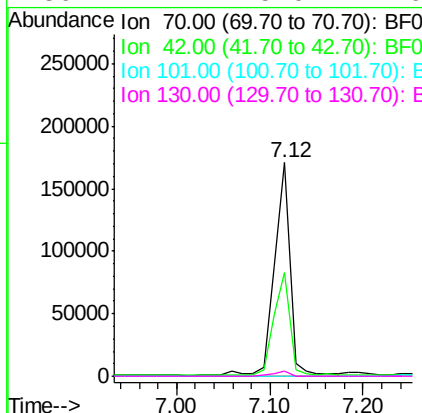




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.43 ng  
RT: 7.12 min Scan# 475  
Delta R.T. 0.13 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

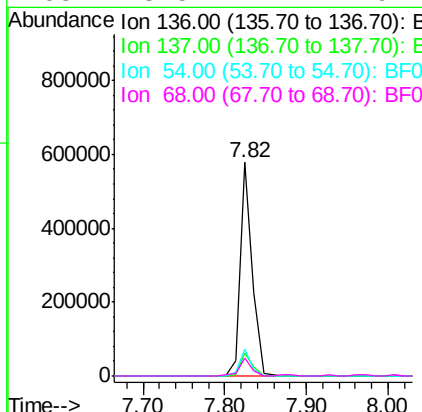
Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-01(8-12.5)

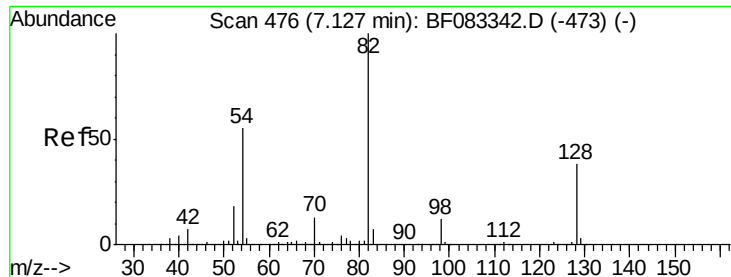
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 198638 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 48.7  | 48.8  | 73.2#  |
| 101      | 0.0   | 7.1   | 10.7#  |
| 130      | 2.4   | 15.0  | 22.6#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.82 min Scan# 537  
Delta R.T. -0.01 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 592081 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.0   | 13.4   |
| 54       | 12.3  | 10.1  | 15.1   |
| 68       | 8.5   | 7.1   | 10.7   |

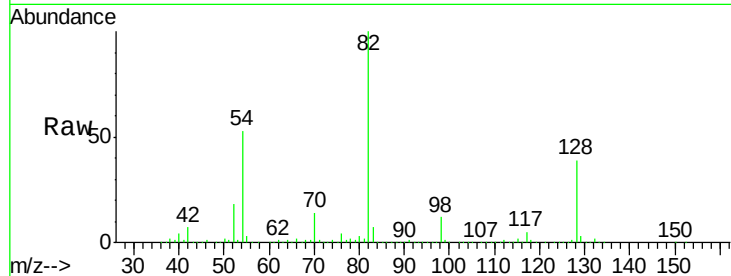




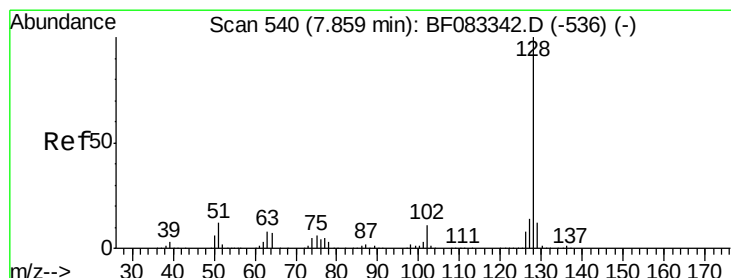
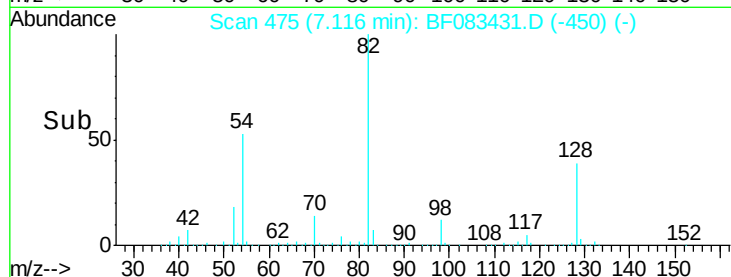
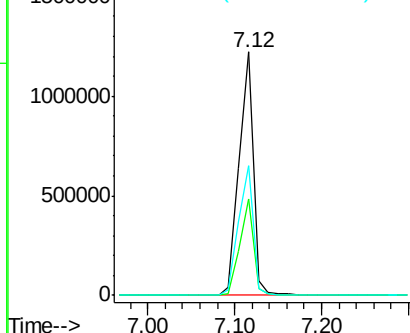
#23  
Nitrobenzene-d5  
Concen: 102.04 ng  
RT: 7.12 min Scan# 475  
Delta R.T. -0.01 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-01(8-12.5)

Tgt Ion: 82 Resp: 1374428  
Ion Ratio Lower Upper  
82 100  
128 39.4 30.6 46.0  
54 53.2 43.8 65.6

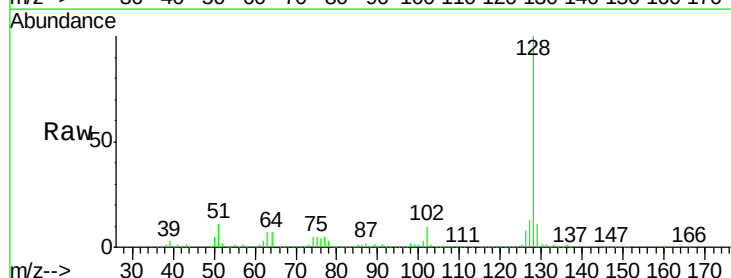


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

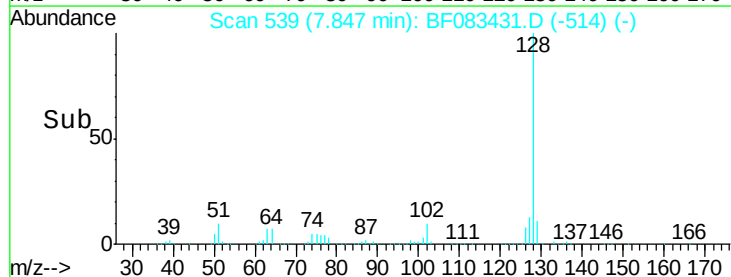
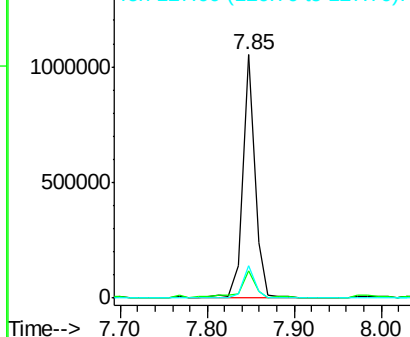


#31  
Naphthalene  
Concen: 31.56 ng  
RT: 7.85 min Scan# 539  
Delta R.T. -0.01 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

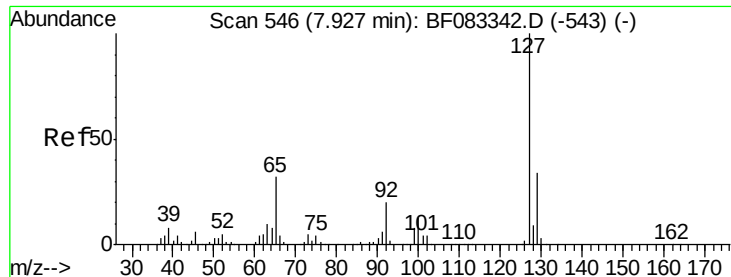
Tgt Ion: 128 Resp: 1013807  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.7 14.5  
127 13.3 11.0 16.4



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



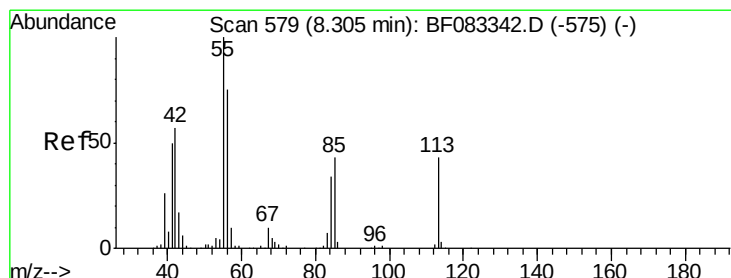
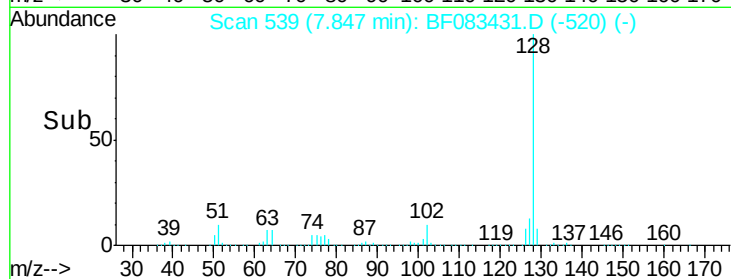
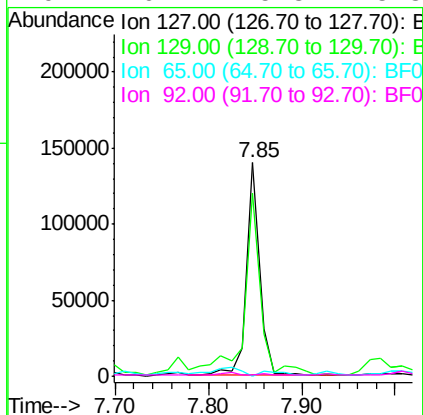
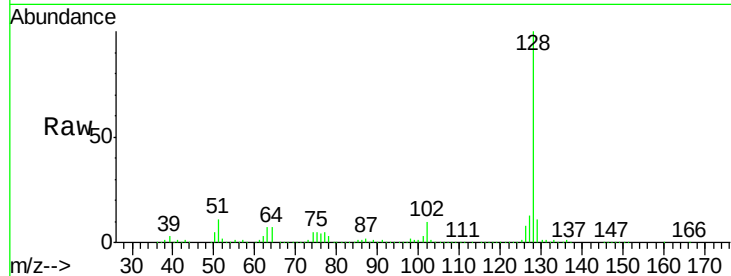




#33  
4-Chloroaniline  
Concen: 10.08 ng  
RT: 7.85 min Scan# 539  
Delta R.T. -0.08 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

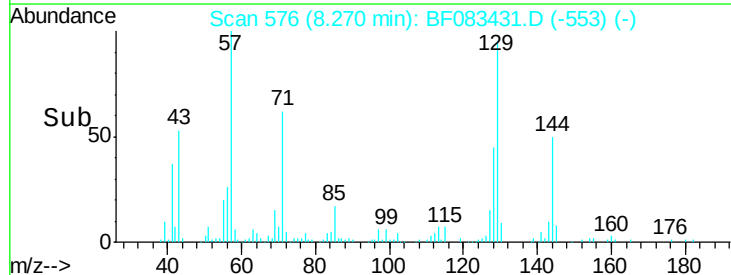
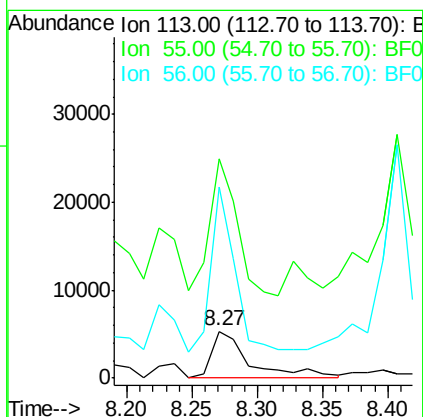
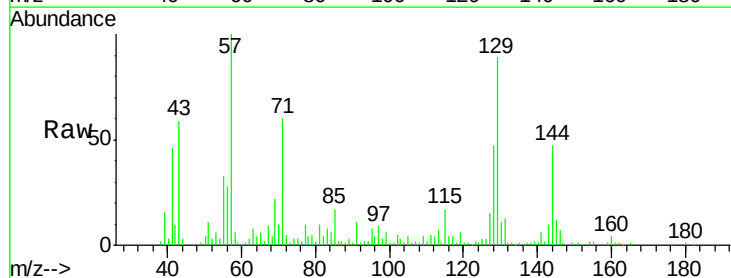
Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-01(8-12.5)

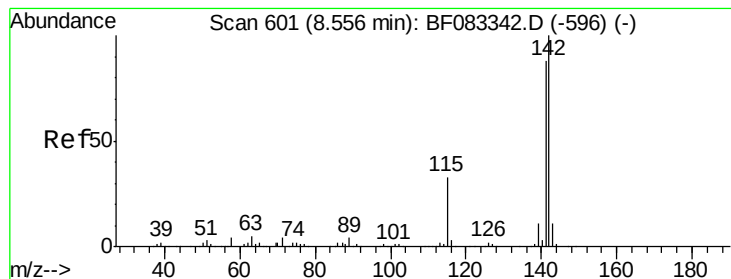
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 139658 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 85.7  | 27.0  | 40.4#  |
| 65       | 0.0   | 25.9  | 38.9#  |
| 92       | 0.4   | 15.8  | 23.8#  |



#35  
Caprolactam  
Concen: 3.73 ng  
RT: 8.27 min Scan# 576  
Delta R.T. -0.03 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 11168  |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 55       | 466.7 | 211.6 | 251.6# |
| 56       | 406.5 | 153.0 | 193.0# |

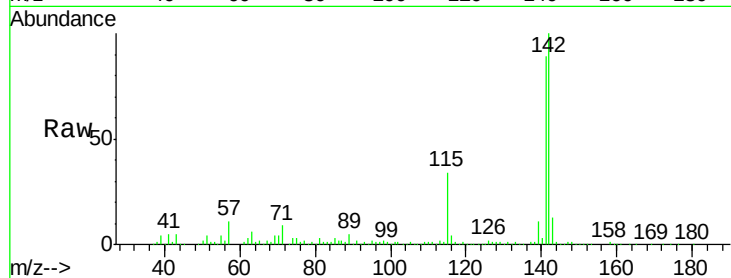




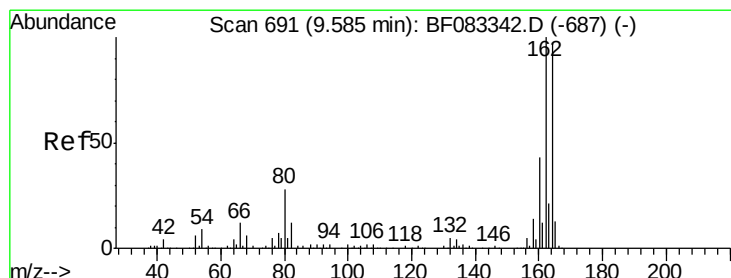
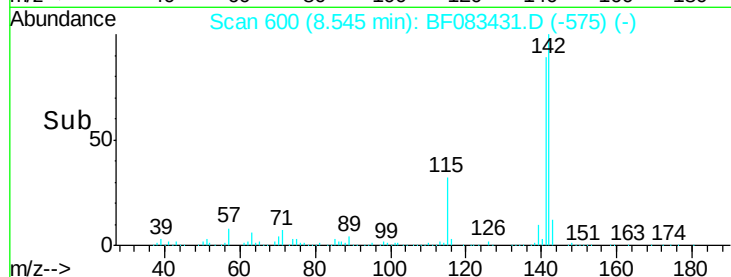
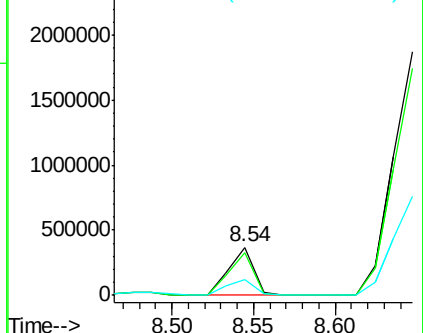
#37  
 2-Methylnaphthalene  
 Concen: 17.73 ng  
 RT: 8.54 min Scan# 600  
 Delta R.T. -0.01 min  
 Lab File: BF083431.D  
 Acq: 2 Dec 2015 21:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-01(8-12.5)

Tgt Ion:142 Resp: 380766  
 Ion Ratio Lower Upper  
 142 100  
 141 88.8 70.6 105.8  
 115 33.9 26.2 39.2

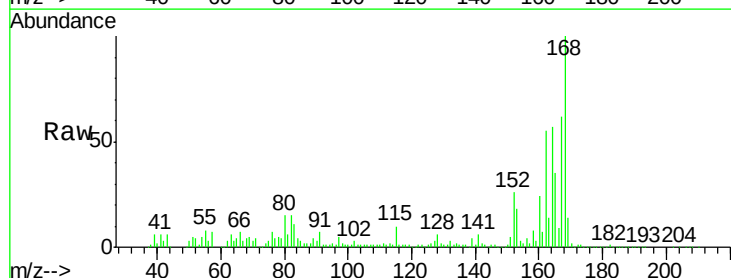


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

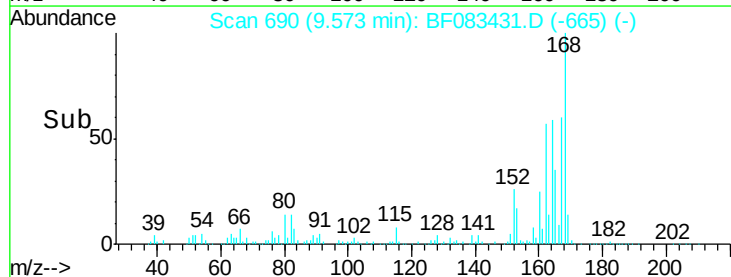
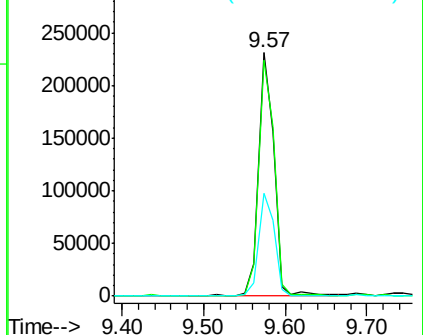


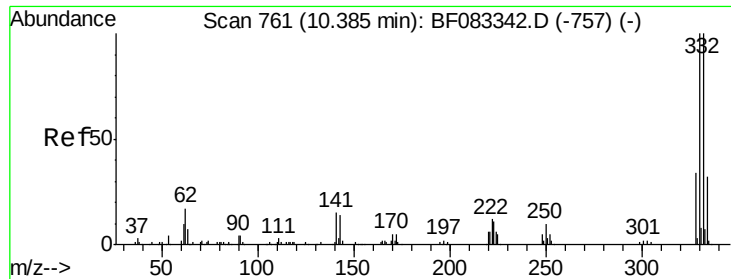
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.57 min Scan# 690  
 Delta R.T. -0.01 min  
 Lab File: BF083431.D  
 Acq: 2 Dec 2015 21:49

Tgt Ion:164 Resp: 305516  
 Ion Ratio Lower Upper  
 164 100  
 162 96.8 82.6 123.8  
 160 42.2 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

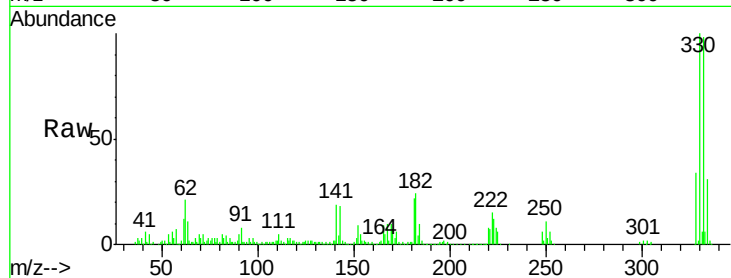




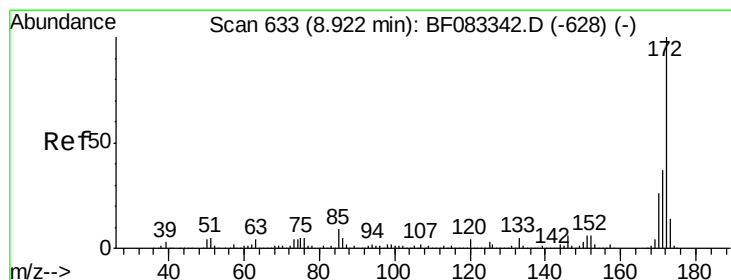
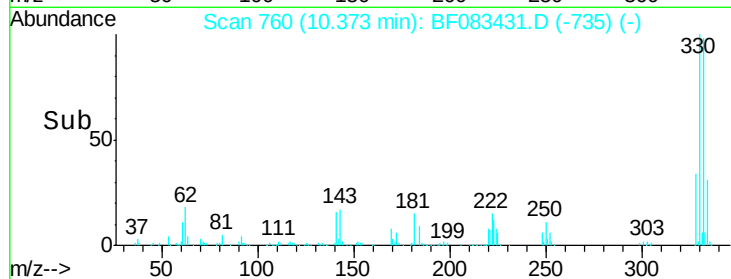
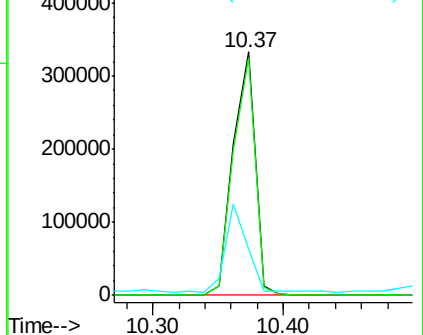
#41  
 2,4,6-Tribromophenol  
 Concen: 127.77 ng  
 RT: 10.37 min Scan# 760  
 Delta R.T. -0.01 min  
 Lab File: BF083431.D  
 Acq: 2 Dec 2015 21:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-01(8-12.5)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.8  | 116.6 |
| 141     | 36.6  | 29.4  | 44.0  |

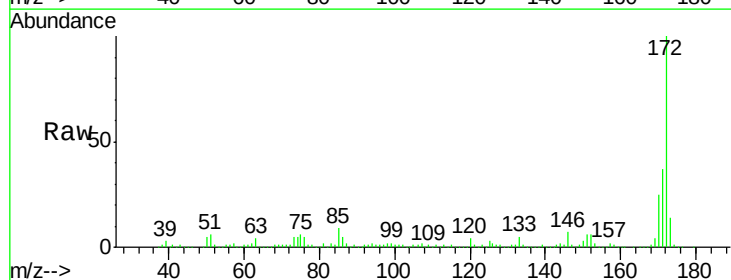


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

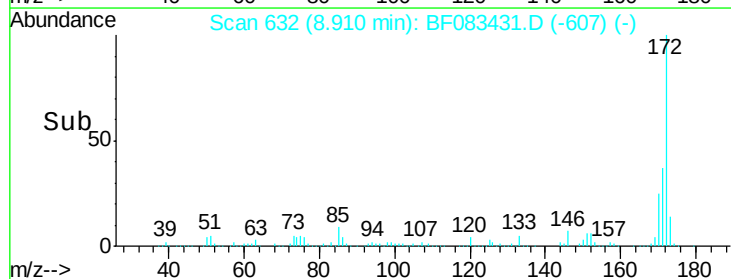
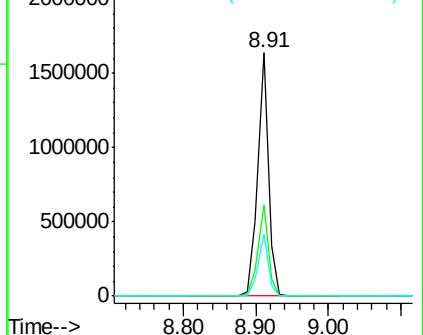


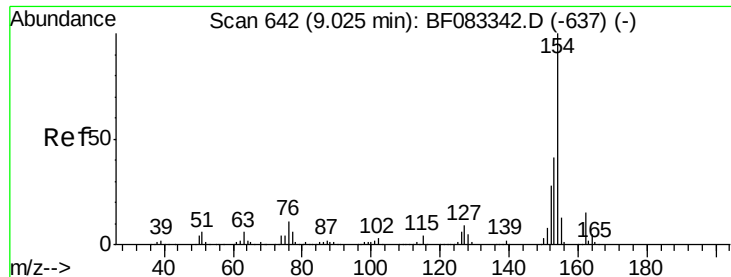
#44  
 2-Fluorobiphenyl  
 Concen: 81.43 ng  
 RT: 8.91 min Scan# 632  
 Delta R.T. -0.01 min  
 Lab File: BF083431.D  
 Acq: 2 Dec 2015 21:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 29.4  | 44.0  |
| 170     | 25.4  | 20.4  | 30.6  |



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

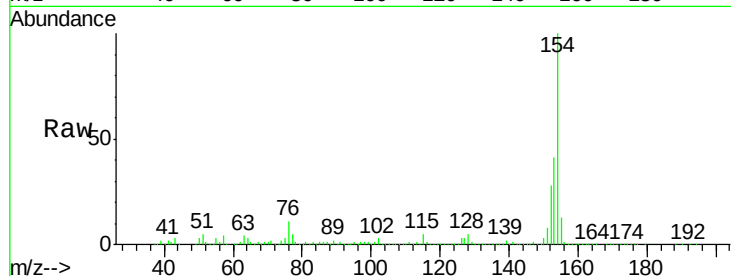




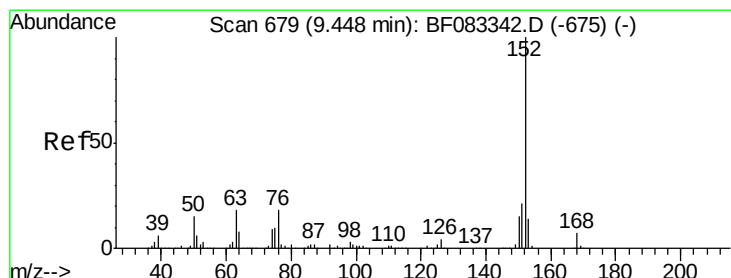
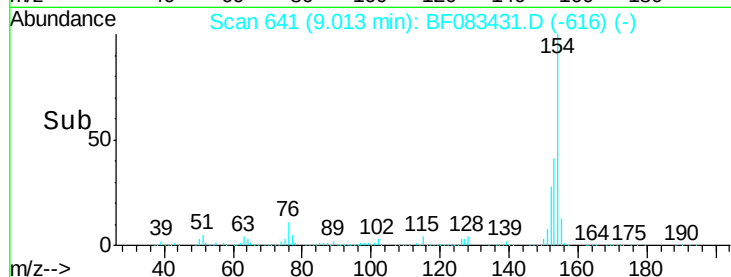
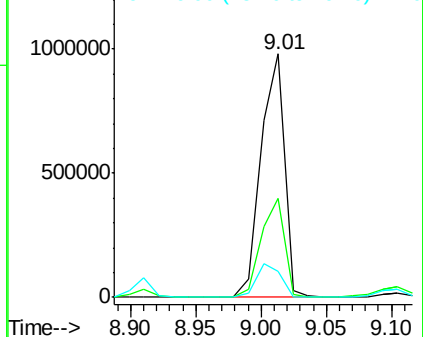
#45  
1,1'-Biphenyl  
Concen: 46.10 ng  
RT: 9.01 min Scan# 641  
Delta R.T. -0.01 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-01(8-12.5)

Tgt Ion:154 Resp: 1234964  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.6 60.6  
76 10.7 0.0 30.5

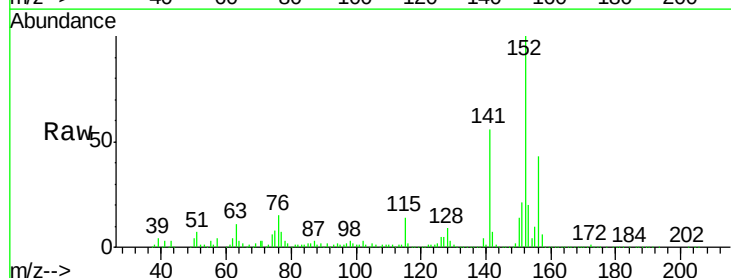


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0

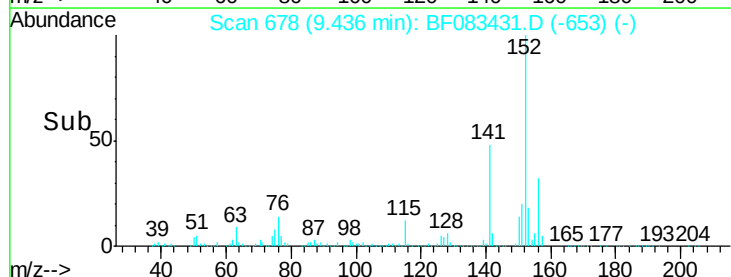
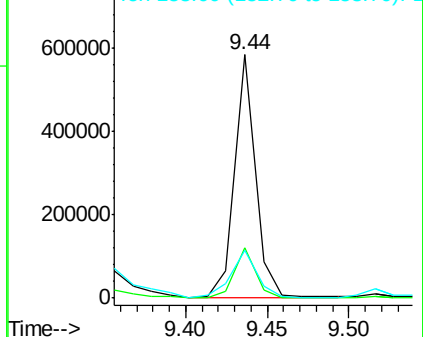


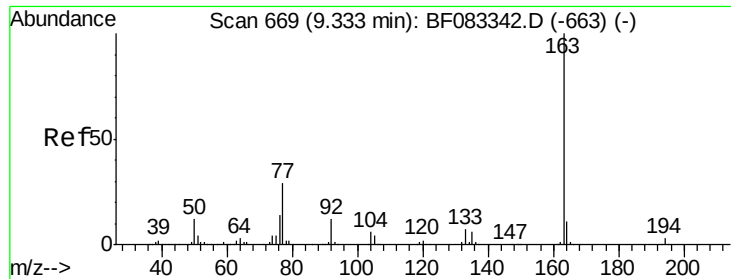
#48  
Acenaphthylene  
Concen: 15.58 ng  
RT: 9.44 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

Tgt Ion:152 Resp: 507406  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.7 25.1  
153 19.8 11.2 16.8#



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

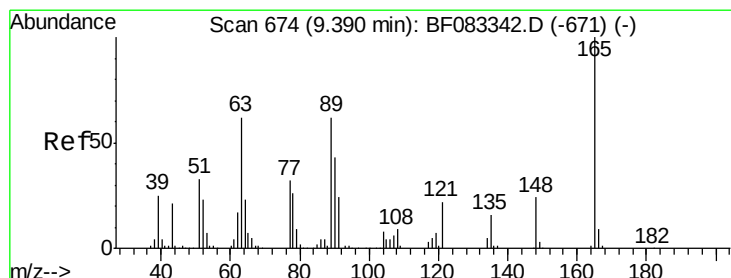
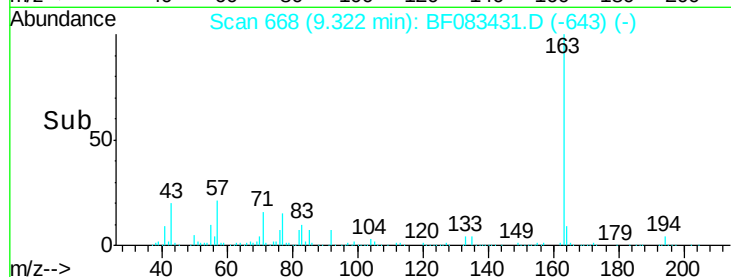
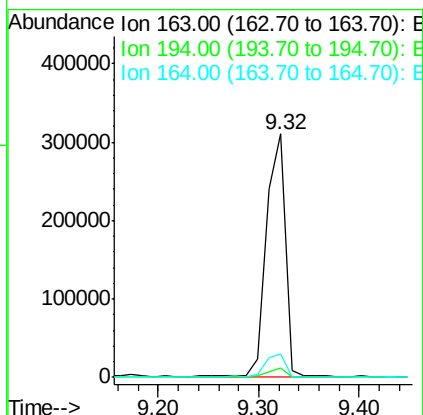
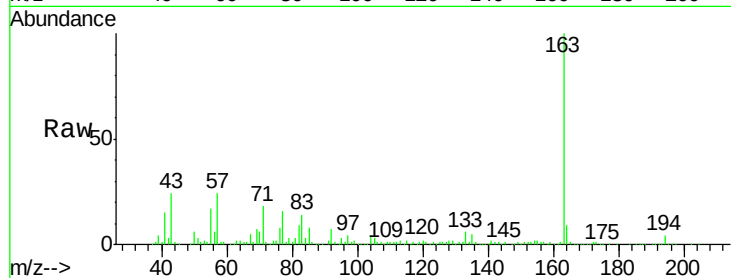




#49  
Dimethylphthalate  
Concen: 16.20 ng  
RT: 9.32 min Scan# 668  
Delta R.T. -0.01 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

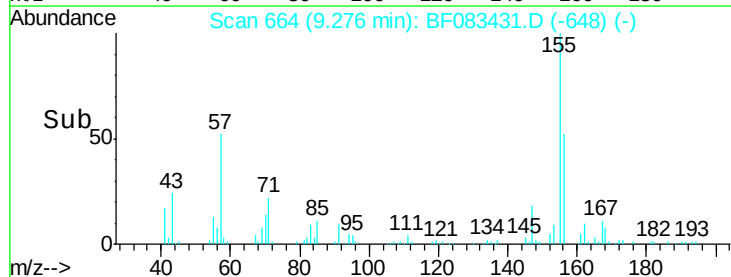
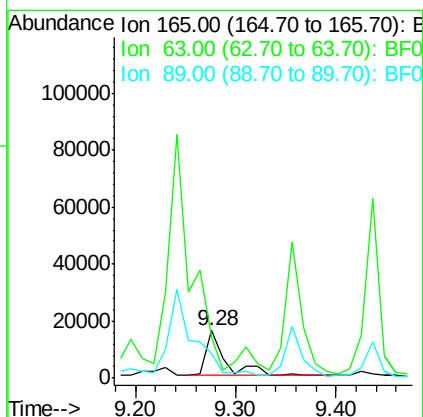
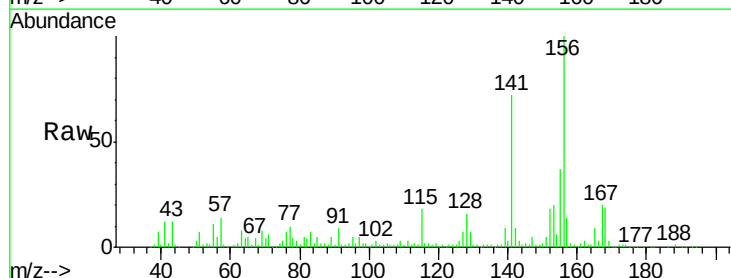
Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-01(8-12.5)

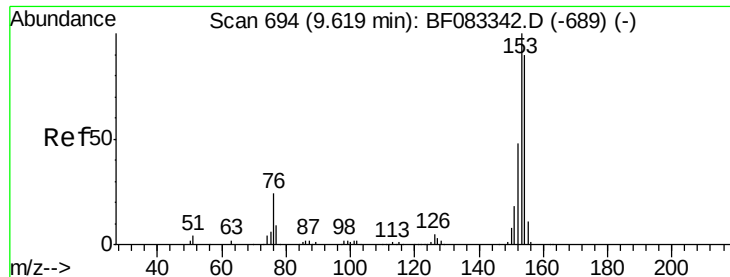
Tgt Ion:163 Resp: 402206  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.5 8.8 13.2



#50  
2,6-Dinitrotoluene  
Concen: 4.11 ng  
RT: 9.28 min Scan# 664  
Delta R.T. -0.11 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

Tgt Ion:165 Resp: 21787  
Ion Ratio Lower Upper  
165 100  
63 88.6 56.0 84.0#  
89 53.2 49.8 74.8





#51

Acenaphthene

Concen: 132.83 ng

RT: 9.62 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

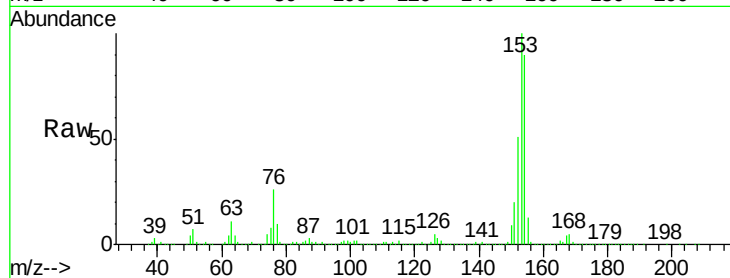
Tgt Ion:154 Resp: 2544319

Ion Ratio Lower Upper

154 100

153 110.6 89.3 133.9

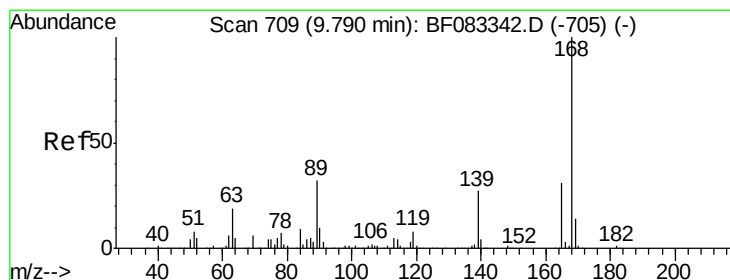
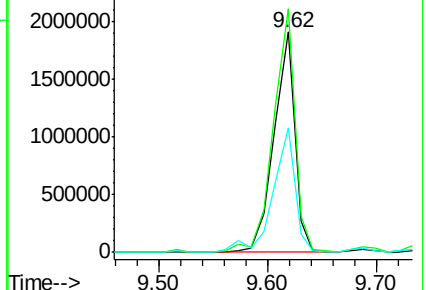
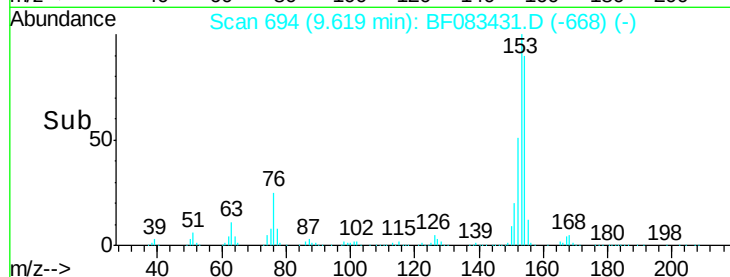
152 56.8 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 9.83 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

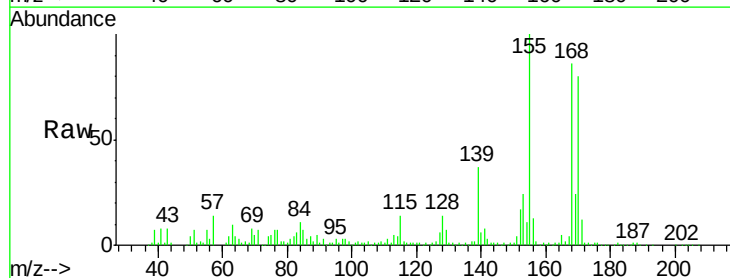
Tgt Ion:168 Resp: 276058

Ion Ratio Lower Upper

168 100

139 43.1 32.7 49.1

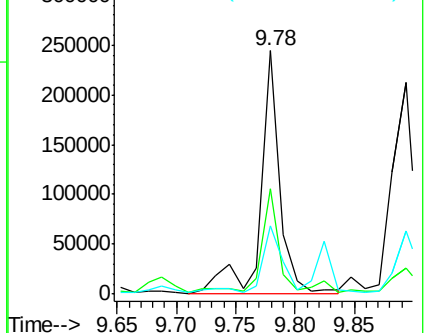
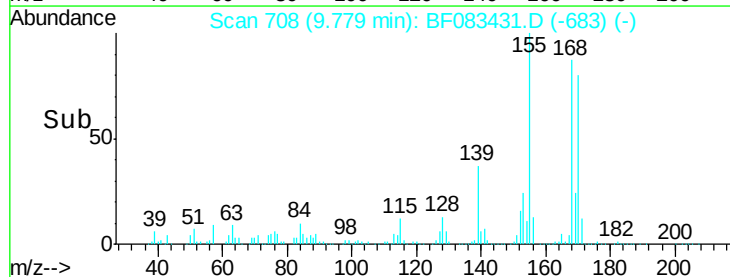
169 28.0 11.1 16.7#

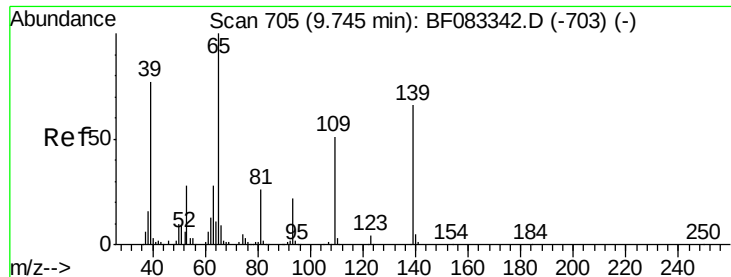


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

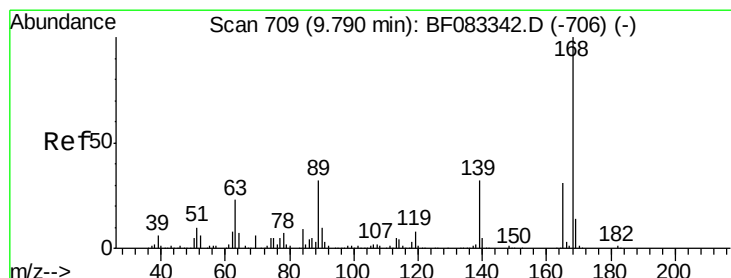
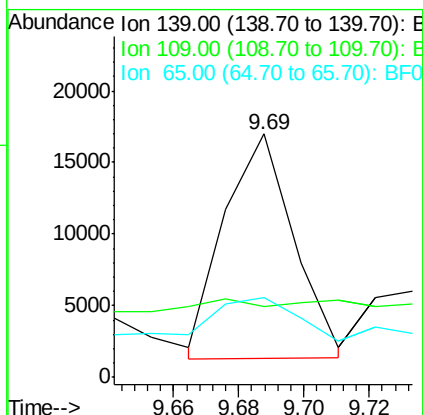
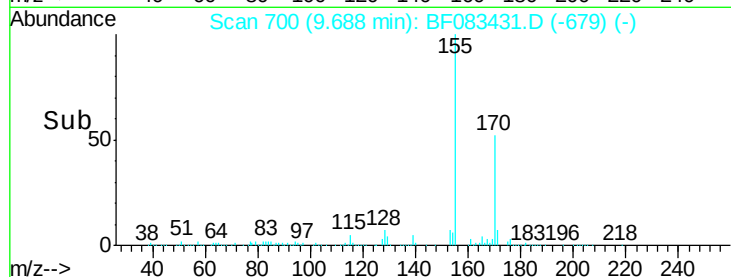
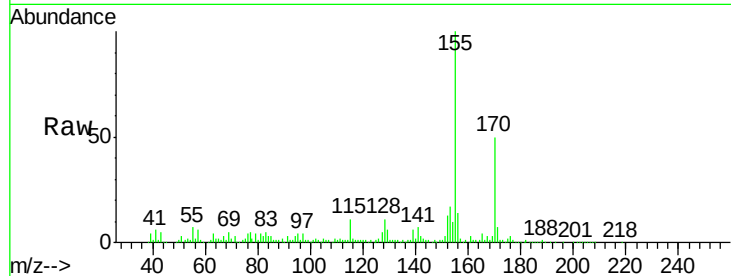




#55  
4-Nitrophenol  
Concen: 5.89 ng  
RT: 9.69 min Scan# 700  
Delta R.T. -0.06 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

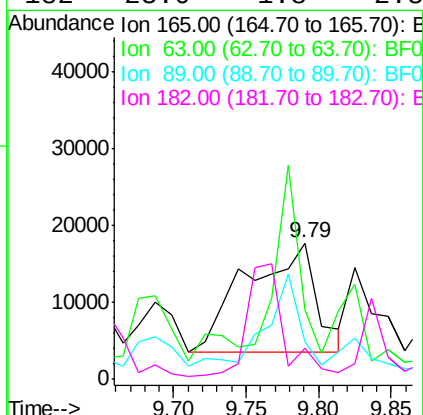
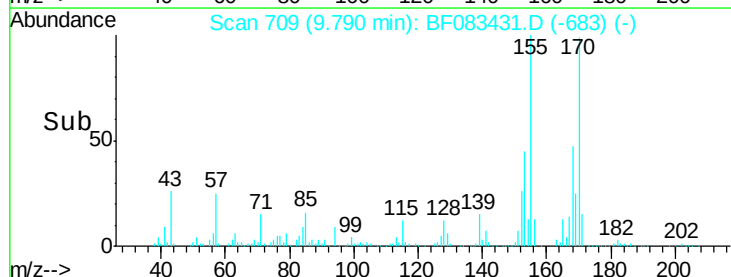
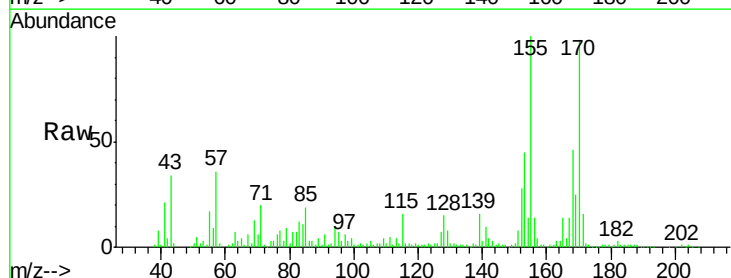
Instrument :  
BNA\_F  
ClientSampleId :  
SB-P3WC-01(8-12.5)

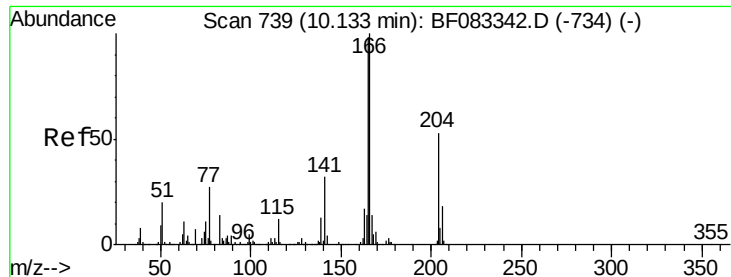
Tgt Ion:139 Resp: 22912  
Ion Ratio Lower Upper  
139 100  
109 29.3 57.4 97.4#  
65 32.5 131.6 171.6#



#56  
2,4-Dinitrotoluene  
Concen: 6.97 ng  
RT: 9.79 min Scan# 709  
Delta R.T. -0.00 min  
Lab File: BF083431.D  
Acq: 2 Dec 2015 21:49

Tgt Ion:165 Resp: 46901  
Ion Ratio Lower Upper  
165 100  
63 50.6 65.4 98.0#  
89 27.0 81.2 121.8#  
182 23.0 1.8 2.8#

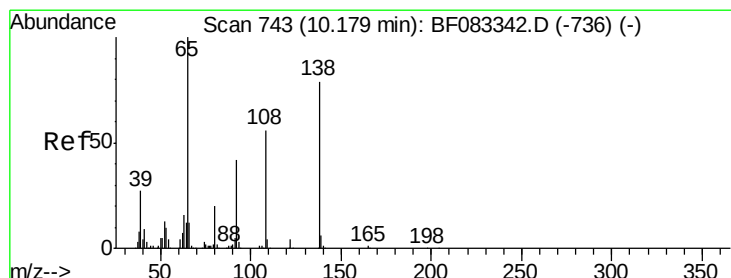
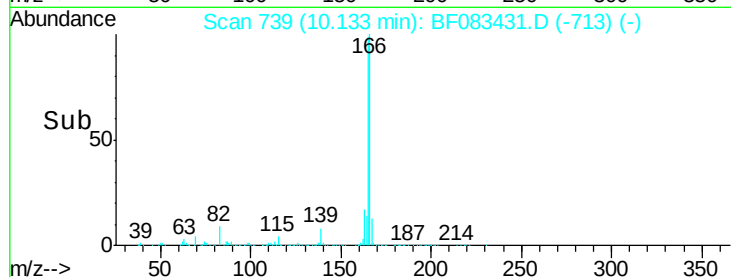
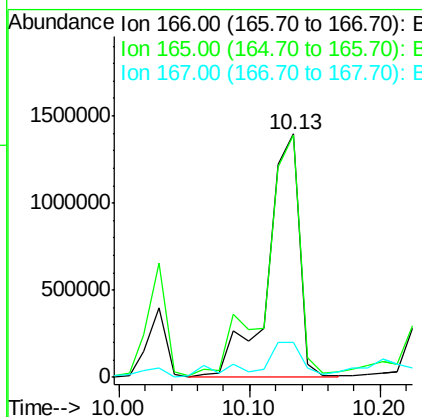
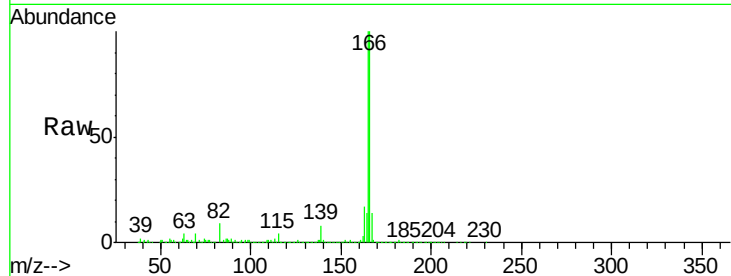




#57  
 Fluorene  
 Concen: 107.15 ng  
 RT: 10.13 min Scan# 739  
 Delta R.T. -0.00 min  
 Lab File: BF083431.D  
 Acq: 2 Dec 2015 21:49

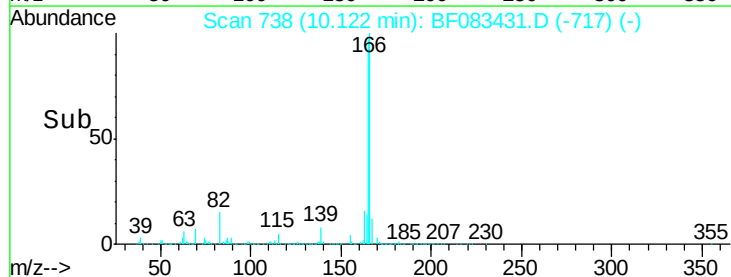
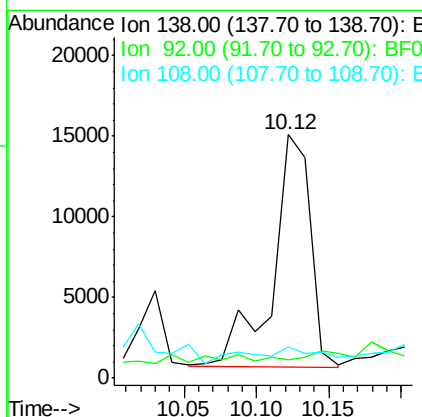
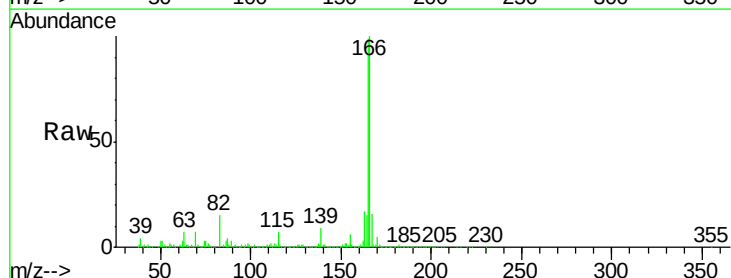
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-P3WC-01(8-12.5)

Tgt Ion:166 Resp: 2375081  
 Ion Ratio Lower Upper  
 166 100  
 165 99.7 78.3 117.5  
 167 14.3 11.1 16.7

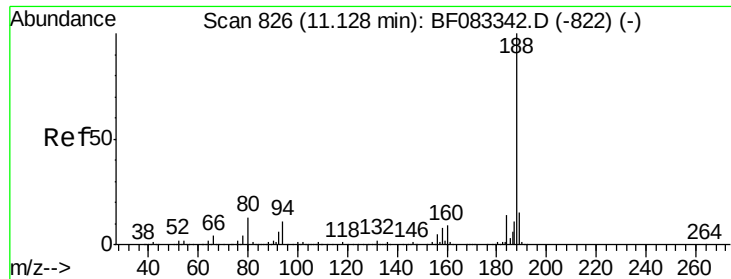


#61  
 4-Nitroaniline  
 Concen: 4.18 ng  
 RT: 10.12 min Scan# 738  
 Delta R.T. -0.06 min  
 Lab File: BF083431.D  
 Acq: 2 Dec 2015 21:49

Tgt Ion:138 Resp: 26019  
 Ion Ratio Lower Upper  
 138 100  
 92 7.7 33.6 73.6#  
 108 12.6 51.0 91.0#







#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

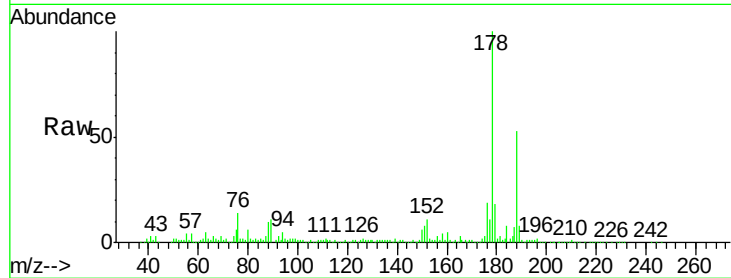
Tgt Ion:188 Resp: 507827

Ion Ratio Lower Upper

188 100

94 10.2 8.7 13.1

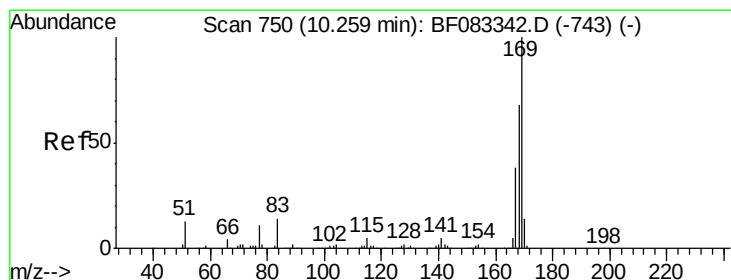
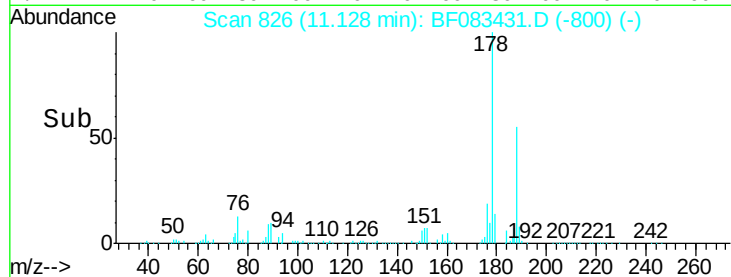
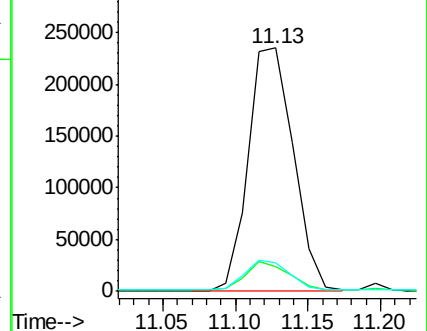
80 11.9 10.3 15.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 3.78 ng

RT: 10.24 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

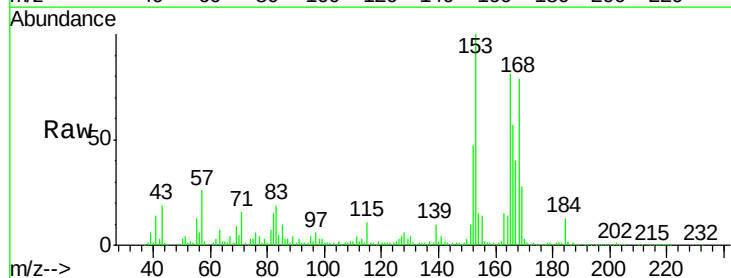
Tgt Ion:169 Resp: 67437

Ion Ratio Lower Upper

169 100

168 285.6 54.8 82.2#

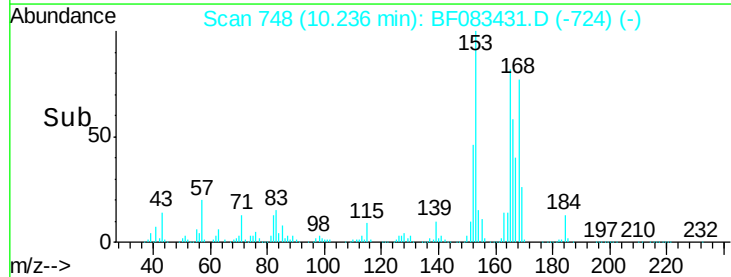
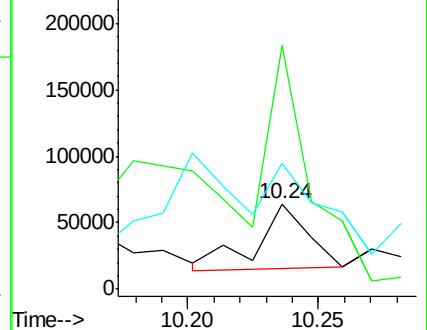
167 146.9 30.2 45.2#

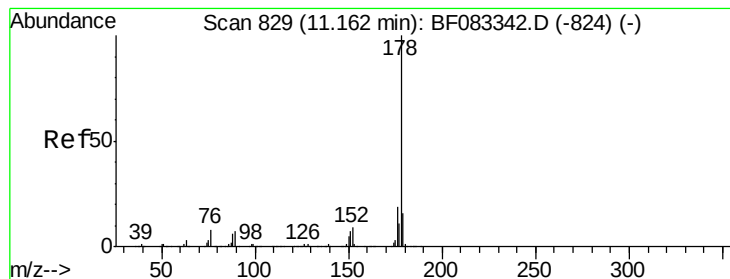


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 89.86 ng

RT: 11.22 min Scan# 834

Delta R.T. 0.06 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

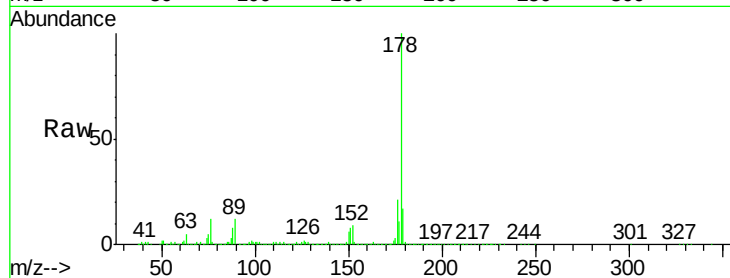
Tgt Ion:178 Resp: 2700564

Ion Ratio Lower Upper

178 100

176 20.7 15.3 22.9

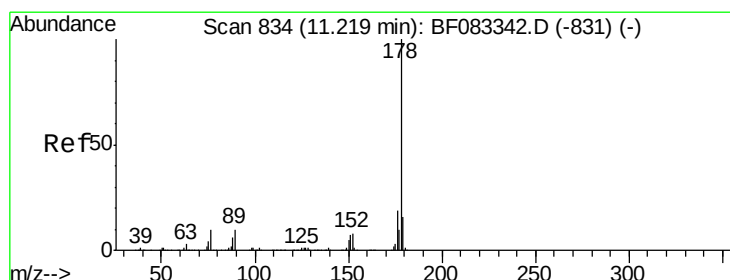
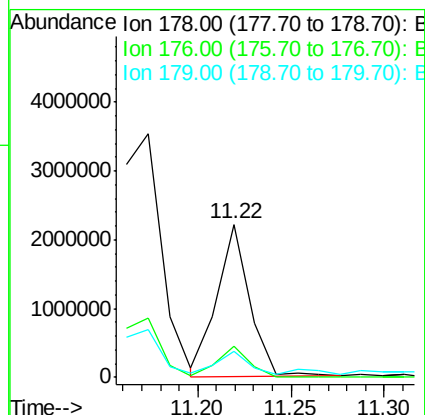
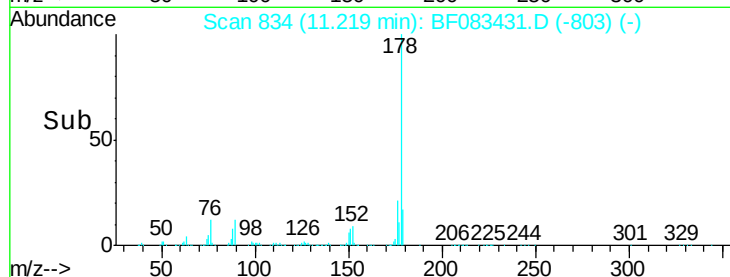
179 17.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 89.26 ng

RT: 11.22 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

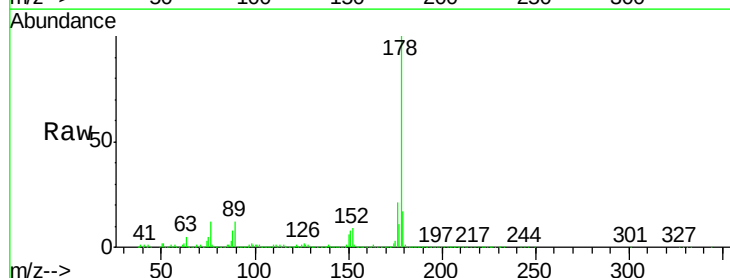
Tgt Ion:178 Resp: 2700564

Ion Ratio Lower Upper

178 100

176 20.7 15.6 23.4

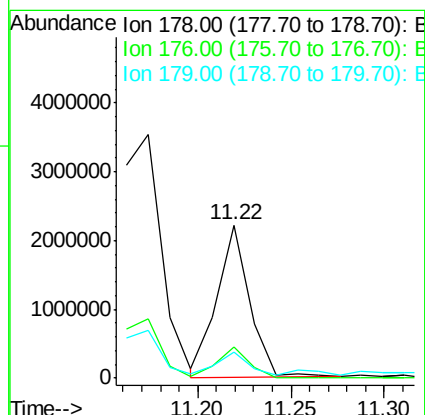
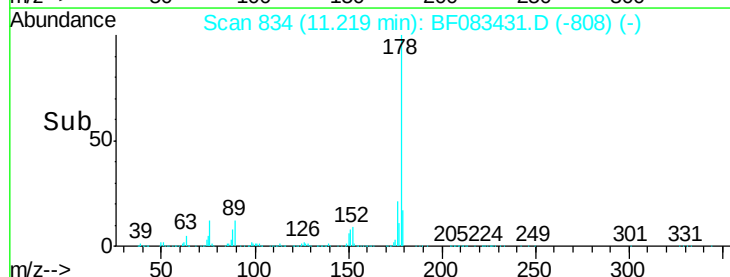
179 17.2 12.8 19.2

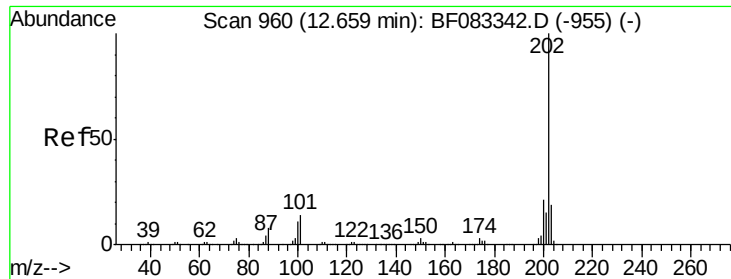


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 127.26 ng

RT: 12.67 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

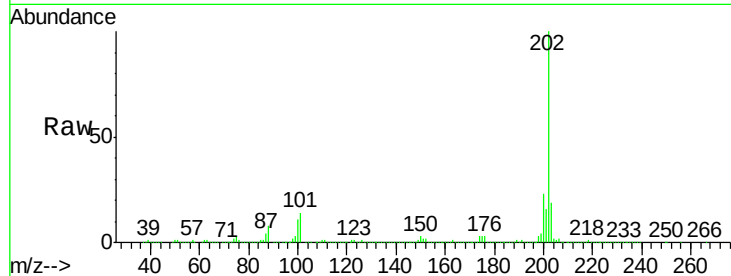
Tgt Ion:202 Resp: 3964348

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.5

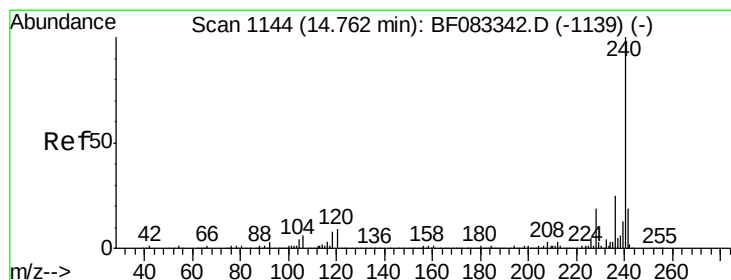
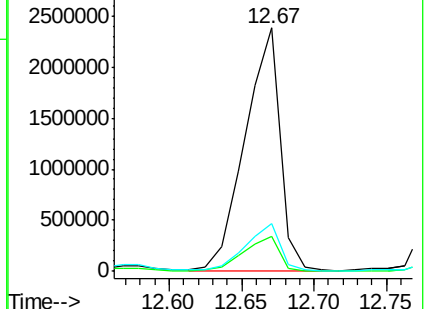
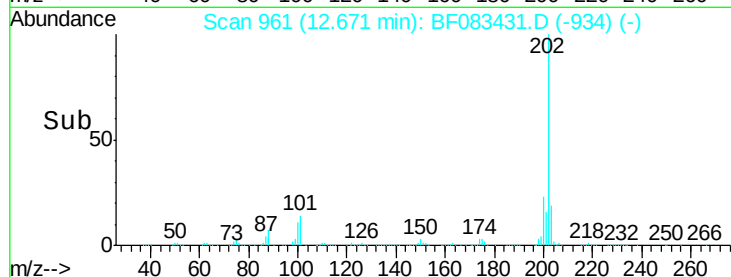
203 19.5 0.0 38.7



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: 14.74 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

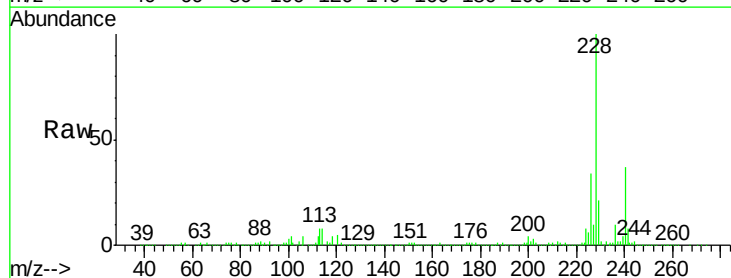
Tgt Ion:240 Resp: 348338

Ion Ratio Lower Upper

240 100

120 13.6 6.9 10.3#

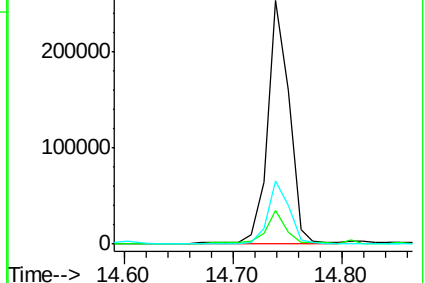
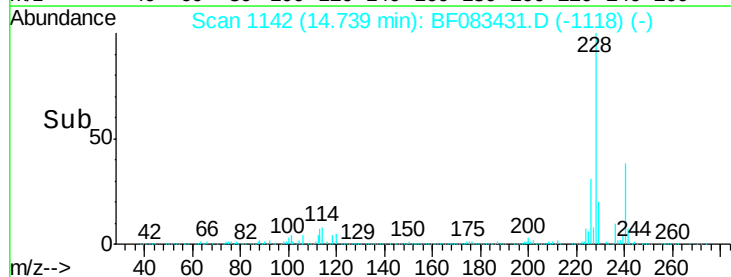
236 26.2 19.8 29.6

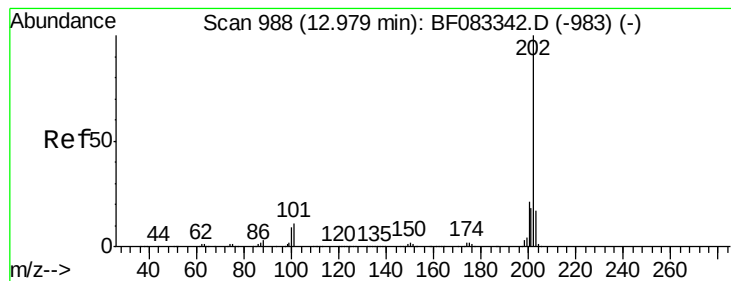


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 221.74 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

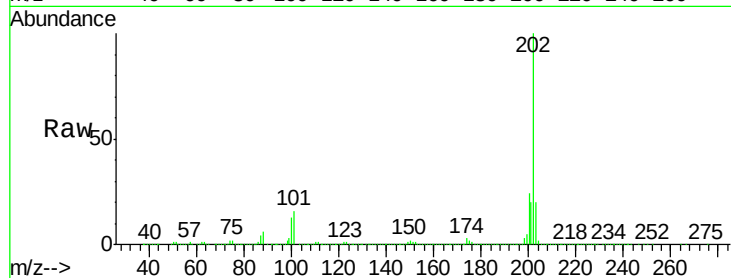
Tgt Ion:202 Resp: 5394316

Ion Ratio Lower Upper

202 100

200 24.3 16.9 25.3

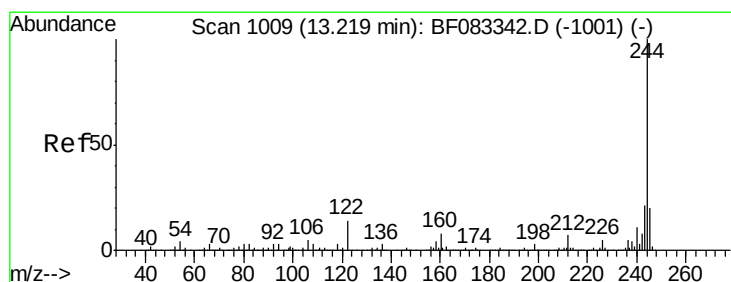
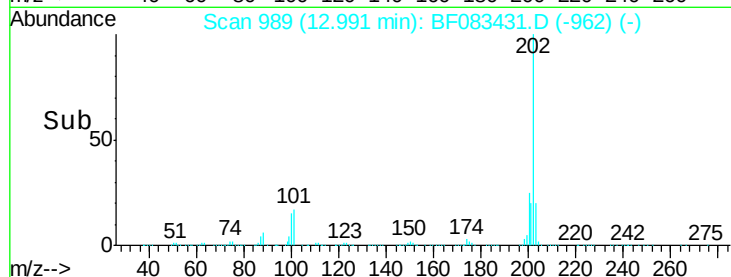
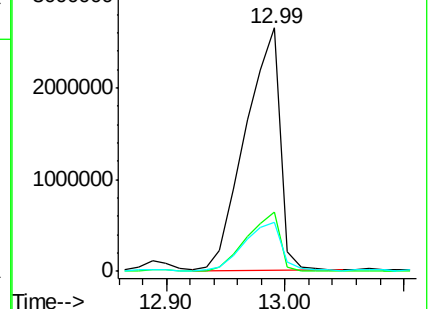
203 20.2 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 106.66 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

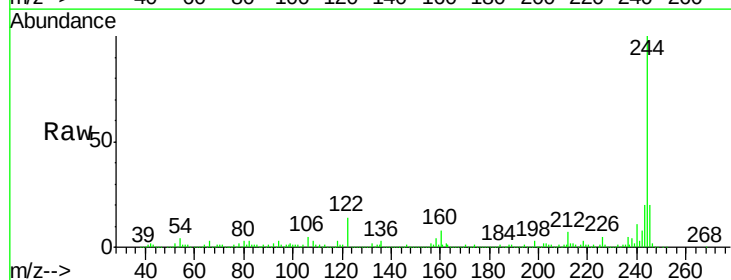
Tgt Ion:244 Resp: 1557905

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

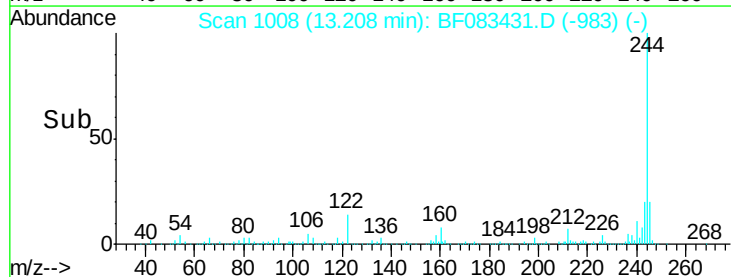
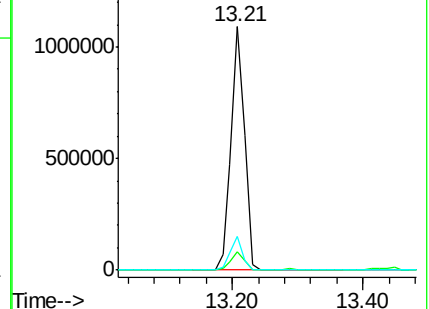
122 13.6 11.0 16.4

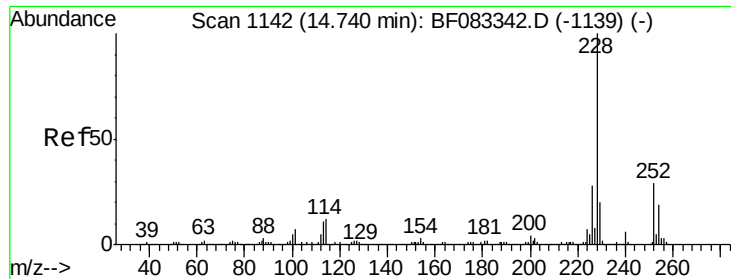


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 67.94 ng

RT: 14.79 min Scan# 1146

Delta R.T. 0.05 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

Tgt Ion:228 Resp: 1449889

Ion Ratio Lower Upper

228 100

226 31.6 22.2 33.4

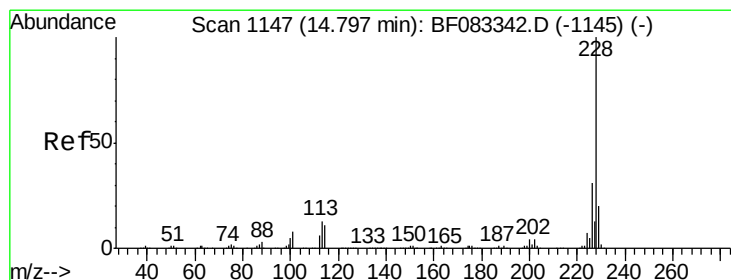
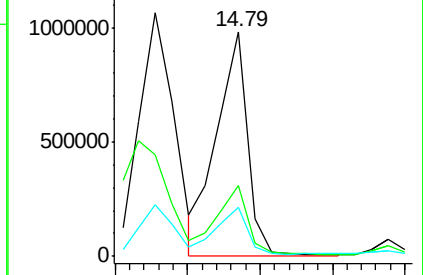
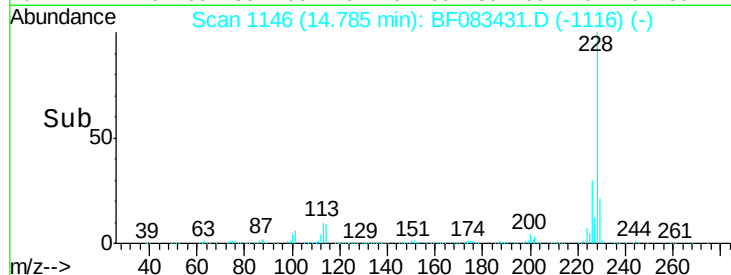
229 21.7 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 70.45 ng

RT: 14.79 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

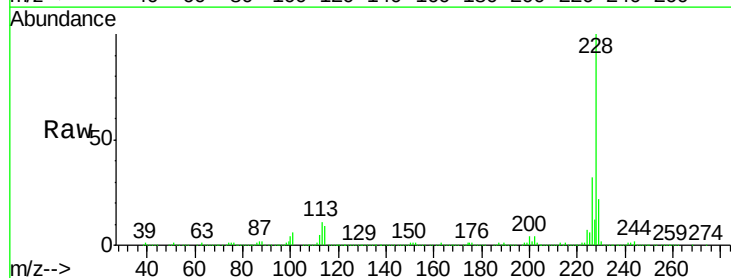
Tgt Ion:228 Resp: 1452518

Ion Ratio Lower Upper

228 100

226 31.6 24.6 37.0

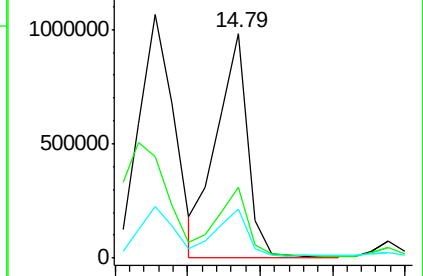
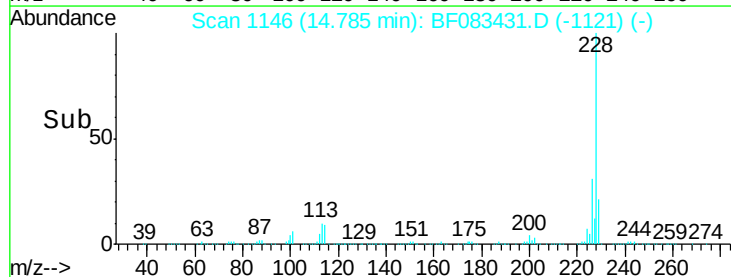
229 21.7 16.2 24.2

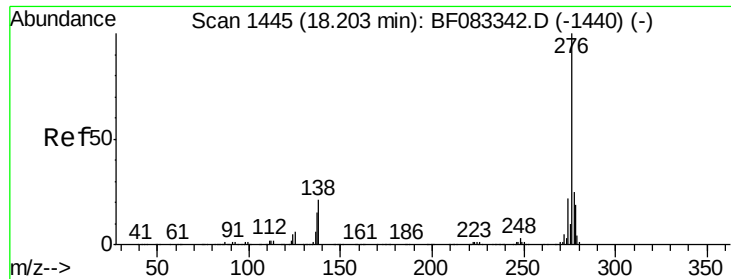


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 39.99 ng

RT: 18.18 min Scan# 1443

Delta R.T. -0.02 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

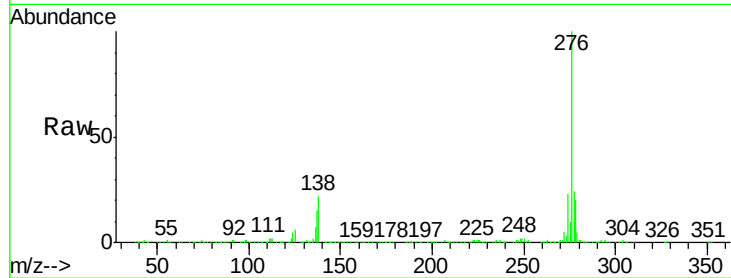
Tgt Ion:276 Resp: 600599

Ion Ratio Lower Upper

276 100

138 22.8 21.2 31.8

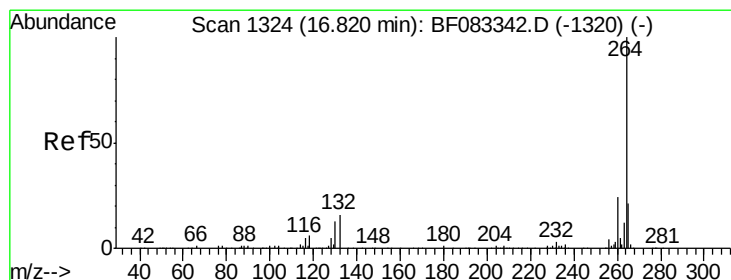
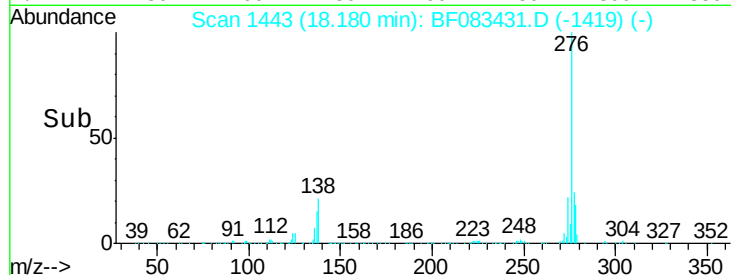
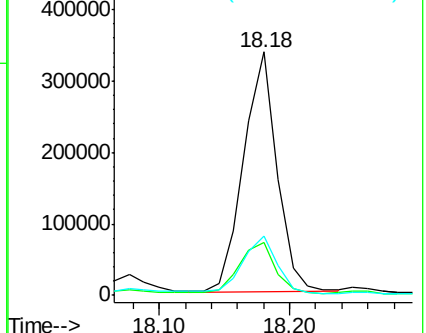
277 25.5 20.0 30.0



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: 16.80 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

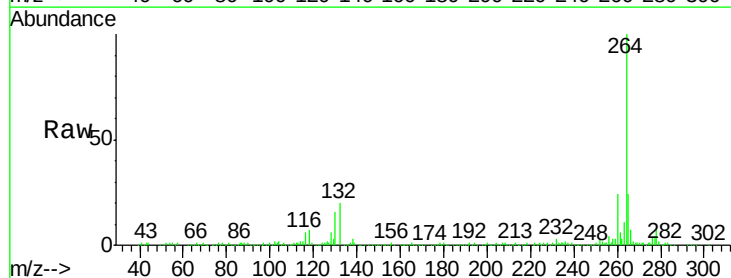
Tgt Ion:264 Resp: 354897

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

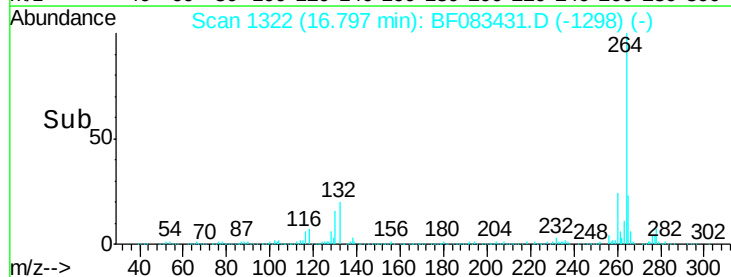
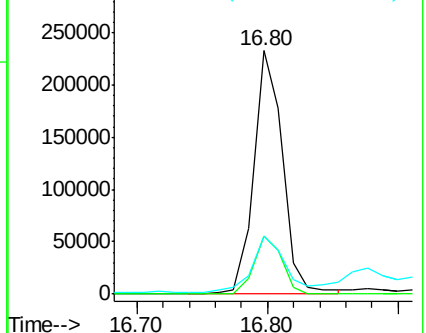
265 23.6 16.8 25.2

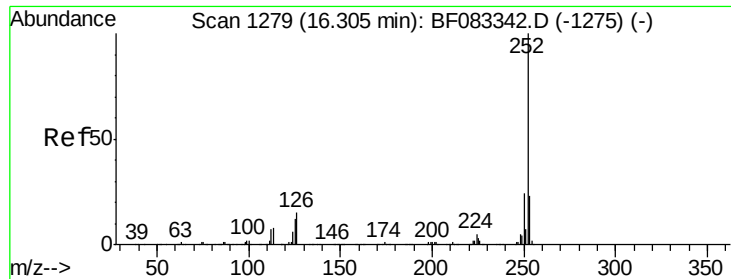


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 68.69 ng

RT: 16.29 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

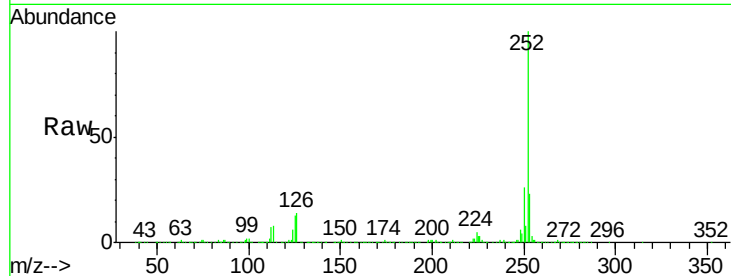
Tgt Ion:252 Resp: 1564289

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

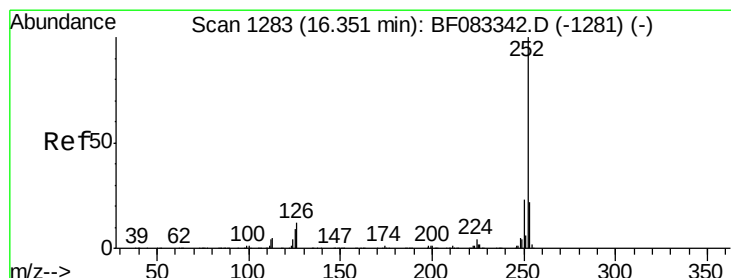
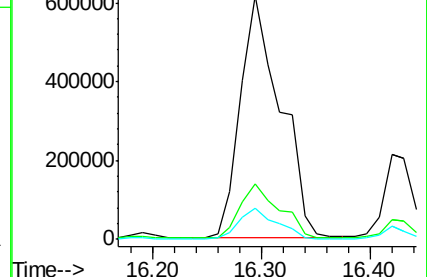
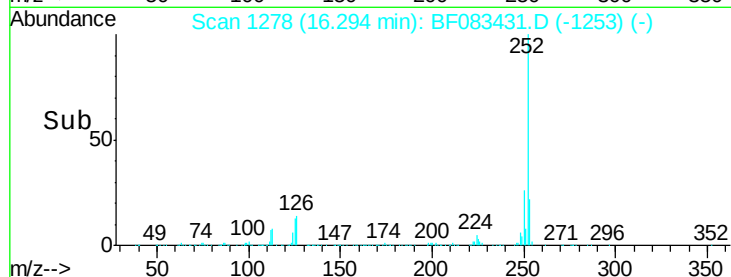
125 12.7 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 72.75 ng

RT: 16.29 min Scan# 1278

Delta R.T. -0.06 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

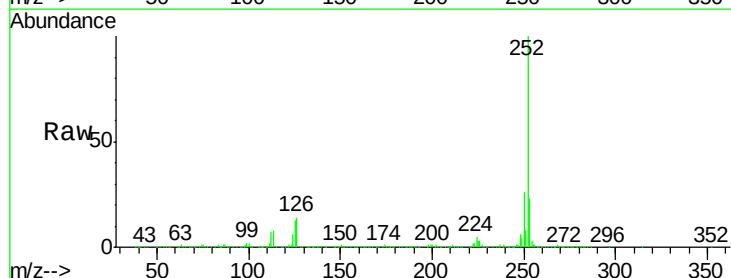
Tgt Ion:252 Resp: 1564289

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

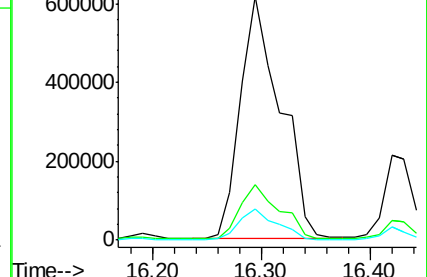
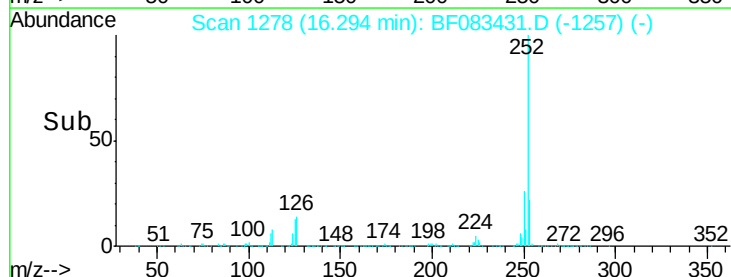
125 12.7 7.5 11.3#

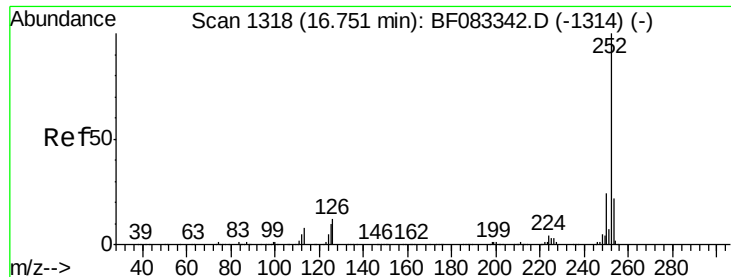


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 73.04 ng

RT: 16.74 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)

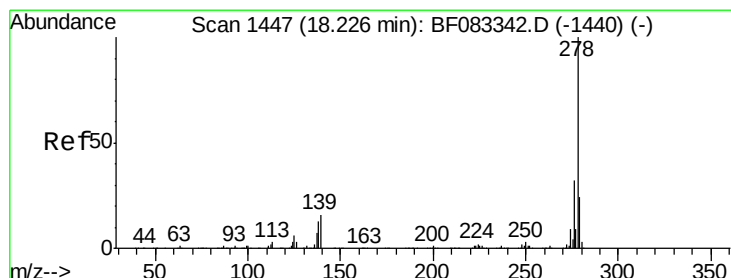
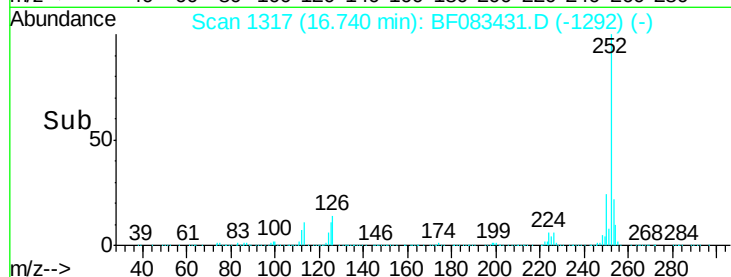
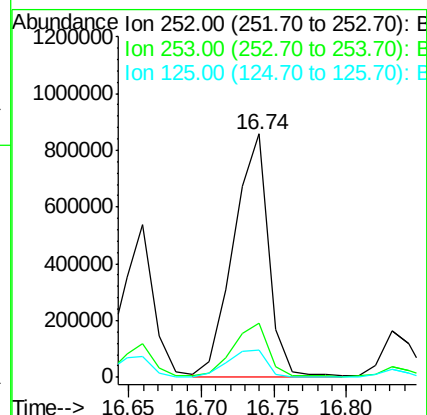
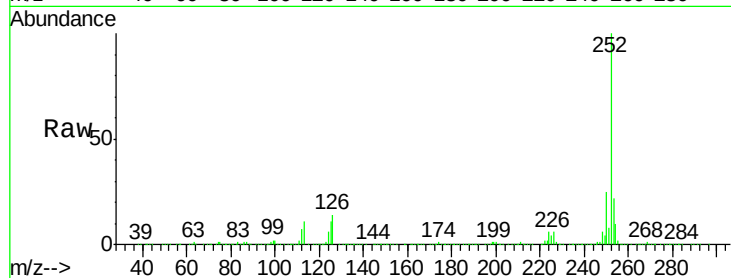
Tgt Ion:252 Resp: 1428681

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.2 7.8 11.8



#90

Dibenzo(a,h)anthracene

Concen: 9.60 ng

RT: 18.19 min Scan# 1444

Delta R.T. -0.03 min

Lab File: BF083431.D

Acq: 2 Dec 2015 21:49

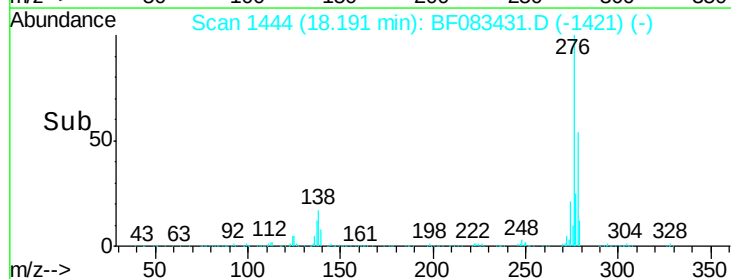
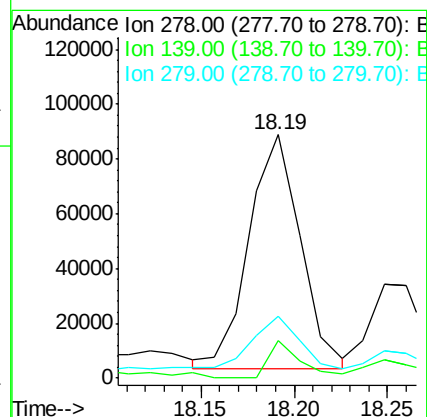
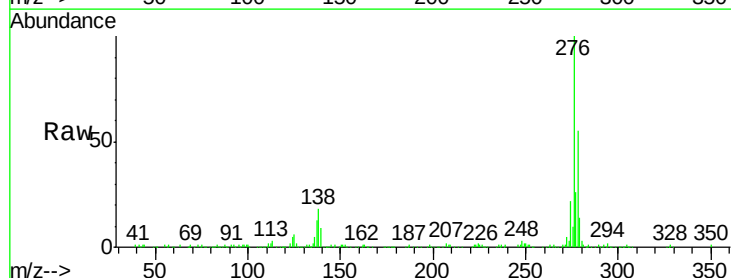
Tgt Ion:278 Resp: 163668

Ion Ratio Lower Upper

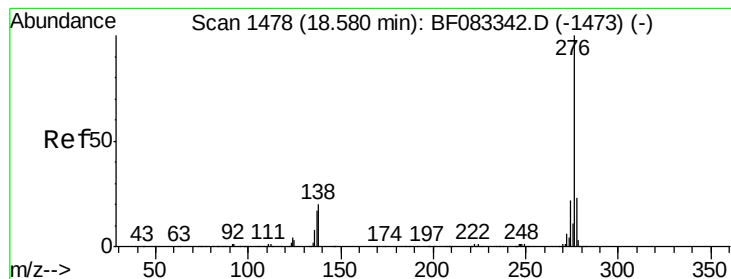
278 100

139 15.6 13.1 19.7

279 25.3 19.2 28.8







#91

Benzo(g,h,i)perylene

Concen: 40.56 ng

RT: 18.56 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF083431.D

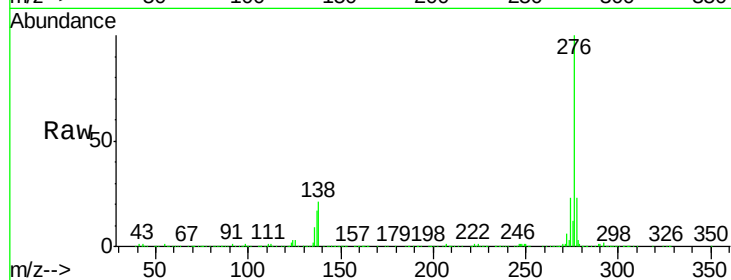
Acq: 2 Dec 2015 21:49

Instrument :

BNA\_F

ClientSampleId :

SB-P3WC-01(8-12.5)



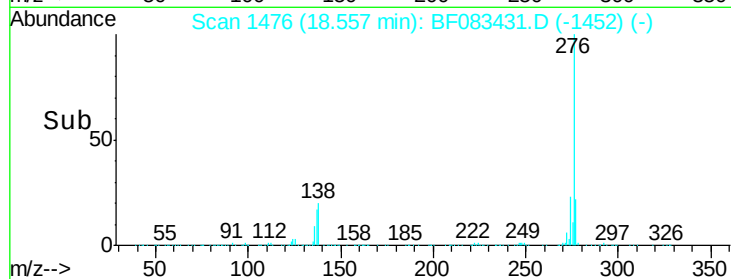
Tgt Ion: 276 Resp: 678475

Ion Ratio Lower Upper

276 100

277 22.7 18.6 28.0

138 20.7 16.1 24.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

