

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062416\  
 Data File : BF088346.D  
 Acq On : 24 Jun 2016 22:17  
 Operator : UM/SJ  
 Sample : H3598-01 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PM-STA-1363(0-4)

Quant Time: Jun 25 03:41:43 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 22 14:55:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 119806   | 20.00 | ng    | 0.14     |
| 21) Naphthalene-d8        | 7.87  | 136  | 309889   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.61  | 164  | 128455   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.10 | 188  | 200001   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.73 | 240  | 154089   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.09 | 264  | 137958   | 20.00 | ng    | -0.02    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.16  | 112 | 248251 | 35.42 | ng | -0.01 |
| 7) Phenol-d6                | 6.25  | 99  | 311884 | 36.72 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.15  | 82  | 193321 | 36.43 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.41 | 330 | 55655  | 41.03 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 8.95  | 172 | 397231 | 46.04 | ng | -0.02 |
| 78) Terphenyl-d14           | 12.67 | 244 | 254638 | 37.60 | ng | -0.02 |

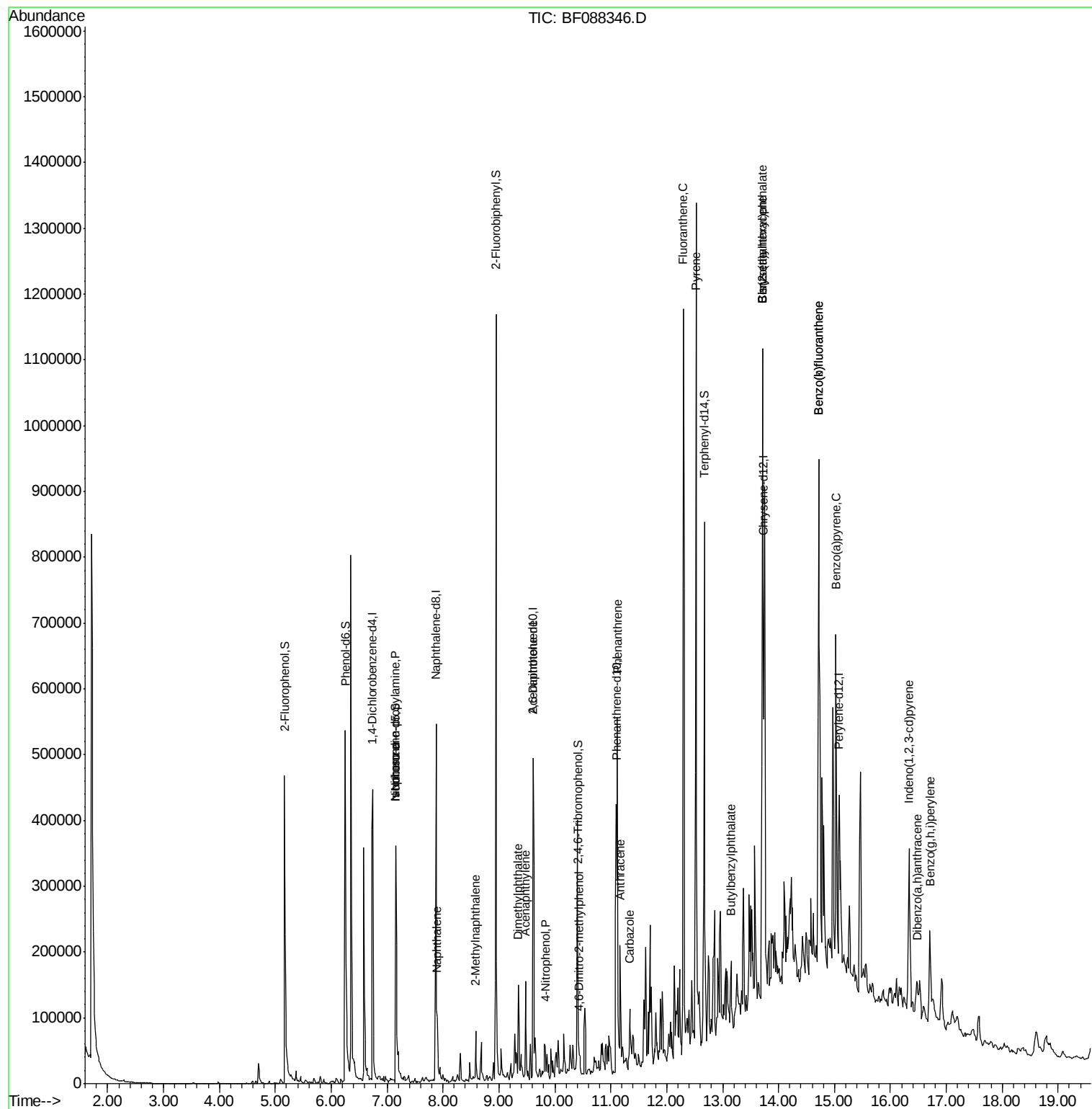
|                                |       |     |        |           |    |   |     |
|--------------------------------|-------|-----|--------|-----------|----|---|-----|
| Target Compounds               |       |     |        | Qvalue    |    |   |     |
| 10) Phenol                     | 6.35  | 94  | 875    | Below Cal | #  | 1 |     |
| 19) n-Nitroso-di-n-propylamine | 7.15  | 70  | 26042  | 4.79      | ng | # | 72  |
| 25) Isophorone                 | 7.15  | 82  | 193318 | 19.67     | ng | # | 65  |
| 31) Naphthalene                | 7.90  | 128 | 51378  | 3.35      | ng |   | 98  |
| 37) 2-Methylnaphthalene        | 8.58  | 142 | 28893  | 2.86      | ng |   | 96  |
| 45) 1,1'-Biphenyl              | 9.05  | 154 | 5359   | Below Cal |    |   | 97  |
| 48) Acenaphthylene             | 9.47  | 152 | 83774  | 6.34      | ng |   | 99  |
| 49) Dimethylphthalate          | 9.35  | 163 | 49842  | 5.36      | ng |   | 99  |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165 | 17694  | 8.30      | ng | # | 42  |
| 55) 4-Nitrophenol              | 9.83  | 139 | 8373   | 4.39      | ng | # | 8   |
| 57) Fluorene                   | 10.16 | 166 | 17621  | Below Cal | #  |   | 94  |
| 64) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 215    | 2.33      | ng | # | 27  |
| 70) Phenanthrene               | 11.12 | 178 | 259233 | 24.70     | ng |   | 97  |
| 71) Anthracene                 | 11.16 | 178 | 99033  | 9.35      | ng |   | 98  |
| 72) Carbazole                  | 11.34 | 167 | 48439  | 4.89      | ng |   | 99  |
| 74) Fluoranthene               | 12.30 | 202 | 584203 | 52.75     | ng |   | 96  |
| 77) Pyrene                     | 12.53 | 202 | 559256 | 48.91     | ng |   | 100 |
| 79) Butylbenzylphthalate       | 13.15 | 149 | 26902  | 5.32      | ng |   | 97  |
| 80) Benzo(a)anthracene         | 13.71 | 228 | 393516 | 44.81     | ng |   | 93  |
| 82) Chrysene                   | 13.71 | 228 | 393516 | 47.64     | ng |   | 98  |
| 83) Bis(2-ethylhexyl)phthalate | 13.71 | 149 | 37264  | 6.06      | ng | # | 99  |
| 85) Indeno(1,2,3-cd)pyrene     | 16.33 | 276 | 140843 | 18.35     | ng | # | 100 |
| 87) Benzo(b)fluoranthene       | 14.72 | 252 | 569441 | 59.22     | ng | # | 96  |
| 88) Benzo(k)fluoranthene       | 14.72 | 252 | 569441 | 78.51     | ng |   | 99  |
| 89) Benzo(a)pyrene             | 15.03 | 252 | 247079 | 31.76     | ng |   | 98  |
| 90) Dibenzo(a,h)anthracene     | 16.48 | 278 | 24766  | 3.43      | ng |   | 95  |
| 91) Benzo(g,h,i)perylene       | 16.71 | 276 | 119479 | 16.08     | ng |   | 98  |

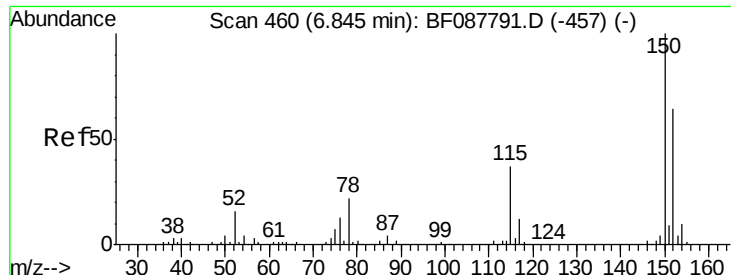
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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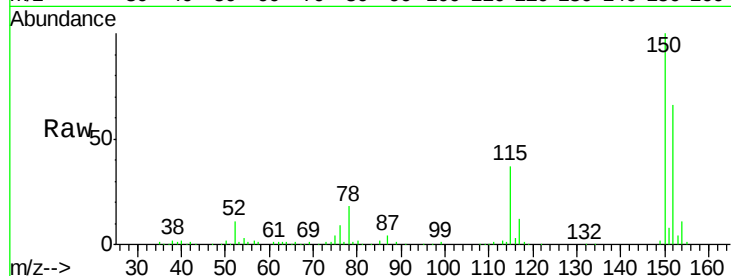




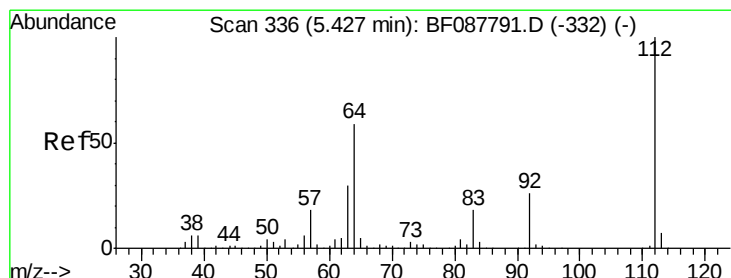
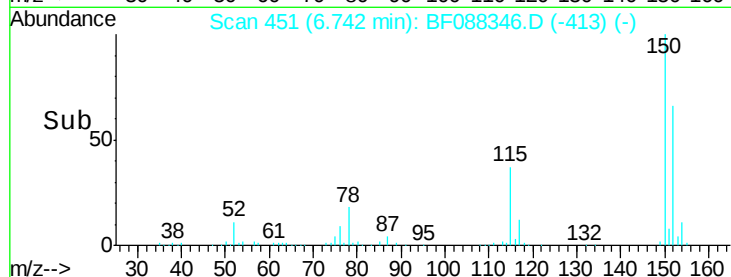
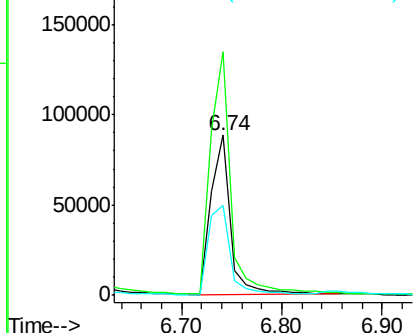
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.74 min Scan# 451  
 Delta R.T. 0.14 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PM-STA-1363(0-4)

Tgt Ion:152 Resp: 119806  
 Ion Ratio Lower Upper  
 152 100  
 150 152.3 123.8 185.6  
 115 55.9 39.6 59.4

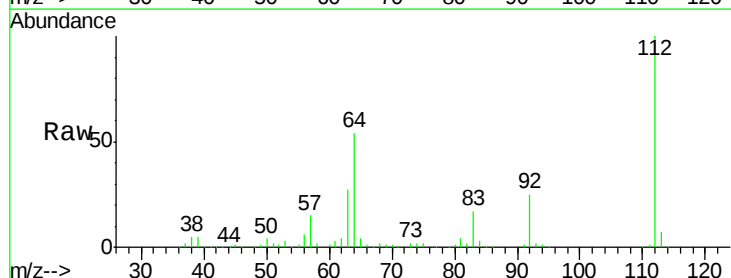


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

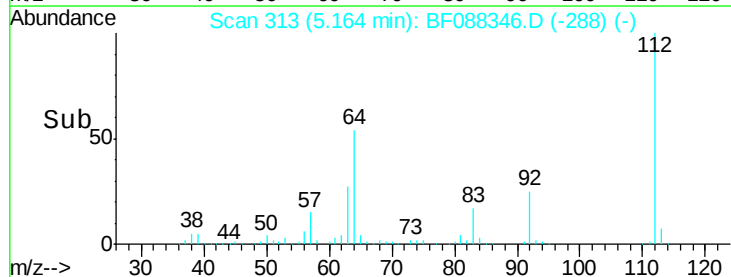
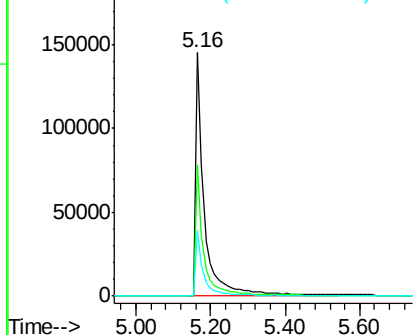


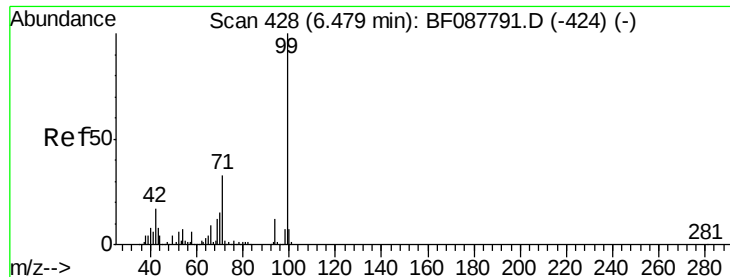
#5  
 2-Fluorophenol  
 Concen: 35.42 ng  
 RT: 5.16 min Scan# 313  
 Delta R.T. -0.01 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

Tgt Ion:112 Resp: 248251  
 Ion Ratio Lower Upper  
 112 100  
 64 54.0 42.2 63.2  
 63 27.2 21.8 32.8



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: 36.72 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

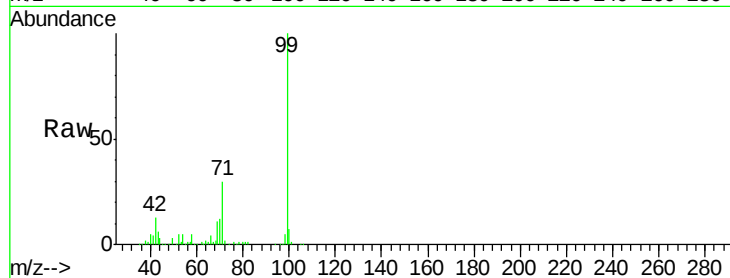
Tgt Ion: 99 Resp: 311884

Ion Ratio Lower Upper

99 100

42 12.7 12.2 18.2

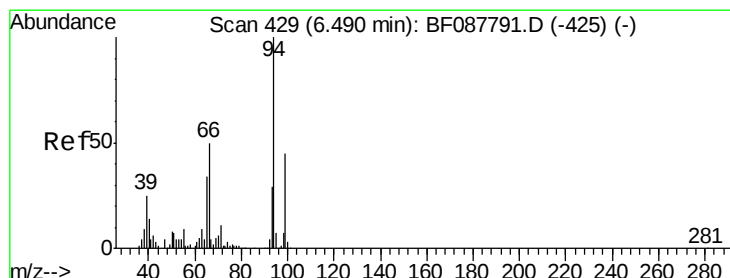
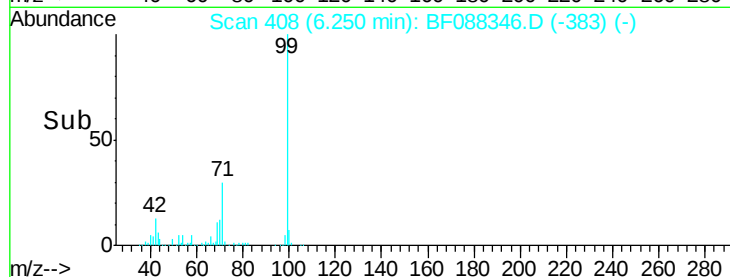
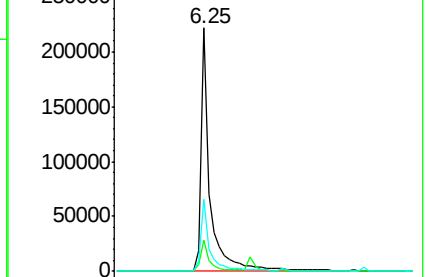
71 29.7 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. 0.08 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

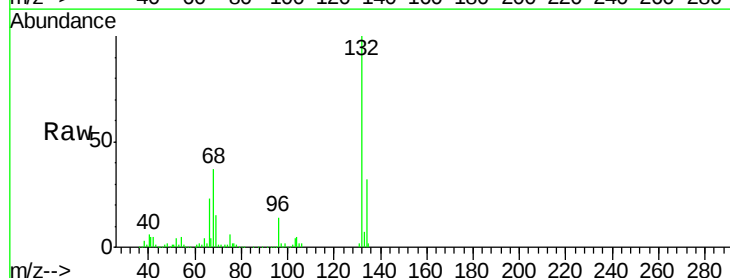
Tgt Ion: 94 Resp: 875

Ion Ratio Lower Upper

94 100

65 709.2 5.9 45.9#

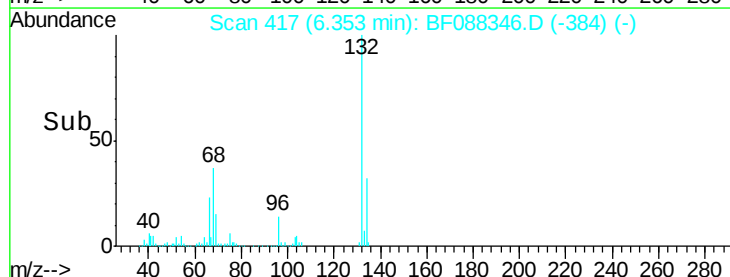
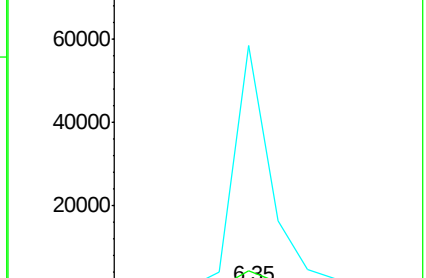
66 9150.5 14.0 54.0#

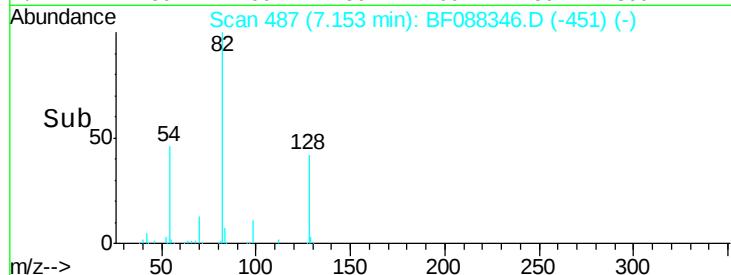
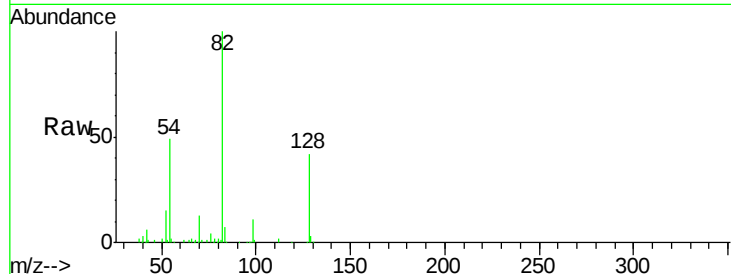
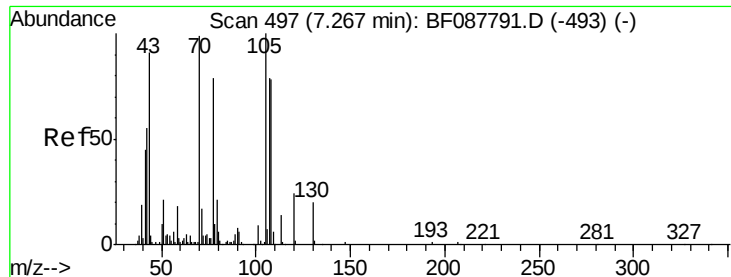


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

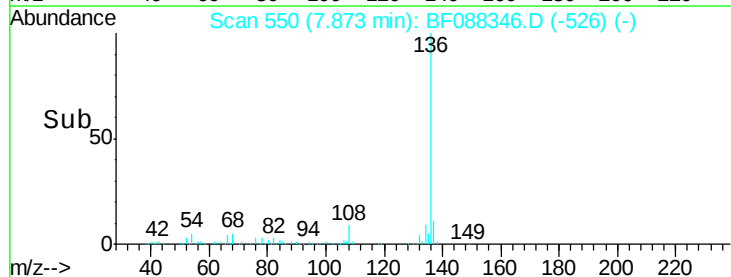
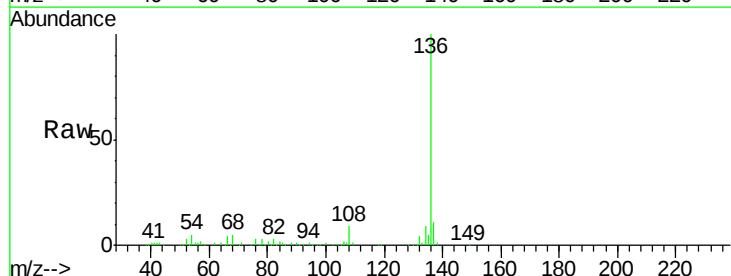
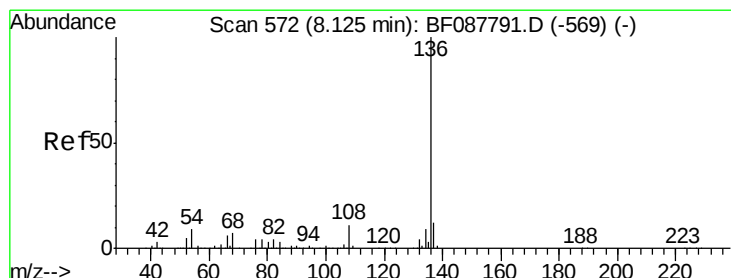
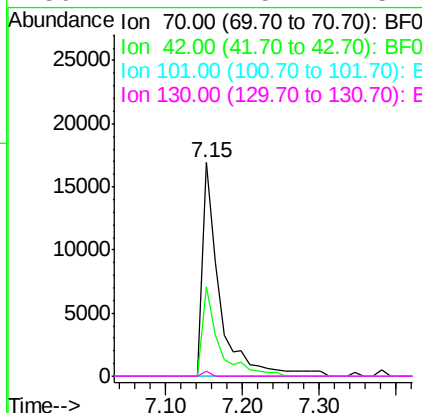




#19  
n-Nitroso-di-n-propylamine  
Concen: 4.79 ng  
RT: 7.15 min Scan# 487  
Delta R.T. 0.11 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

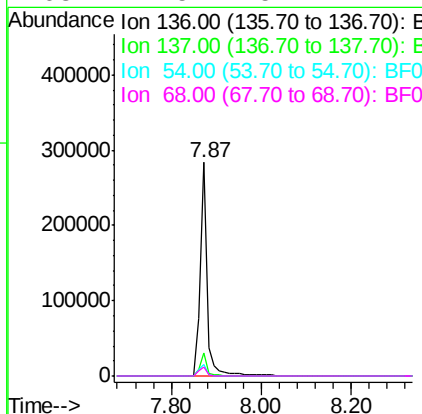
Instrument :  
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PM-STA-1363(0-4)

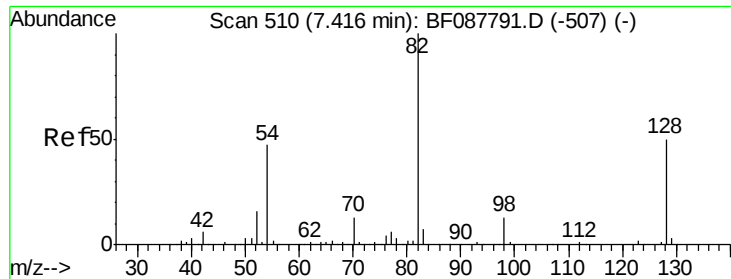
Tgt Ion: 70 Resp: 26042  
Ion Ratio Lower Upper  
70 100  
42 42.1 49.6 74.4#  
101 0.0 7.1 10.7#  
130 2.1 15.4 23.2#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.87 min Scan# 550  
Delta R.T. -0.02 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

Tgt Ion: 136 Resp: 309889  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.1 13.7  
54 5.4 6.6 10.0#  
68 4.5 5.1 7.7#

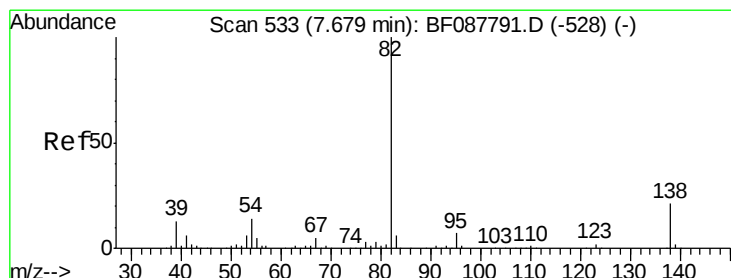
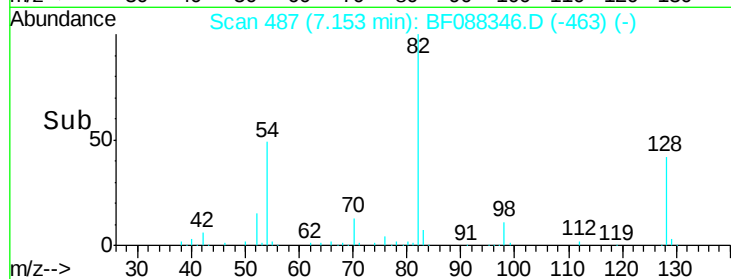
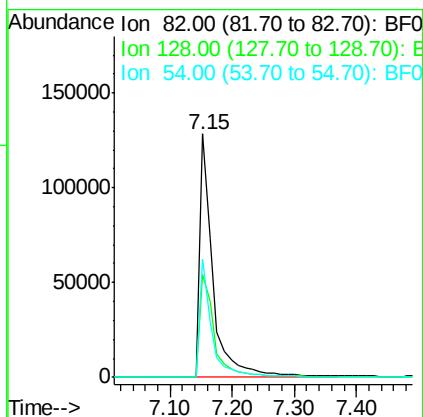
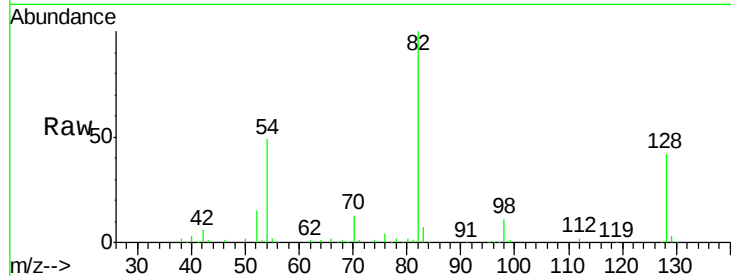




#23  
 Nitrobenzene-d5  
 Concen: 36.43 ng  
 RT: 7.15 min Scan# 487  
 Delta R.T. -0.02 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

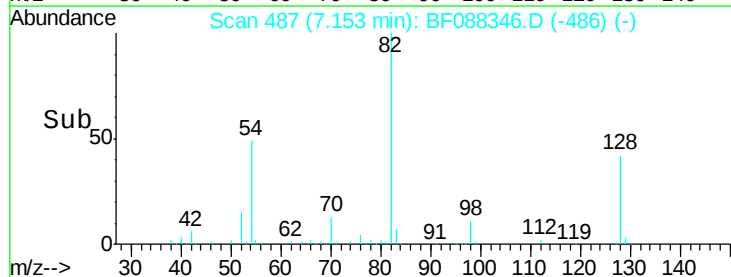
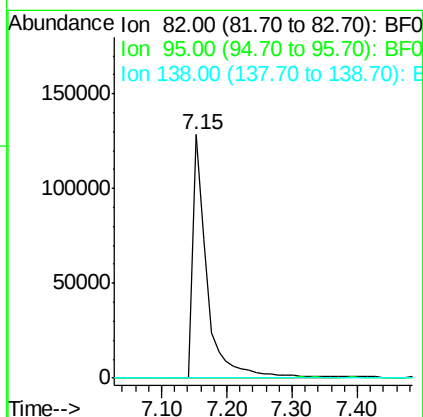
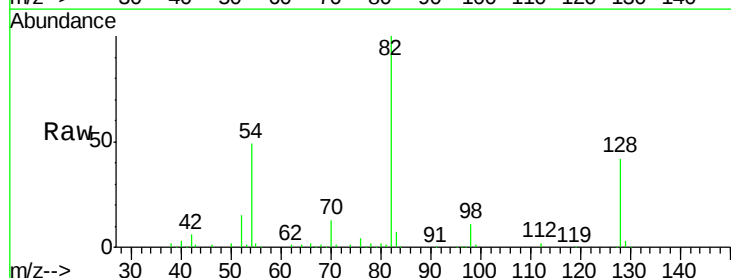
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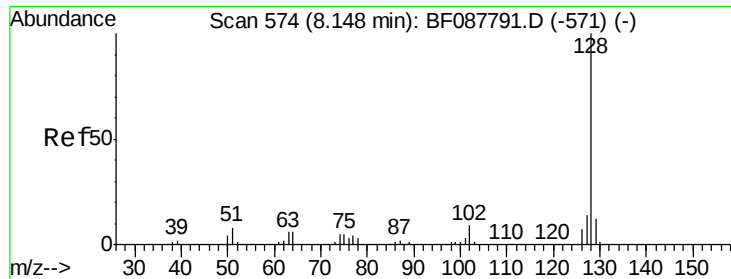
Tgt Ion: 82 Resp: 193321  
 Ion Ratio Lower Upper  
 82 100  
 128 42.1 35.9 53.9  
 54 48.7 40.9 61.3



#25  
 Isophorone  
 Concen: 19.67 ng  
 RT: 7.15 min Scan# 487  
 Delta R.T. -0.29 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

Tgt Ion: 82 Resp: 193318  
 Ion Ratio Lower Upper  
 82 100  
 95 0.3 5.4 8.2#  
 138 0.0 14.6 21.8#

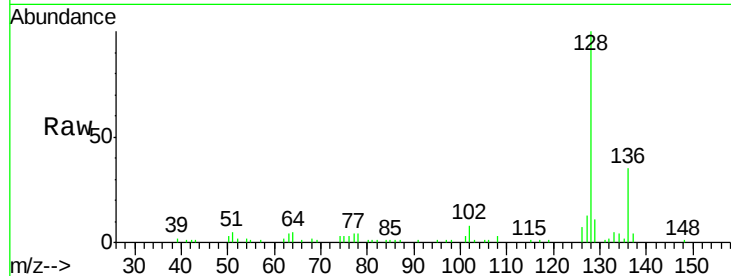




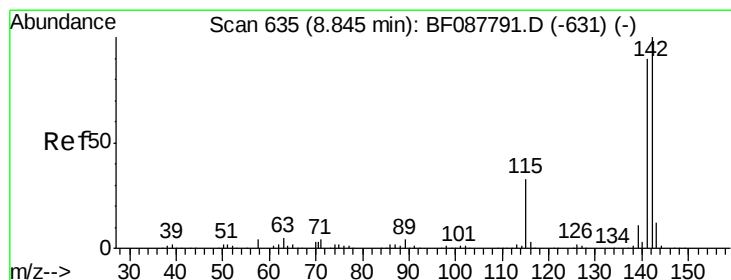
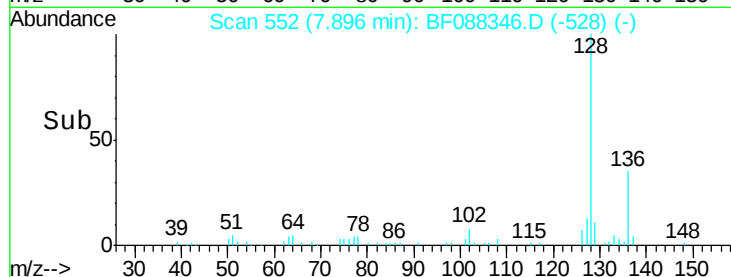
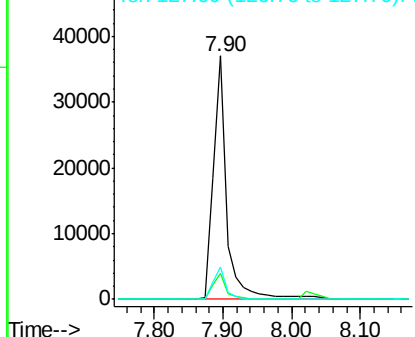
#31  
Naphthalene  
Concen: 3.35 ng  
RT: 7.90 min Scan# 552  
Delta R.T. -0.02 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

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BNA\_F  
ClientSampleId :  
PM-STA-1363(0-4)

Tgt Ion:128 Resp: 51378  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.4 14.2  
127 13.2 10.9 16.3

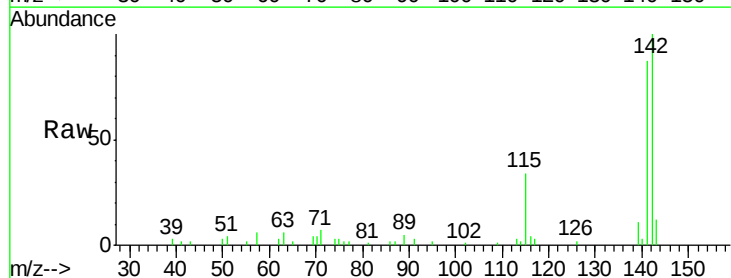


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

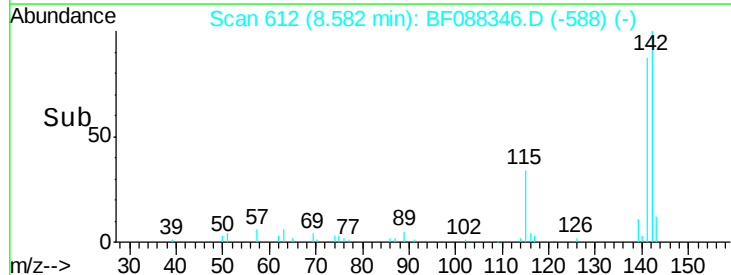
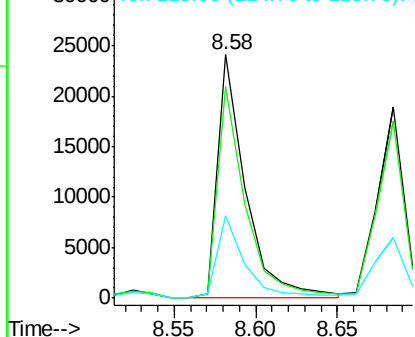


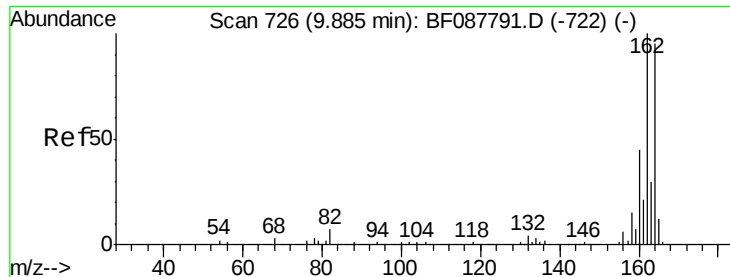
#37  
2-Methylnaphthalene  
Concen: 2.86 ng  
RT: 8.58 min Scan# 612  
Delta R.T. -0.02 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

Tgt Ion:142 Resp: 28893  
Ion Ratio Lower Upper  
142 100  
141 87.1 71.0 106.6  
115 33.6 22.6 33.8



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

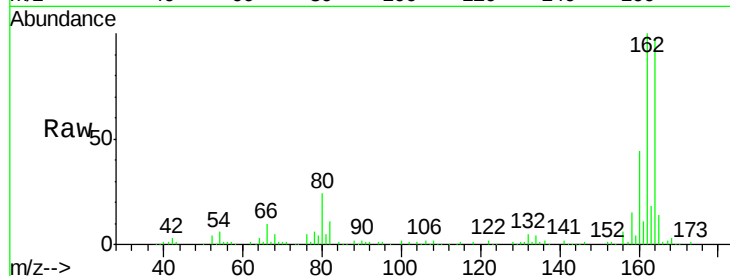




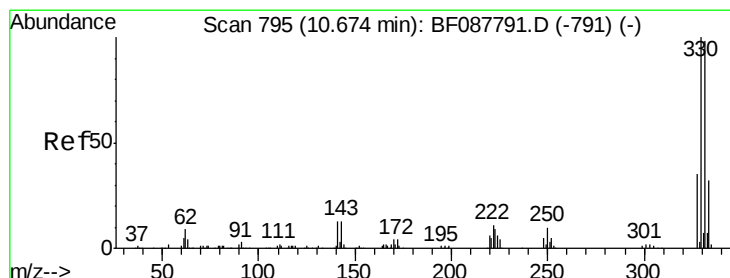
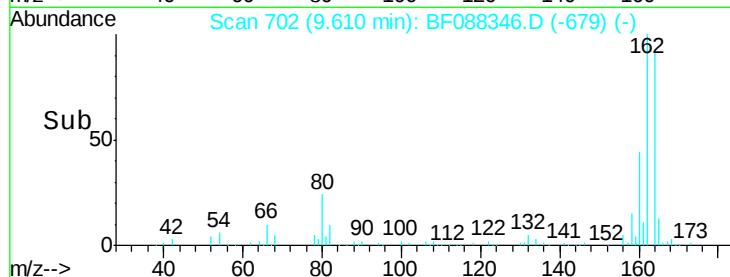
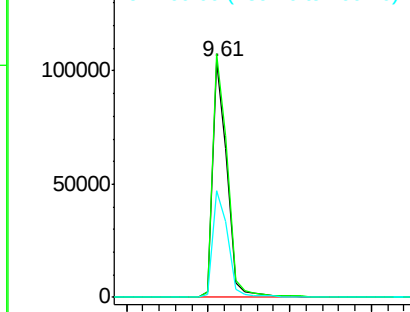
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.61 min Scan# 702  
Delta R.T. -0.03 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

Instrument :  
BNA\_F  
ClientSampleId :  
PM-STA-1363(0-4)

Tgt Ion:164 Resp: 128455  
Ion Ratio Lower Upper  
164 100  
162 103.4 85.4 128.2  
160 45.4 39.5 59.3

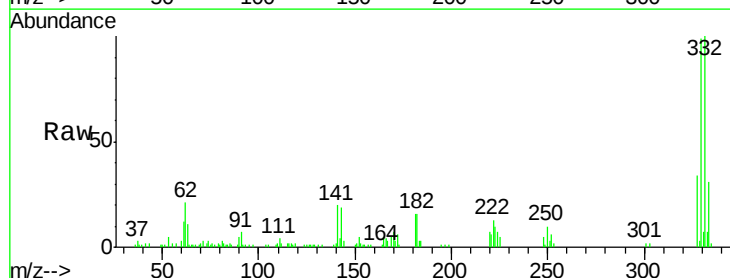


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

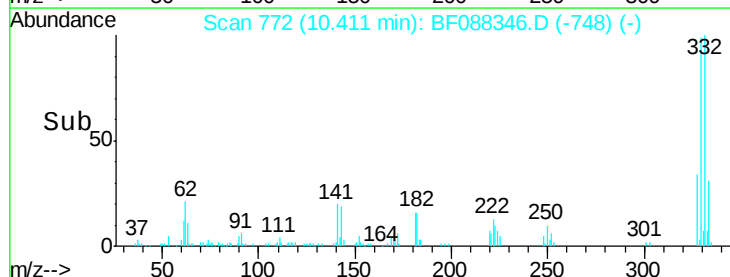
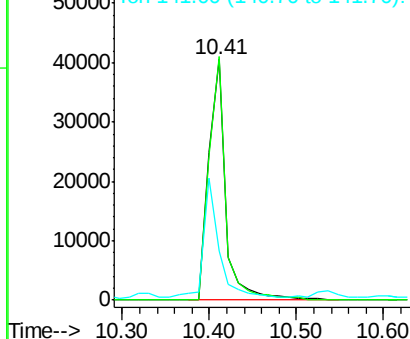


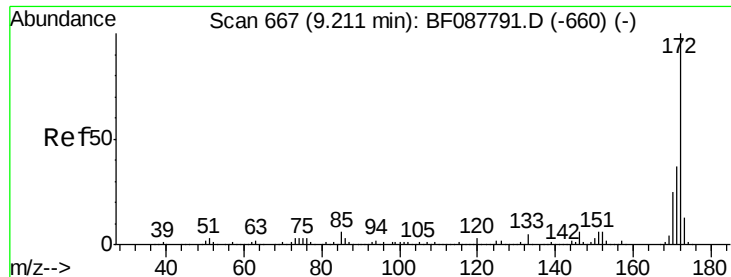
#41  
2,4,6-Tribromophenol  
Concen: 41.03 ng  
RT: 10.41 min Scan# 772  
Delta R.T. -0.02 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

Tgt Ion:330 Resp: 55655  
Ion Ratio Lower Upper  
330 100  
332 98.5 0.0 0.0#  
141 47.4 0.0 0.0#



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

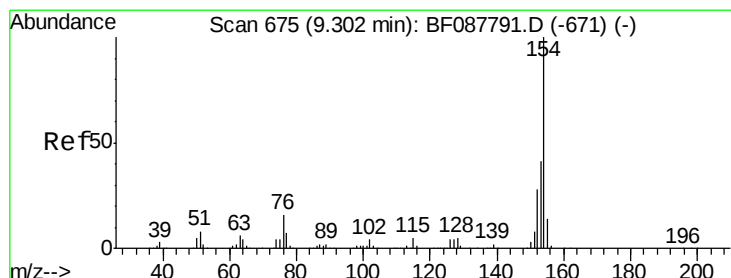
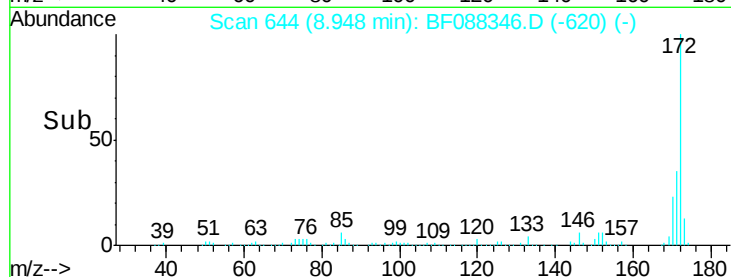
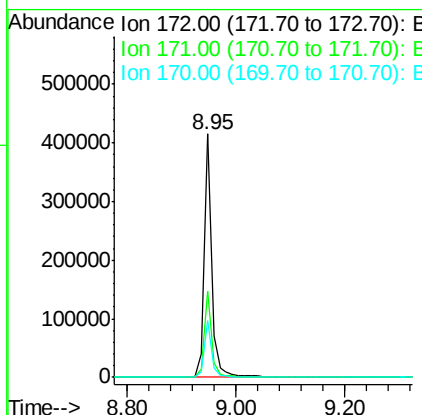
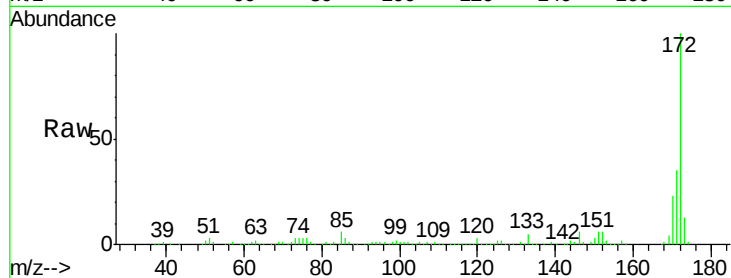




#44  
 2-Fluorobiphenyl  
 Concen: 46.04 ng  
 RT: 8.95 min Scan# 644  
 Delta R.T. -0.02 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

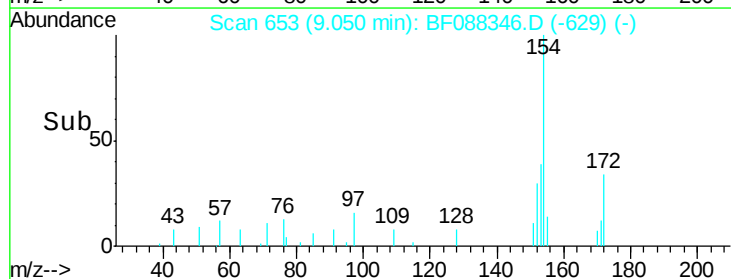
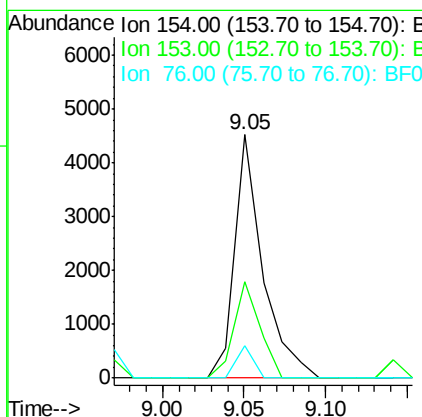
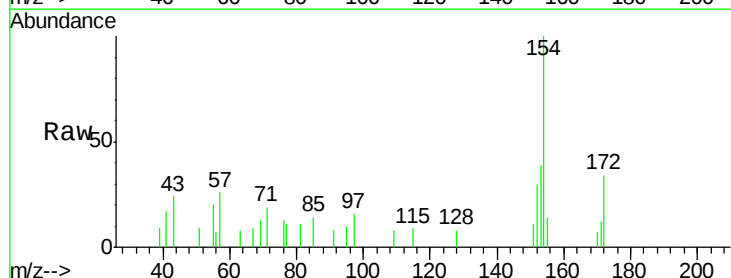
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PM-STA-1363(0-4)

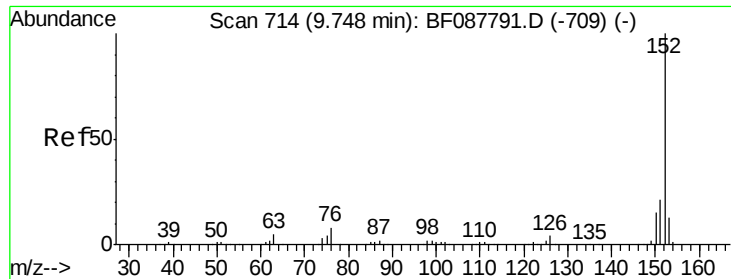
Tgt Ion:172 Resp: 397231  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.6 43.0  
 170 23.1 19.2 28.8



#45  
 1,1'-Biphenyl  
 Concen: Below Cal  
 RT: 9.05 min Scan# 653  
 Delta R.T. -0.02 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

Tgt Ion:154 Resp: 5359  
 Ion Ratio Lower Upper  
 154 100  
 153 39.4 20.6 60.6  
 76 13.4 0.0 35.1





#48

Acenaphthylene

Concen: 6.34 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

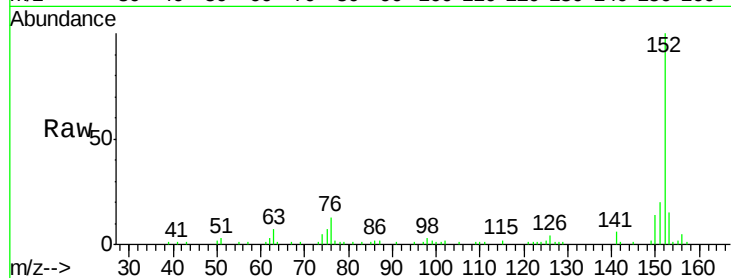
Tgt Ion:152 Resp: 83774

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

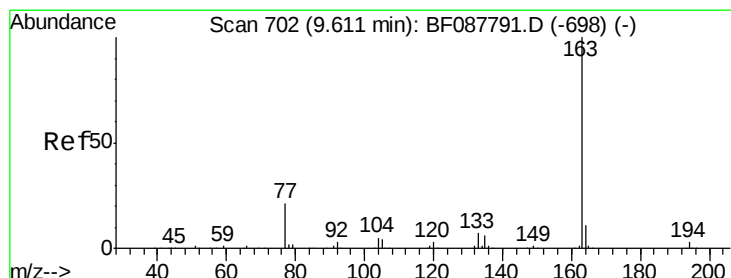
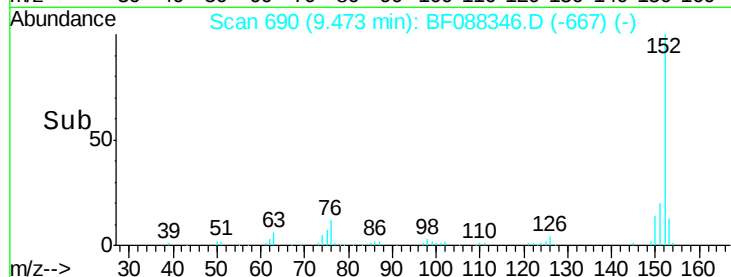
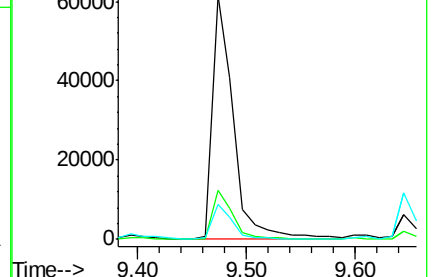
153 14.6 11.0 16.6



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: 5.36 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

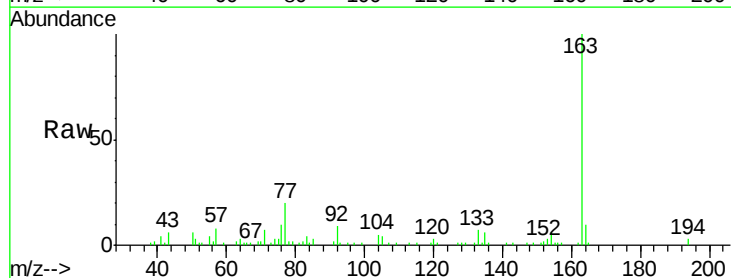
Tgt Ion:163 Resp: 49842

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

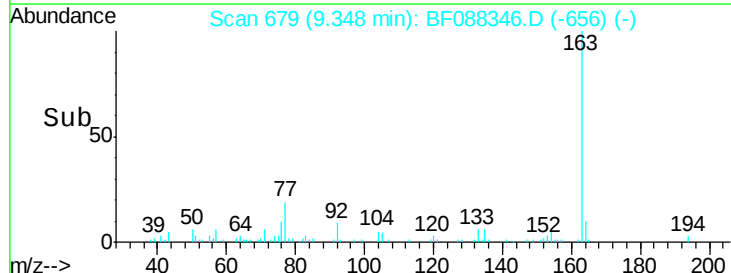
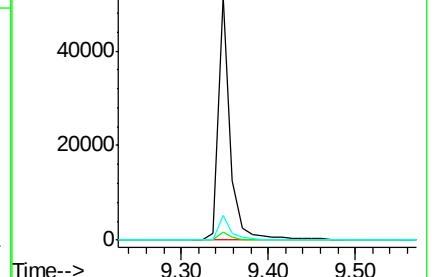
164 10.1 8.3 12.5

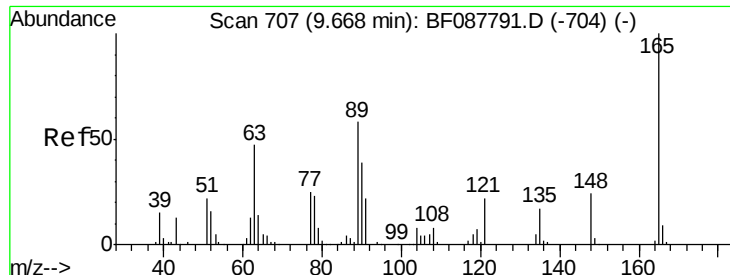


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

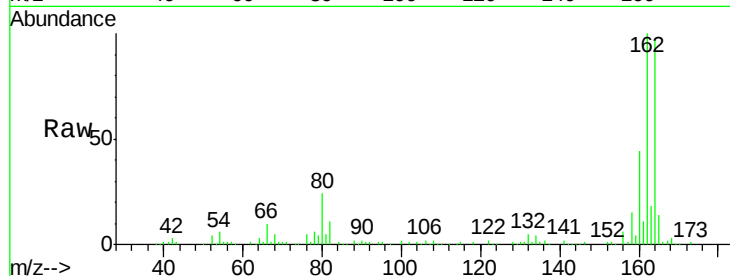




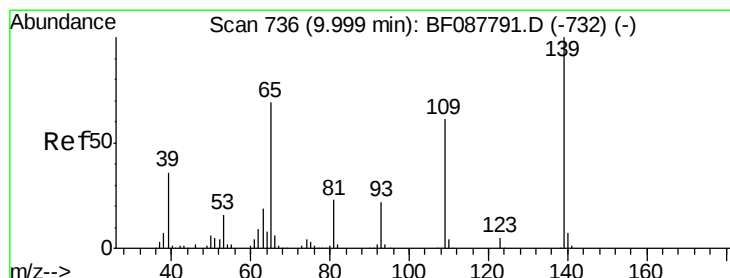
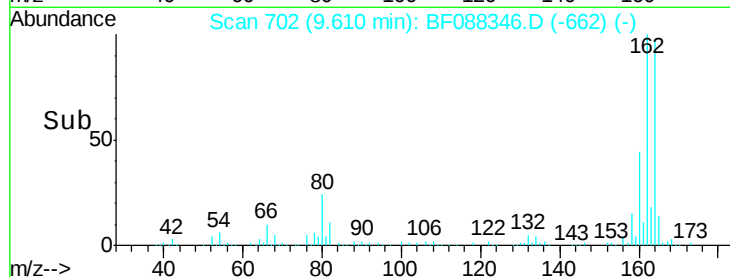
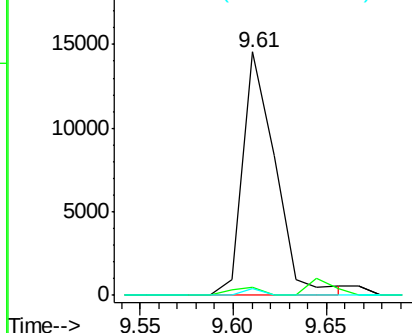
#50  
 2,6-Dinitrotoluene  
 Concen: 8.30 ng  
 RT: 9.61 min Scan# 702  
 Delta R.T. 0.16 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PM-STA-1363(0-4)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 3.3   | 28.1  | 42.1# |
| 89      | 2.7   | 32.2  | 48.2# |

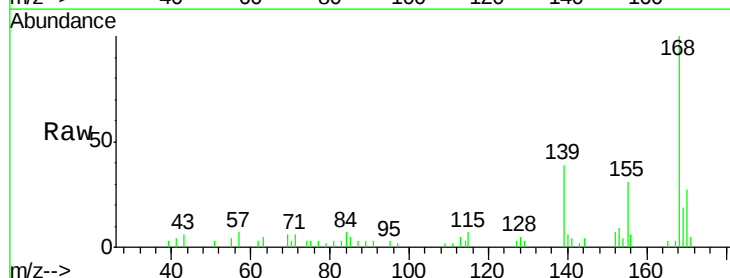


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

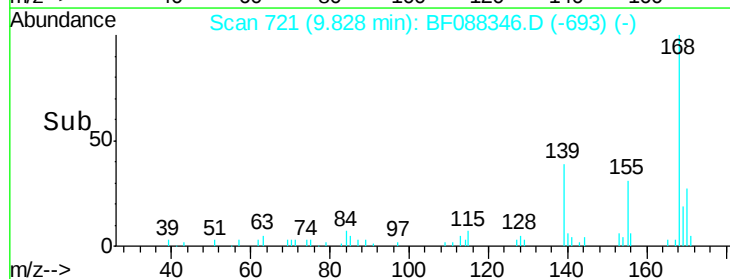
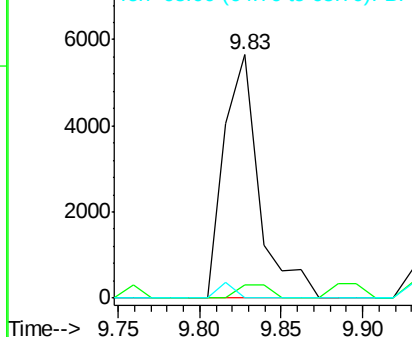


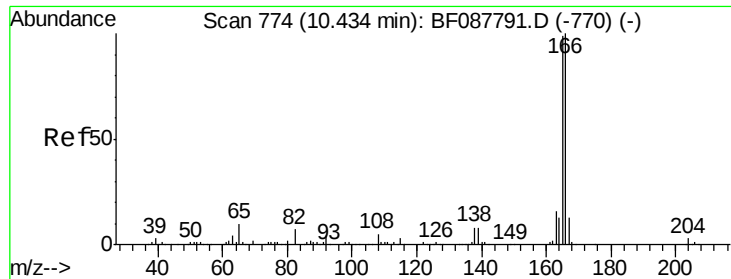
#55  
 4-Nitrophenol  
 Concen: 4.39 ng  
 RT: 9.83 min Scan# 721  
 Delta R.T. 0.02 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 5.5   | 48.9  | 88.9#  |
| 65      | 0.0   | 84.9  | 124.9# |



Abundance Ion 139.00 (138.70 to 139.70): E  
 Ion 109.00 (108.70 to 109.70): E  
 Ion 65.00 (64.70 to 65.70): BF0

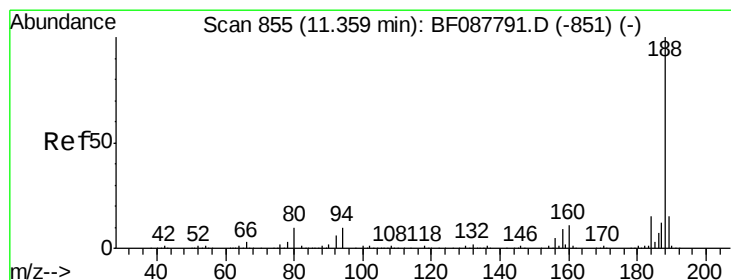
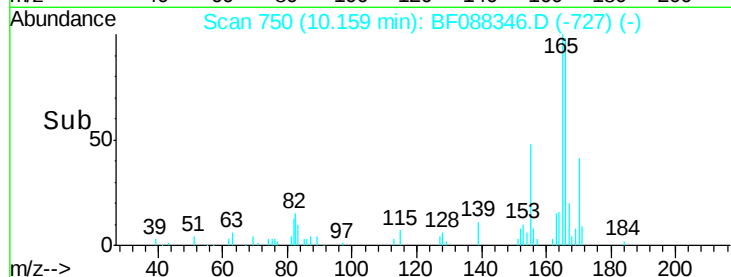
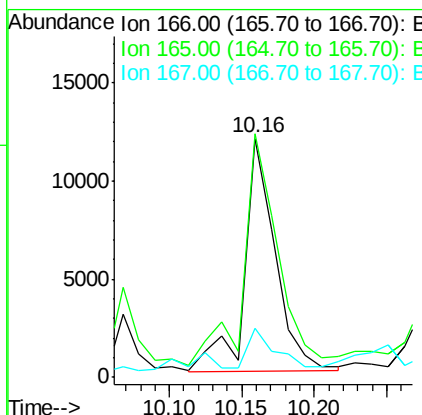
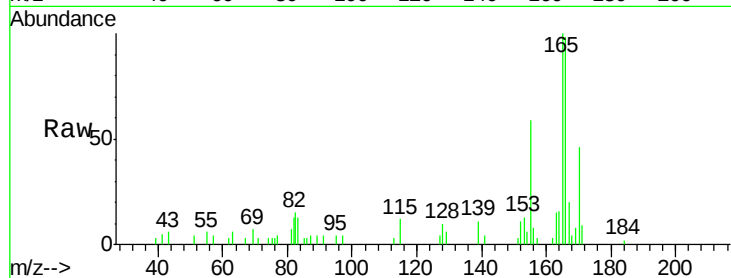




#57  
**Fluorene**  
 Concen: Below Cal  
 RT: 10.16 min Scan# 750  
 Delta R.T. -0.03 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

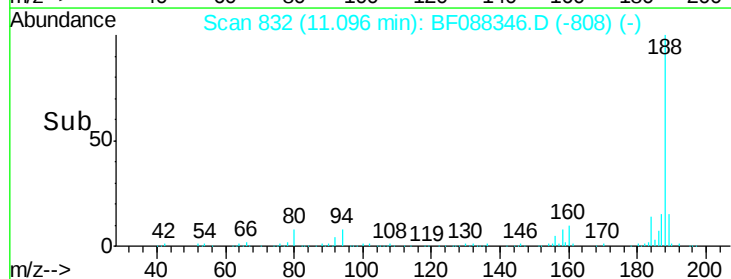
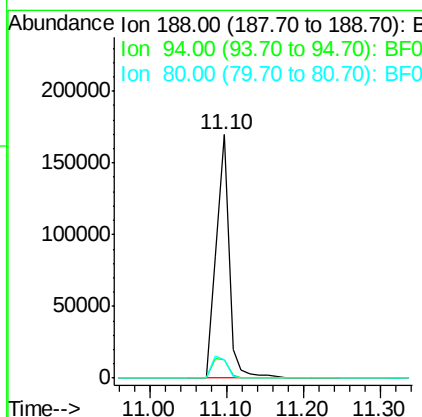
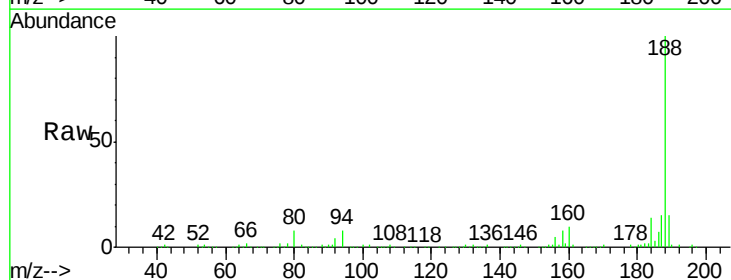
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PM-STA-1363(0-4)

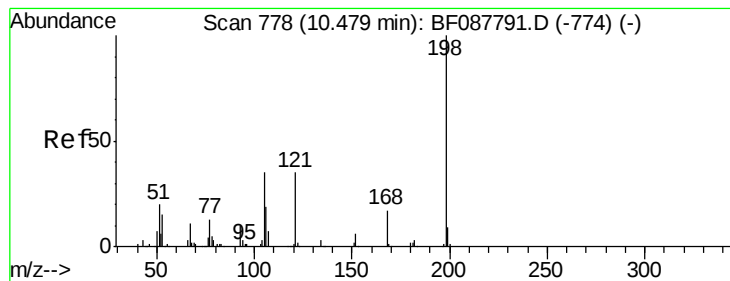
Tgt Ion:166 Resp: 17621  
 Ion Ratio Lower Upper  
 166 100  
 165 101.9 77.8 116.8  
 167 20.4 11.2 16.8#



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.10 min Scan# 832  
 Delta R.T. -0.02 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

Tgt Ion:188 Resp: 200001  
 Ion Ratio Lower Upper  
 188 100  
 94 7.7 9.0 13.6#  
 80 7.7 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.33 ng

RT: 10.43 min Scan# 774

Delta R.T. 0.17 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

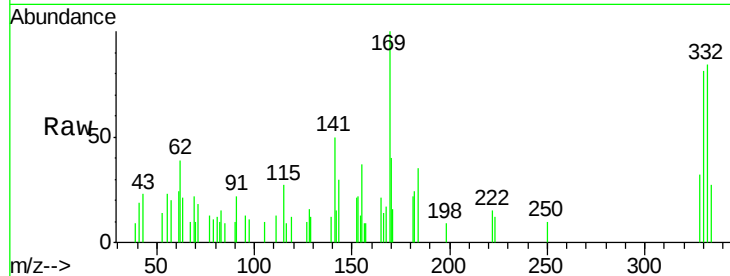
Tgt Ion:198 Resp: 215

Ion Ratio Lower Upper

198 100

51 0.0 39.6 79.6#

105 105.1 36.6 76.6#

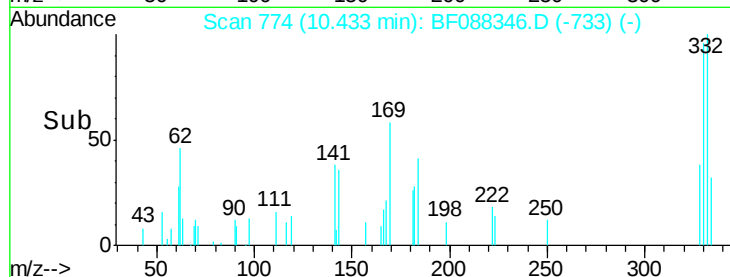


Abundance Ion 198.00 (197.70 to 198.70): E

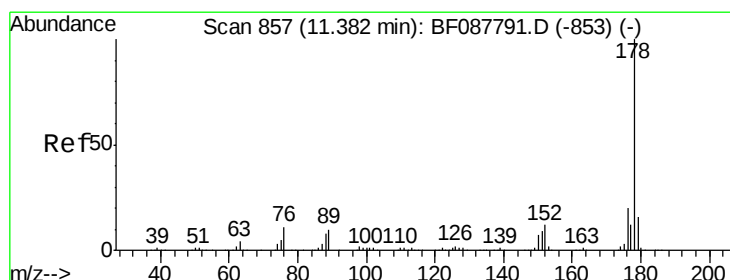
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#70

Phenanthrene

Concen: 24.70 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

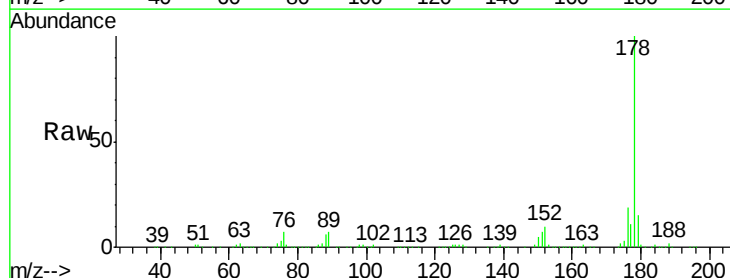
Tgt Ion:178 Resp: 259233

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 14.9 13.0 19.4

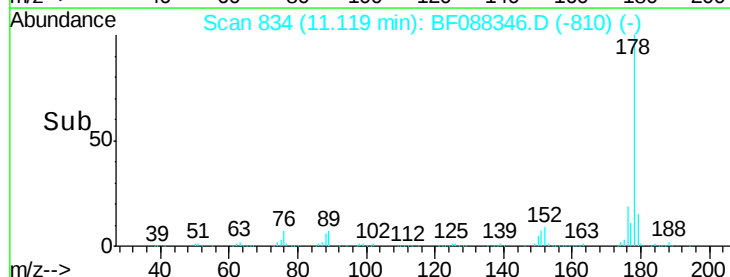


Abundance Ion 178.00 (177.70 to 178.70): E

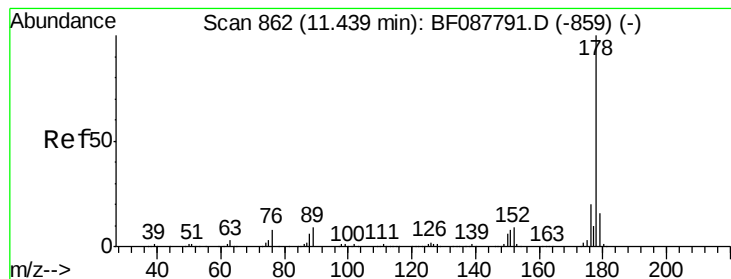
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#71

Anthracene

Concen: 9.35 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.03 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

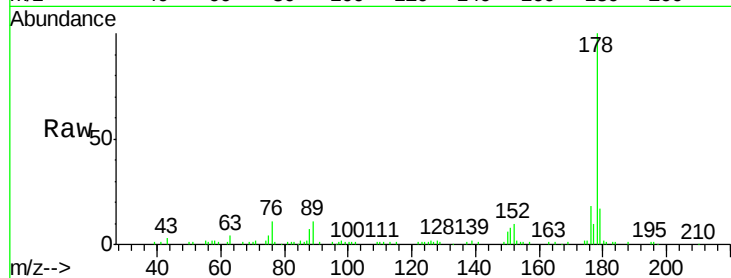
Tgt Ion:178 Resp: 99033

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

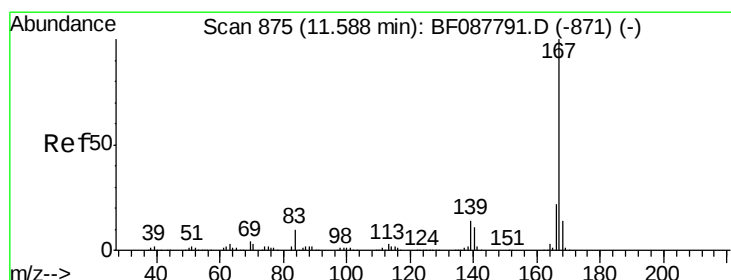
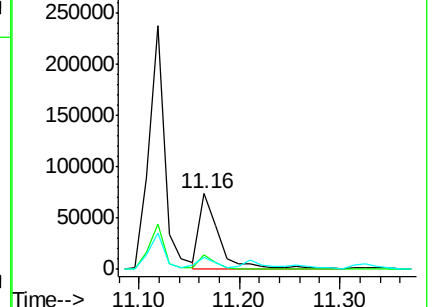
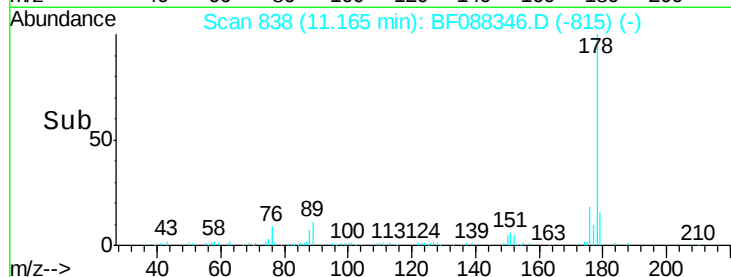
179 16.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.89 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

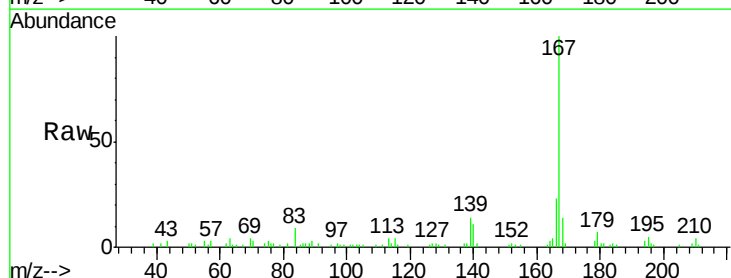
Tgt Ion:167 Resp: 48439

Ion Ratio Lower Upper

167 100

166 22.7 17.8 26.6

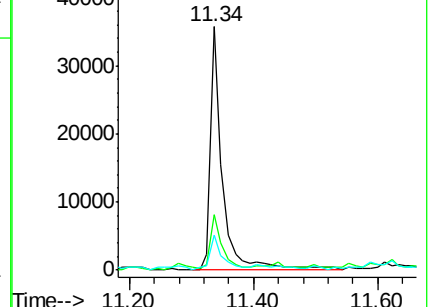
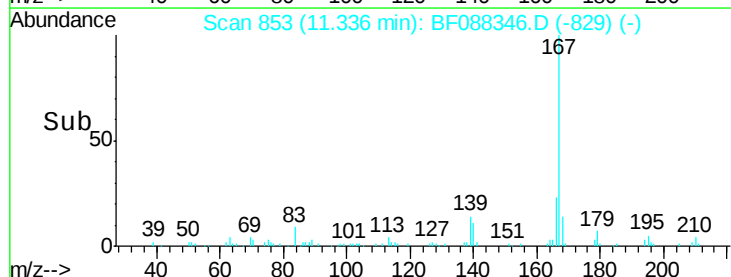
139 14.2 11.2 16.8

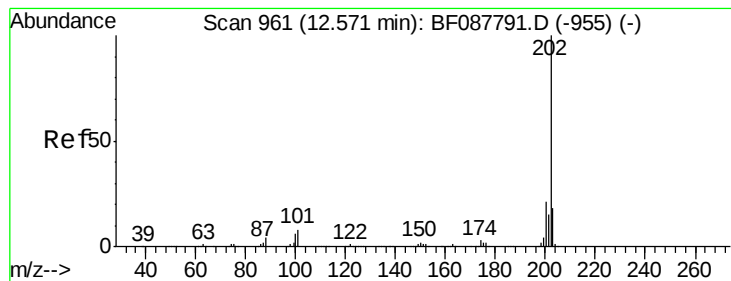


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 52.75 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

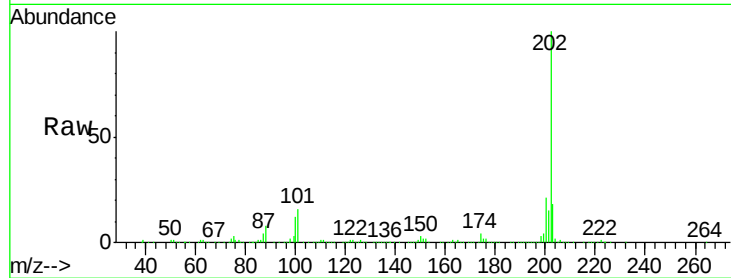
Tgt Ion:202 Resp: 584203

Ion Ratio Lower Upper

202 100

101 16.3 0.0 33.1

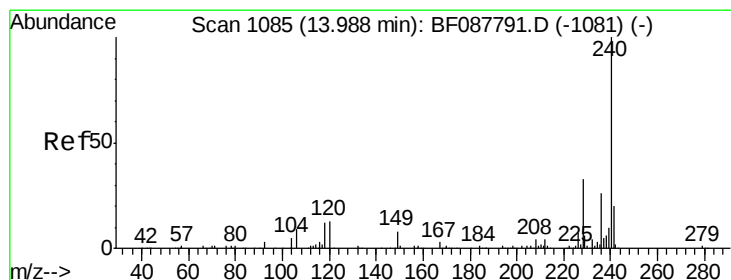
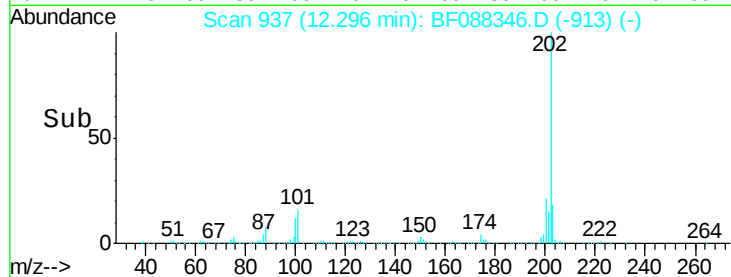
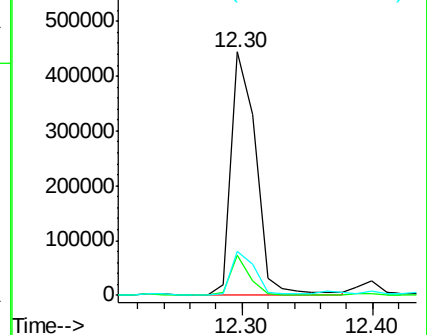
203 18.0 0.0 38.1



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: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

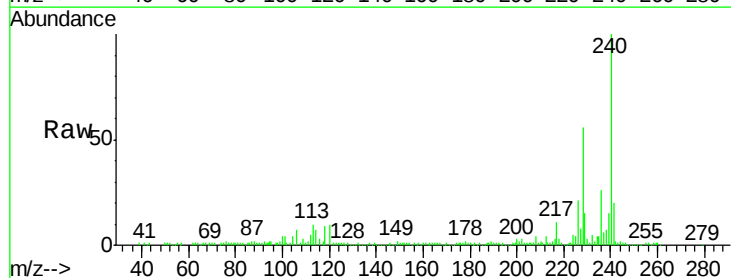
Tgt Ion:240 Resp: 154089

Ion Ratio Lower Upper

240 100

120 10.1 6.8 10.2

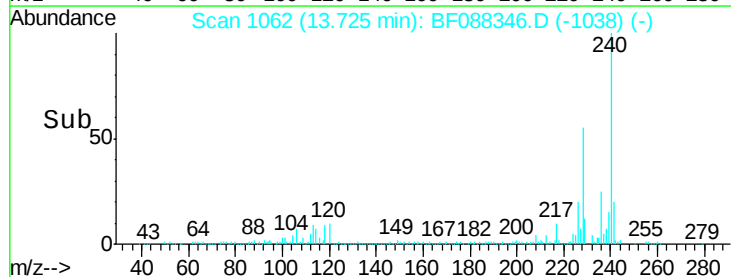
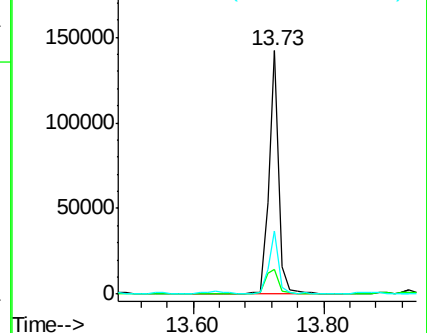
236 25.7 20.2 30.2

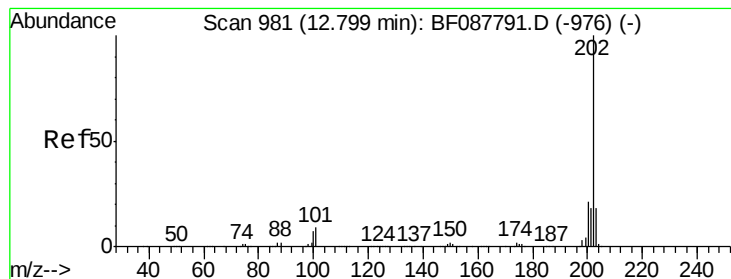


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 48.91 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

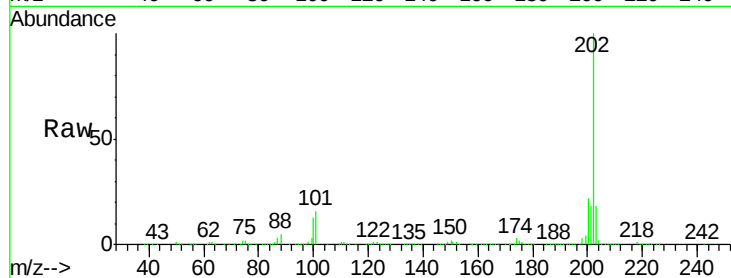
Tgt Ion:202 Resp: 559256

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

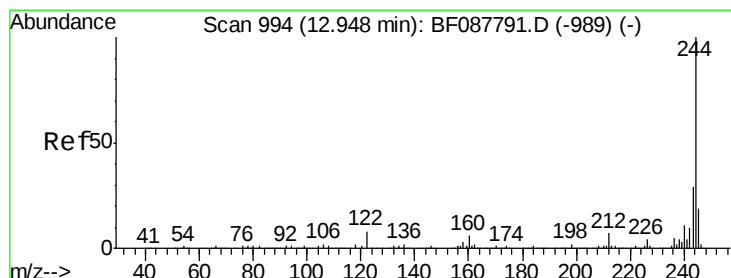
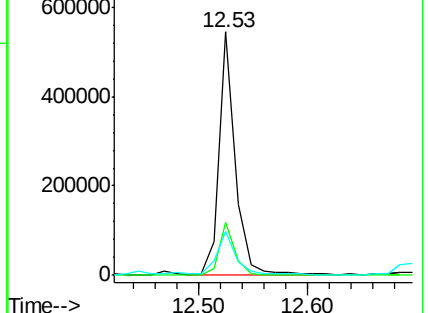
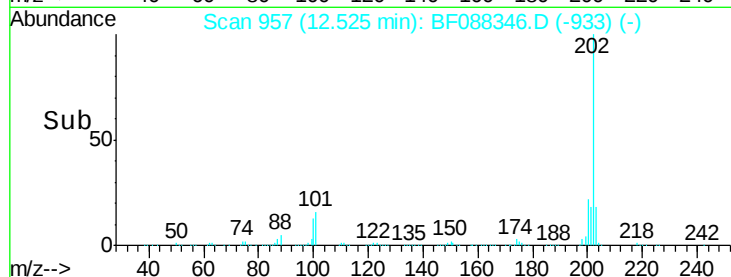
203 18.3 14.5 21.7



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: 37.60 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

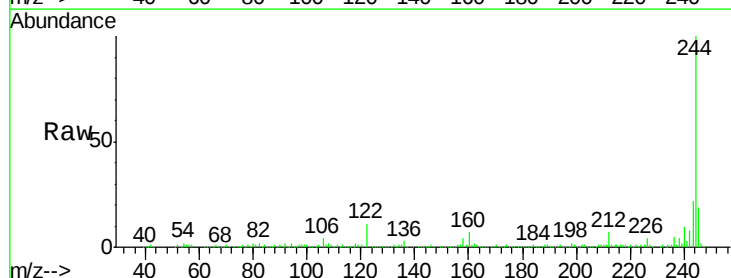
Tgt Ion:244 Resp: 254638

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

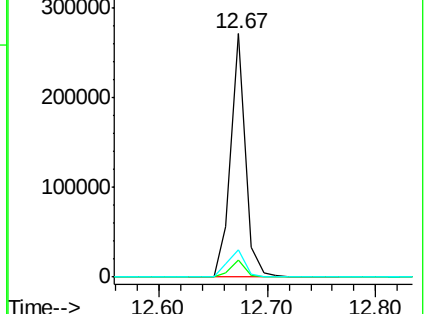
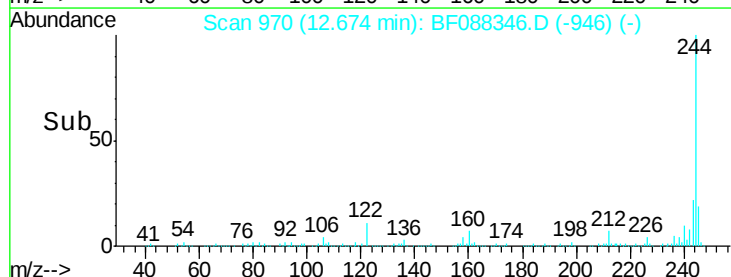
122 11.3 11.2 16.8

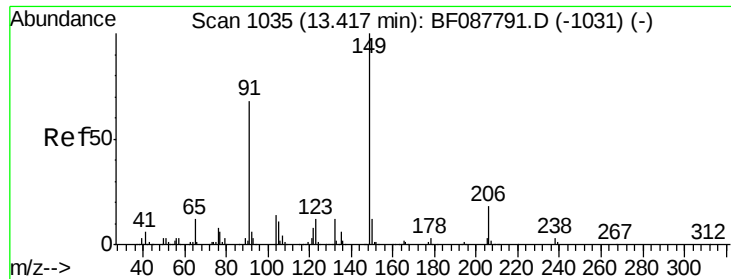


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

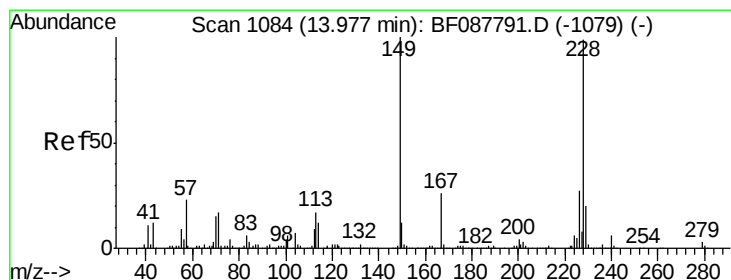
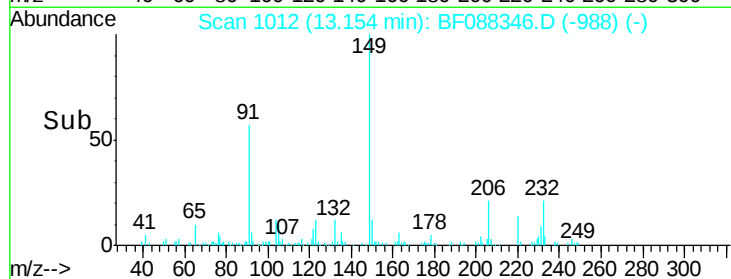
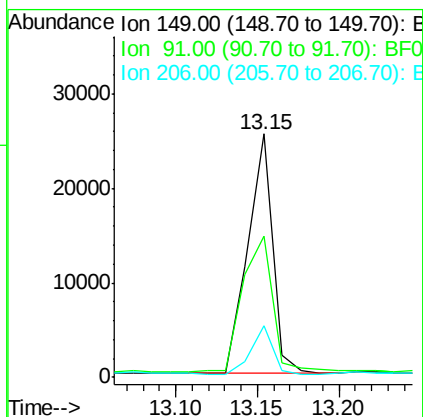
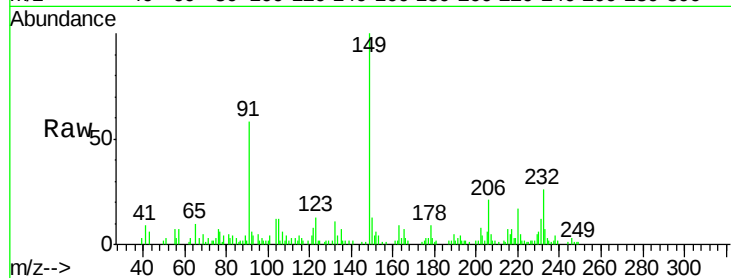




#79  
Butylbenzylphthalate  
Concen: 5.32 ng  
RT: 13.15 min Scan# 1012  
Delta R.T. -0.02 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

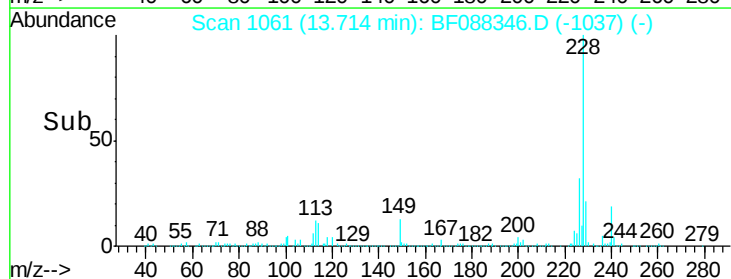
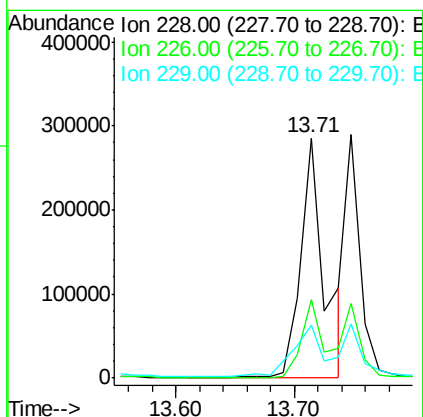
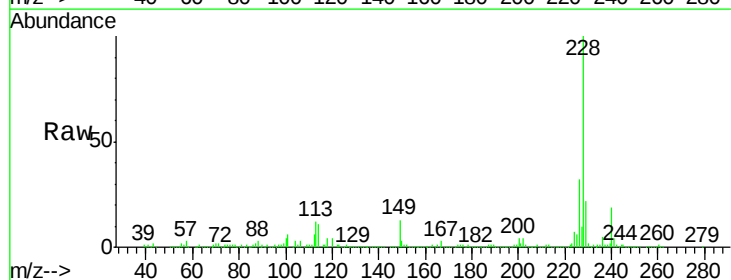
Instrument :  
BNA\_F  
ClientSampleId :  
PM-STA-1363(0-4)

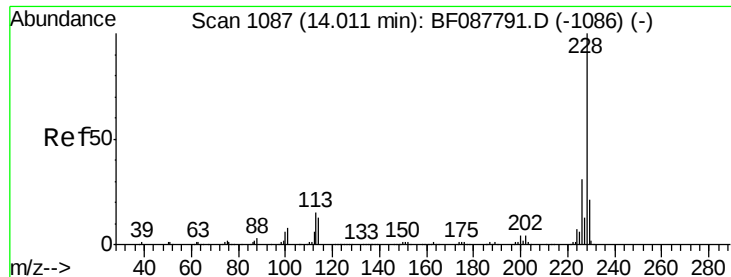
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 58.0  | 48.0  | 72.0  |
| 206     | 21.2  | 16.0  | 24.0  |



#80  
Benzo(a)anthracene  
Concen: 44.81 ng  
RT: 13.71 min Scan# 1061  
Delta R.T. -0.02 min  
Lab File: BF088346.D  
Acq: 24 Jun 2016 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.5  | 22.3  | 33.5  |
| 229     | 21.8  | 16.0  | 24.0  |





#82

Chrysene

Concen: 47.64 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

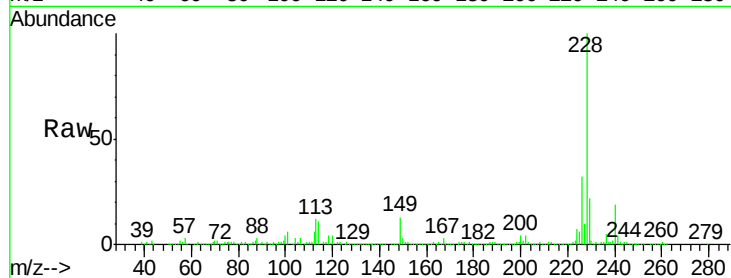
Tgt Ion:228 Resp: 393516

Ion Ratio Lower Upper

228 100

226 32.5 25.4 38.2

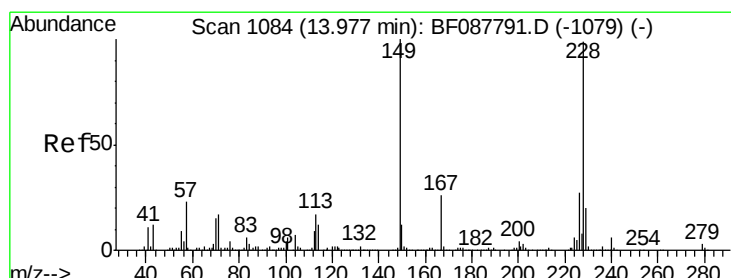
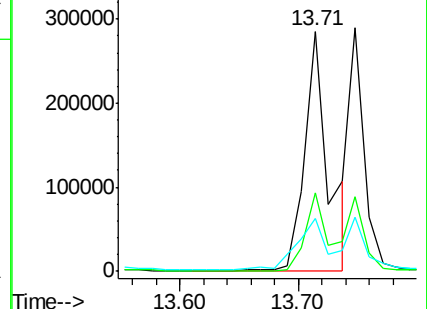
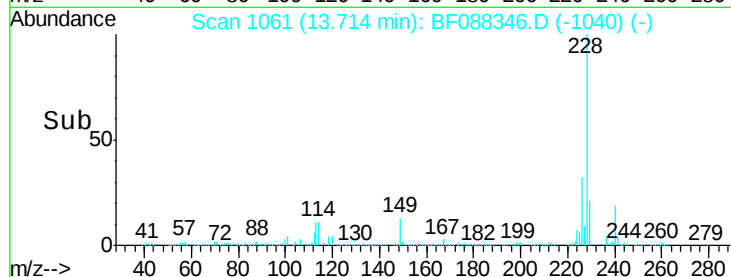
229 21.8 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.06 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

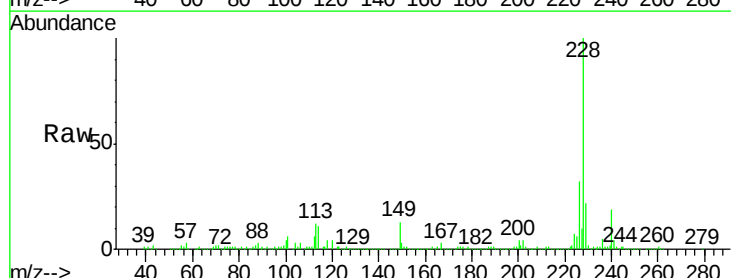
Tgt Ion:149 Resp: 37264

Ion Ratio Lower Upper

149 100

167 25.3 20.5 30.7

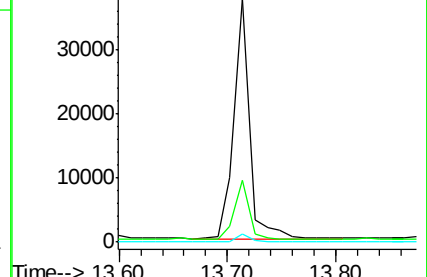
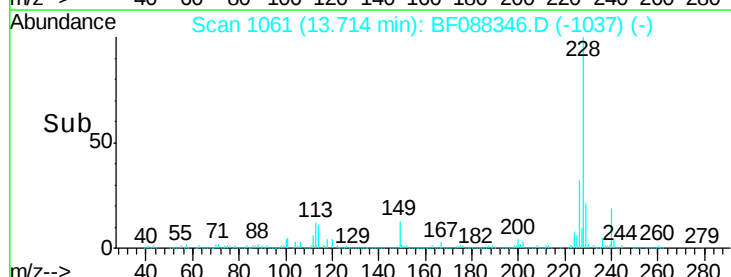
279 3.5 2.0 3.0#

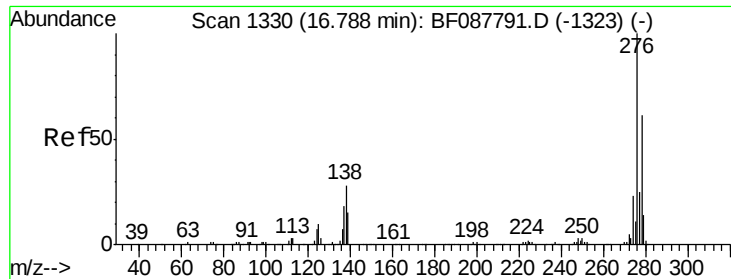


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

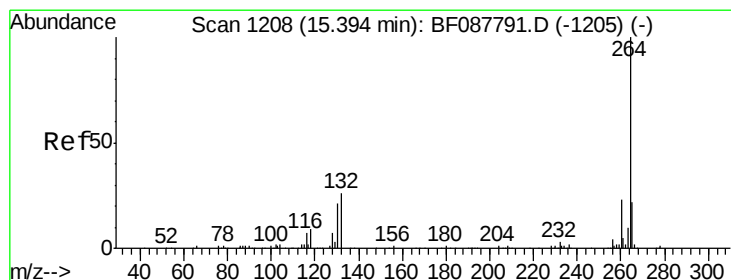
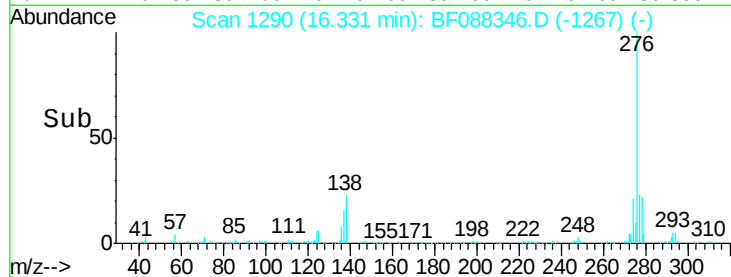
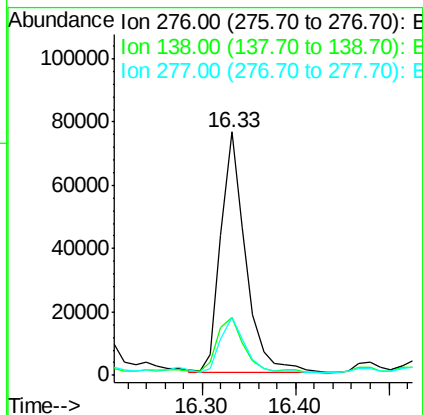
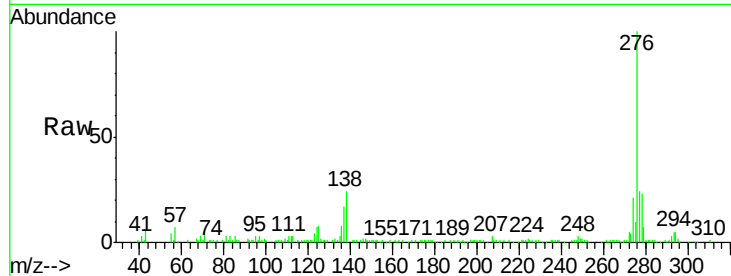




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 18.35 ng  
 RT: 16.33 min Scan# 1290  
 Delta R.T. -0.03 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

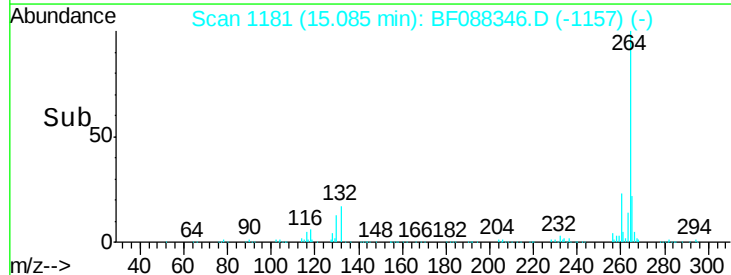
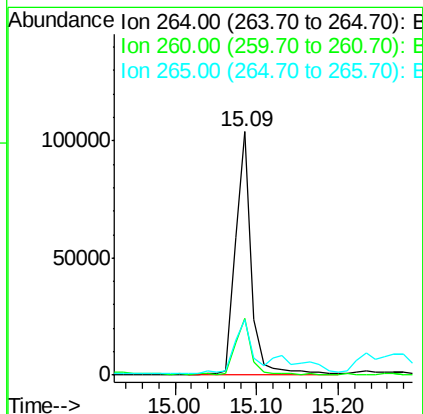
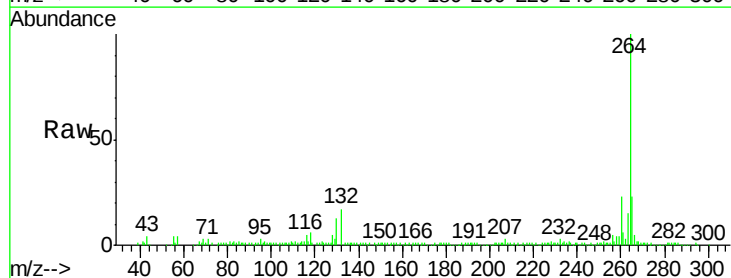
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PM-STA-1363(0-4)

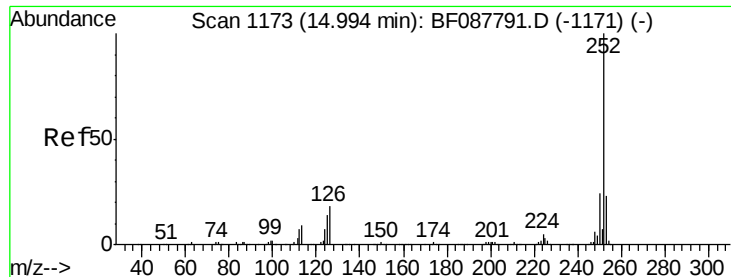
Tgt Ion:276 Resp: 140843  
 Ion Ratio Lower Upper  
 276 100  
 138 26.2 0.0 0.0#  
 277 23.1 0.0 0.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.09 min Scan# 1181  
 Delta R.T. -0.02 min  
 Lab File: BF088346.D  
 Acq: 24 Jun 2016 22:17

Tgt Ion:264 Resp: 137958  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.2 28.8  
 265 22.7 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 59.22 ng

RT: 14.72 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

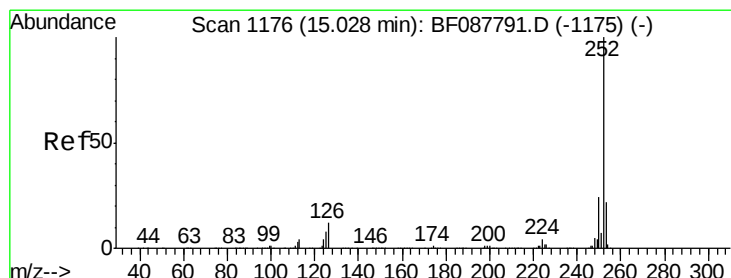
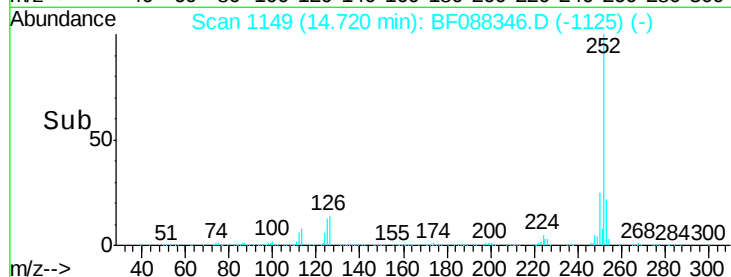
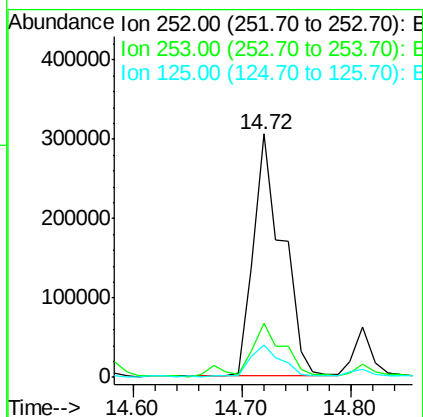
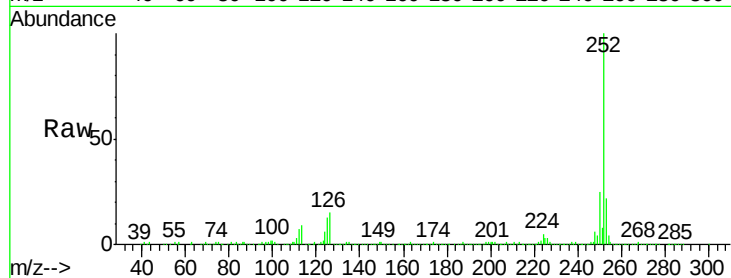
Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 569441 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 17.4  | 26.2   |
| 125       | 13.1  | 7.1   | 10.7#  |



#88

Benzo(k)fluoranthene

Concen: 78.51 ng

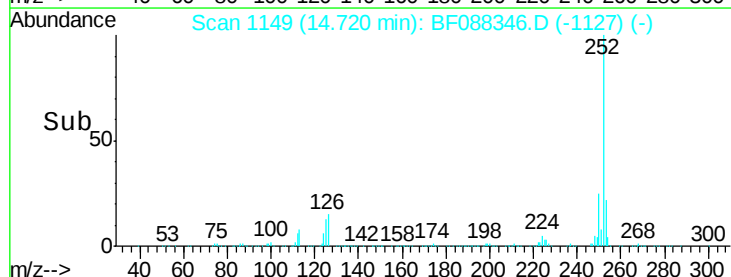
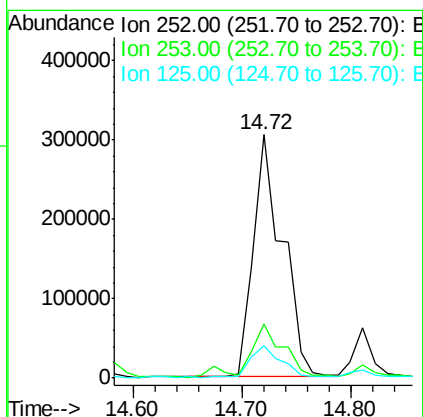
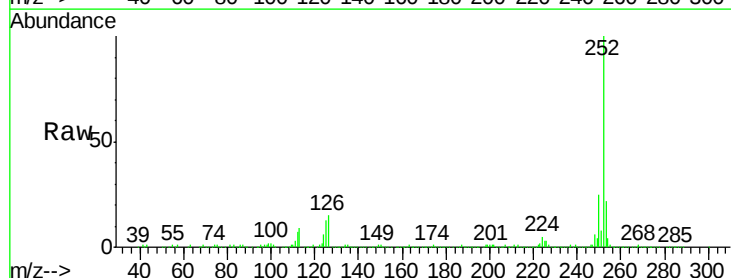
RT: 14.72 min Scan# 1149

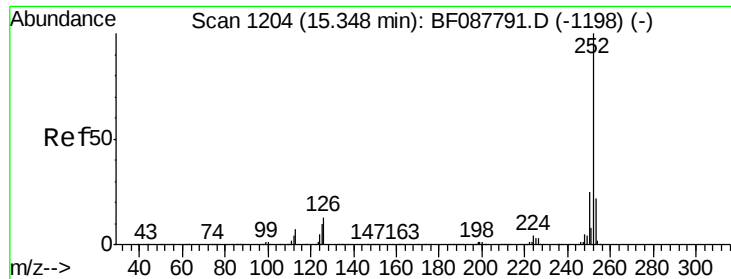
Delta R.T. -0.05 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 569441 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 18.0  | 27.0   |
| 125       | 13.1  | 11.2  | 16.8   |





#89

Benzo(a)pyrene

Concen: 31.76 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)

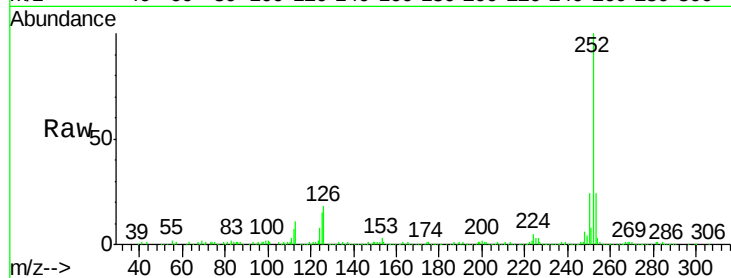
Tgt Ion:252 Resp: 247079

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

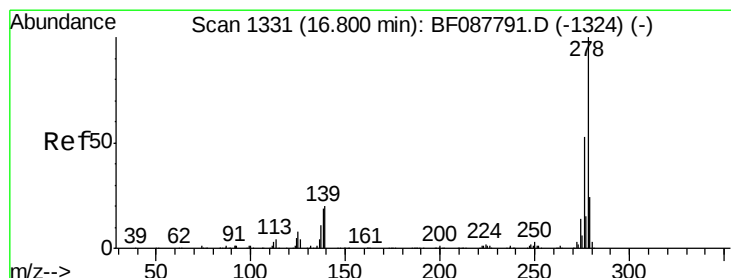
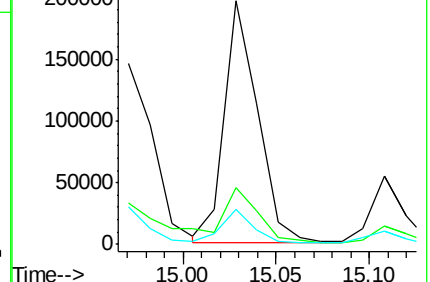
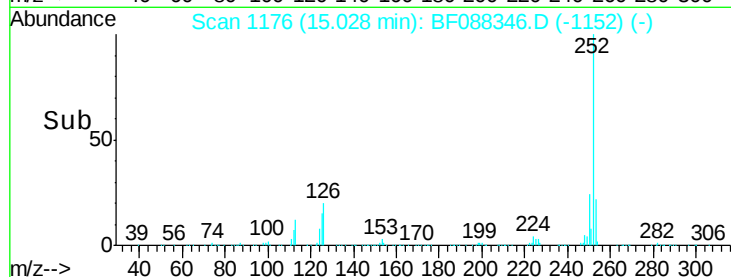
125 14.5 12.5 18.7



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: 3.43 ng

RT: 16.48 min Scan# 1303

Delta R.T. 0.11 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

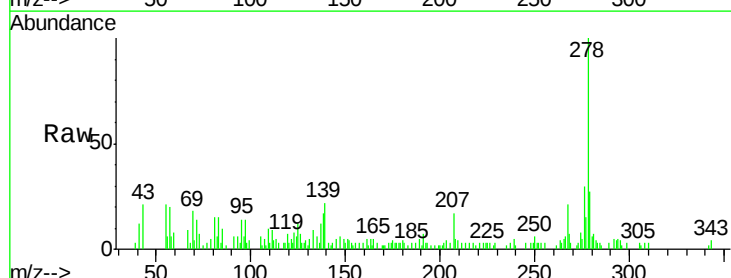
Tgt Ion:278 Resp: 24766

Ion Ratio Lower Upper

278 100

139 21.8 15.7 23.5

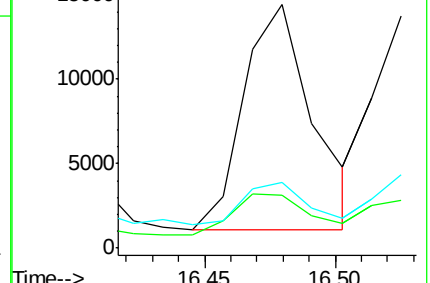
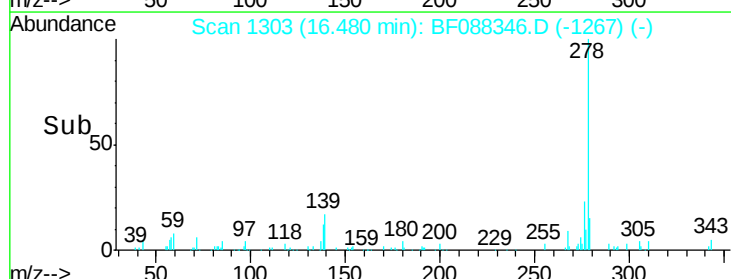
279 26.9 19.4 29.2

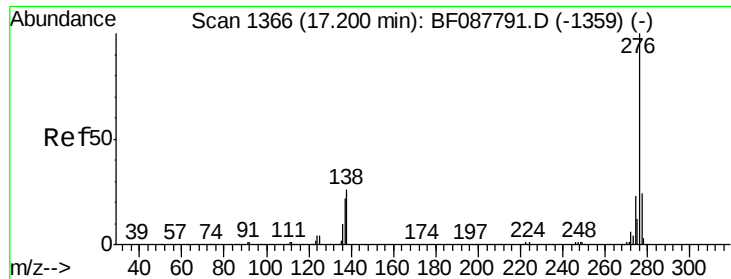


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 16.08 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.03 min

Lab File: BF088346.D

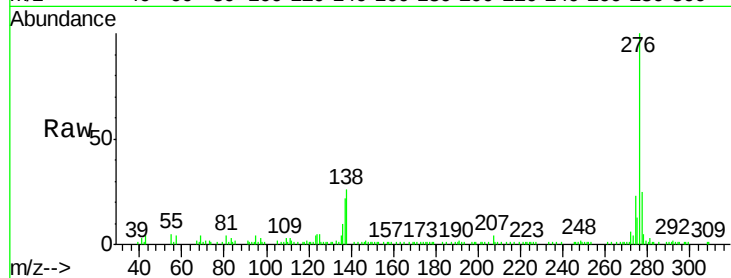
Acq: 24 Jun 2016 22:17

Instrument :

BNA\_F

ClientSampleId :

PM-STA-1363(0-4)



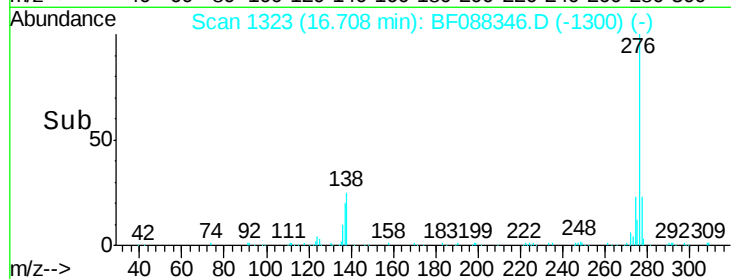
Tgt Ion: 276 Resp: 119479

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 26.1 21.4 32.2



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

