

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120815\  
 Data File : BF083612.D  
 Acq On : 8 Dec 2015 23:51  
 Operator : UM/IZ  
 Sample : G4637-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PCPY1

Quant Time: Dec 09 01:28:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF120815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 00:23:35 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.70  | 152  | 160382   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.60  | 136  | 628643   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.38 | 164  | 308678   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.78 | 188  | 534270   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.99 | 240  | 335817   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 18.64 | 264  | 292869   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 4.00  | 112 | 1251805 | 118.38 | ng | 0.02  |
| 7) Phenol-d6                | 5.28  | 99  | 1809335 | 128.06 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 6.53  | 82  | 1127056 | 83.66  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 11.68 | 330 | 319725  | 116.26 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.34  | 172 | 1553864 | 70.85  | ng | 0.00  |
| 78) Terphenyl-d14           | 15.41 | 244 | 1096993 | 76.86  | ng | 0.00  |

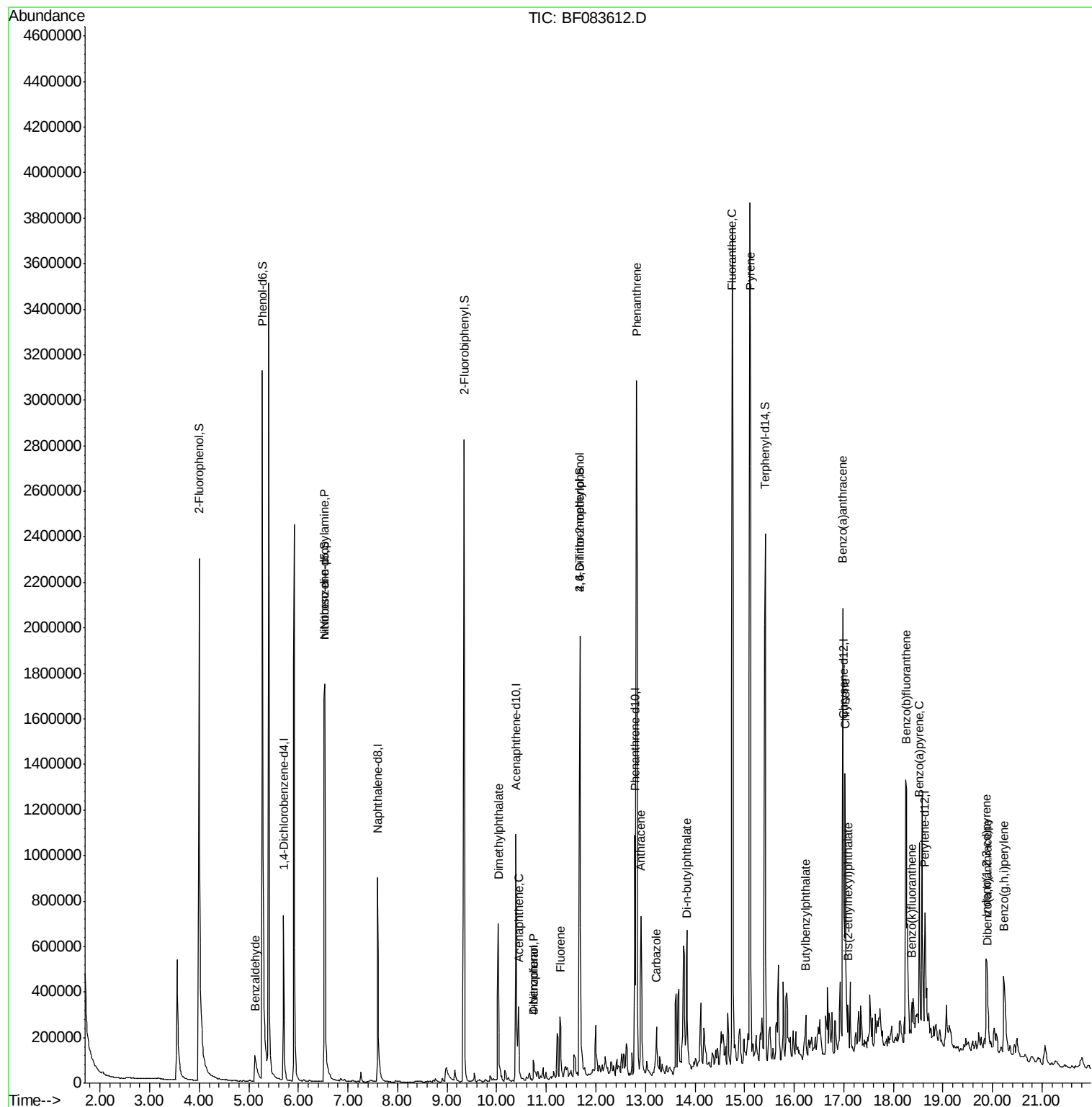
|                                |       |     |         |        |    |       |
|--------------------------------|-------|-----|---------|--------|----|-------|
| Target Compounds               |       |     |         | Qvalue |    |       |
| 9) Benzaldehyde                | 5.13  | 77  | 89740   | 9.91   | ng | 98    |
| 19) n-Nitroso-di-n-propylamine | 6.53  | 70  | 140961  | 14.29  | ng | # 76  |
| 49) Dimethylphthalate          | 10.03 | 163 | 415819  | 16.92  | ng | 98    |
| 51) Acenaphthene               | 10.44 | 154 | 132332  | 6.92   | ng | 98    |
| 54) Dibenzofuran               | 10.74 | 168 | 66316   | 2.50   | ng | 94    |
| 55) 4-Nitrophenol              | 10.74 | 139 | 24276   | 10.23  | ng | # 7   |
| 57) Fluorene                   | 11.28 | 166 | 123164  | 5.32   | ng | 95    |
| 64) 4,6-Dinitro-2-methylphenol | 11.68 | 198 | 793     | 2.16   | ng | # 1   |
| 70) Phenanthrene               | 12.82 | 178 | 1860920 | 60.62  | ng | 98    |
| 71) Anthracene                 | 12.91 | 178 | 463976  | 14.59  | ng | 98    |
| 72) Carbazole                  | 13.22 | 167 | 160930  | 5.90   | ng | 97    |
| 73) Di-n-butylphthalate        | 13.83 | 149 | 70169   | 2.05   | ng | # 94  |
| 74) Fluoranthene               | 14.75 | 202 | 2376078 | 75.67  | ng | 96    |
| 77) Pyrene                     | 15.11 | 202 | 2026667 | 83.83  | ng | # 91  |
| 79) Butylbenzylphthalate       | 16.24 | 149 | 50241   | 4.68   | ng | 92    |
| 80) Benzo(a)anthracene         | 16.98 | 228 | 836759  | 42.57  | ng | 98    |
| 82) Chrysene                   | 17.03 | 228 | 710286  | 36.05  | ng | 99    |
| 83) Bis(2-ethylhexyl)phthalate | 17.08 | 149 | 51054   | 3.43   | ng | # 95  |
| 85) Indeno(1,2,3-cd)pyrene     | 19.88 | 276 | 365060  | 27.45  | ng | # 100 |
| 87) Benzo(b)fluoranthene       | 18.26 | 252 | 1055251 | 63.27  | ng | 99    |
| 88) Benzo(k)fluoranthene       | 18.37 | 252 | 108169  | 5.89   | ng | 96    |
| 89) Benzo(a)pyrene             | 18.52 | 252 | 377807  | 23.22  | ng | 96    |
| 90) Dibenzo(a,h)anthracene     | 19.89 | 278 | 119334  | 9.59   | ng | 99    |
| 91) Benzo(g,h,i)perylene       | 20.23 | 276 | 356023  | 29.35  | ng | 99    |

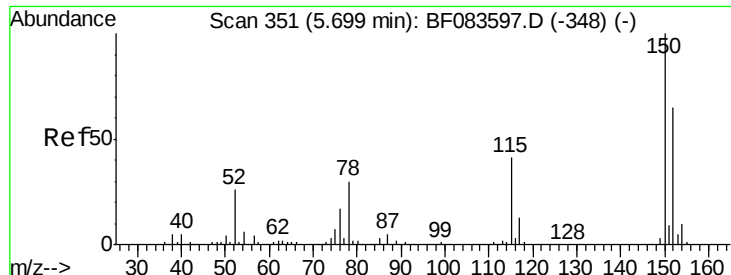
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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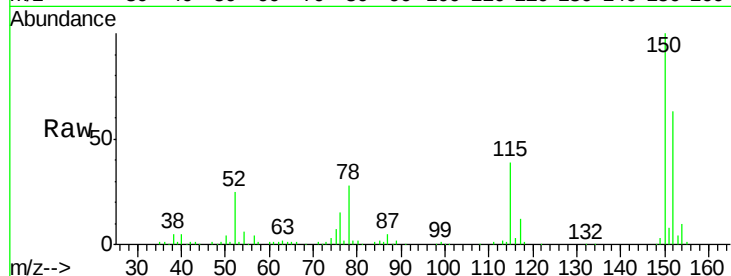




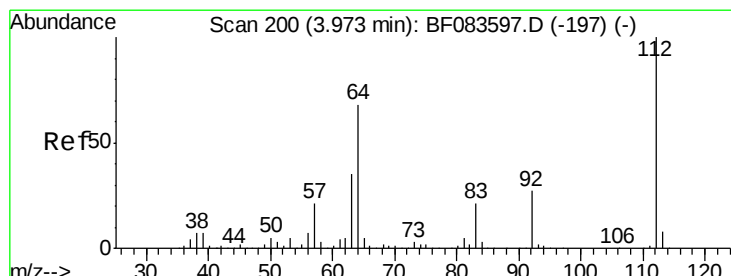
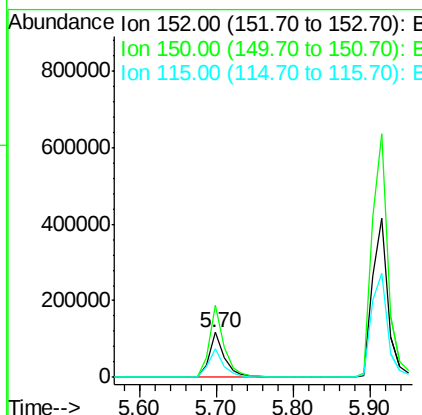
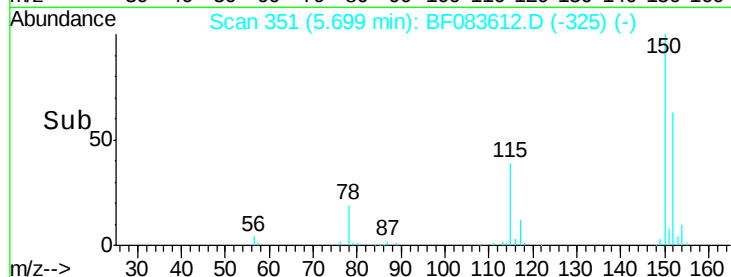
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.70 min Scan# 351  
 Delta R.T. -0.00 min  
 Lab File: BF083612.D  
 Acq: 8 Dec 2015 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PCPY1

Tgt Ion:152 Resp: 160382  
 Ion Ratio Lower Upper  
 152 100  
 150 159.7 126.5 189.7  
 115 62.8 52.3 78.5

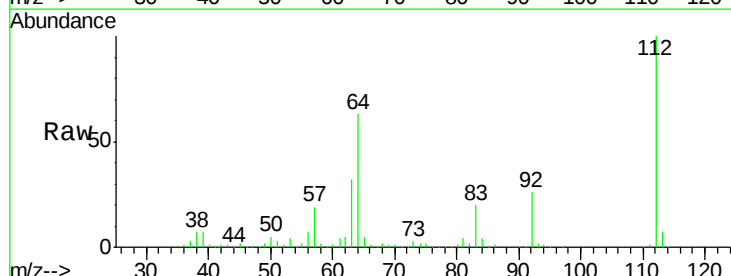


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

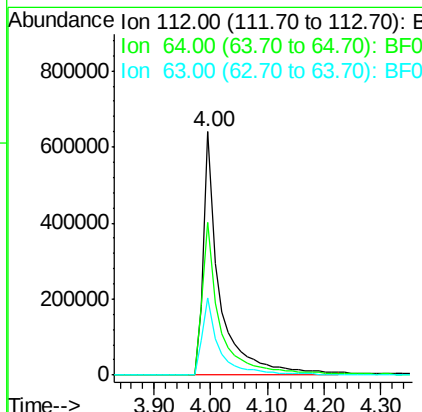
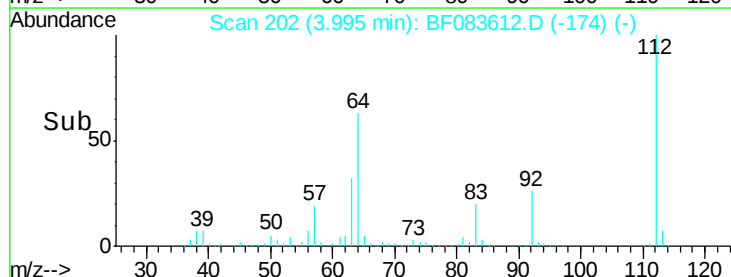


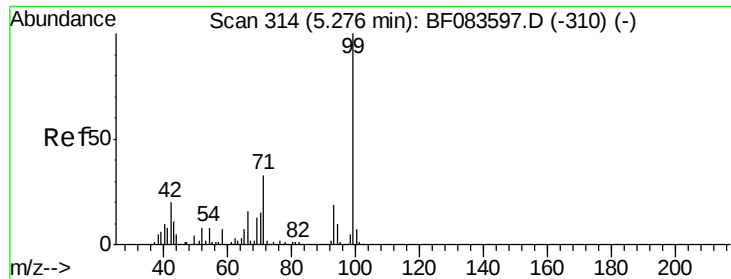
#5  
 2-Fluorophenol  
 Concen: 118.38 ng  
 RT: 4.00 min Scan# 202  
 Delta R.T. 0.02 min  
 Lab File: BF083612.D  
 Acq: 8 Dec 2015 23:51

Tgt Ion:112 Resp: 1251805  
 Ion Ratio Lower Upper  
 112 100  
 64 63.0 50.5 75.7  
 63 31.7 25.8 38.6



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: 128.06 ng

RT: 5.28 min Scan# 314

Delta R.T. -0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampled :

PCPY1

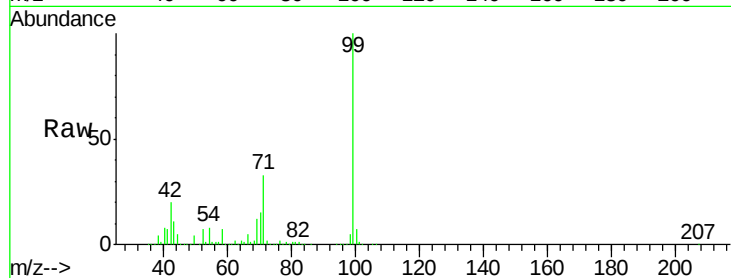
Tgt Ion: 99 Resp: 1809335

Ion Ratio Lower Upper

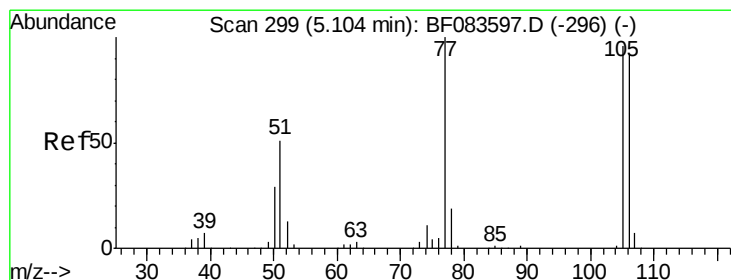
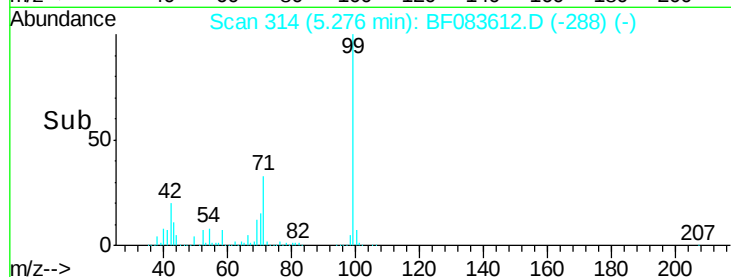
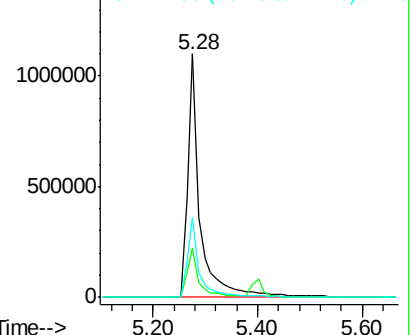
99 100

42 20.2 17.3 25.9

71 33.0 26.6 40.0



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



#9

Benzaldehyde

Concen: 9.91 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.02 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

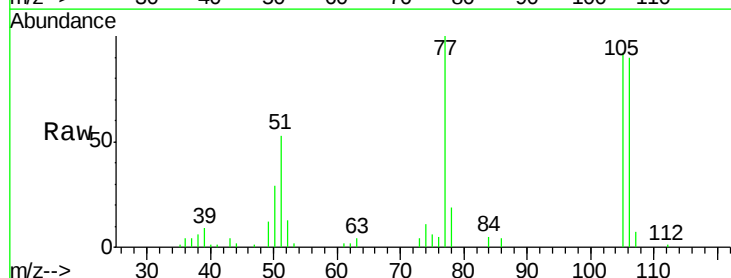
Tgt Ion: 77 Resp: 89740

Ion Ratio Lower Upper

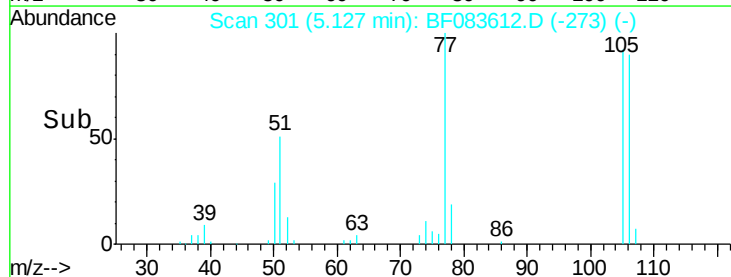
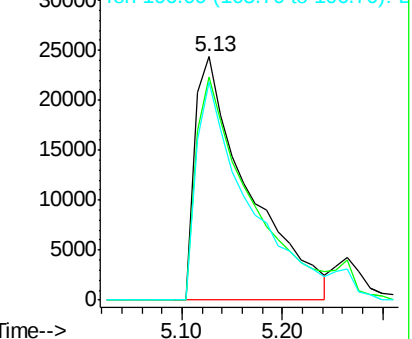
77 100

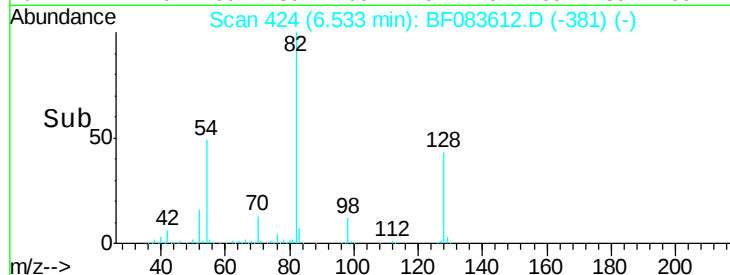
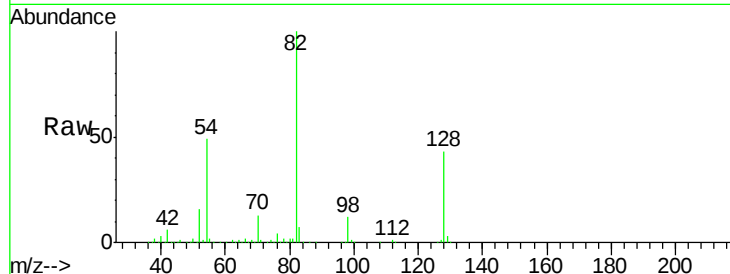
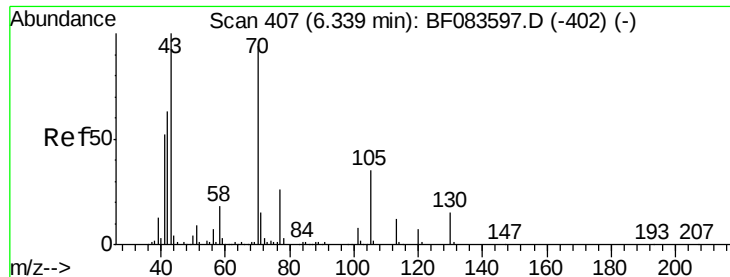
105 91.7 71.8 111.8

106 89.8 66.8 106.8



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): BF0  
Ion 106.00 (105.70 to 106.70): BF0

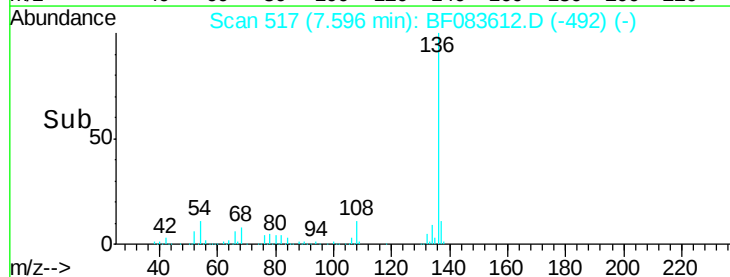
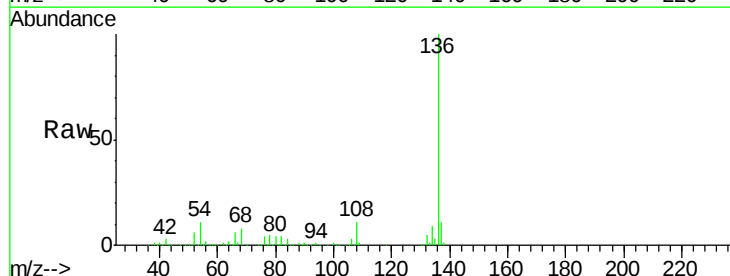
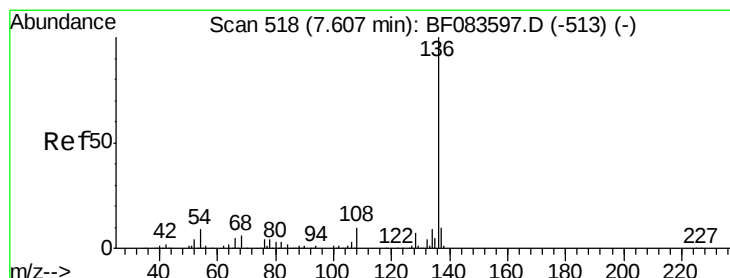
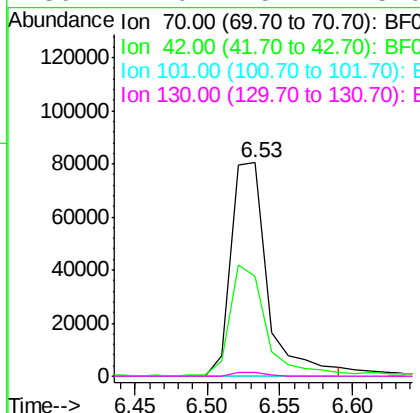




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.29 ng  
RT: 6.53 min Scan# 424  
Delta R.T. 0.19 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

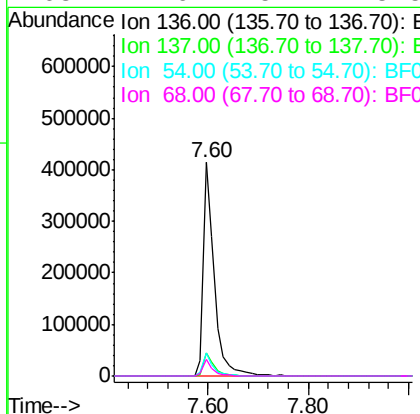
Instrument :  
BNA\_F  
ClientSampleId :  
PCPY1

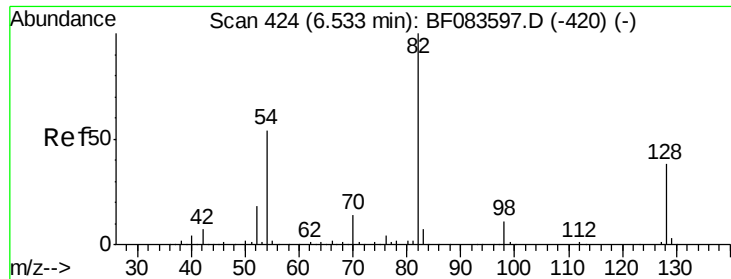
Tgt Ion: 70 Resp: 140961  
Ion Ratio Lower Upper  
70 100  
42 46.9 49.2 73.8#  
101 0.0 7.1 10.7#  
130 2.0 15.4 23.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.60 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

Tgt Ion: 136 Resp: 628643  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.7 13.1  
54 10.8 7.8 11.6  
68 7.6 5.7 8.5

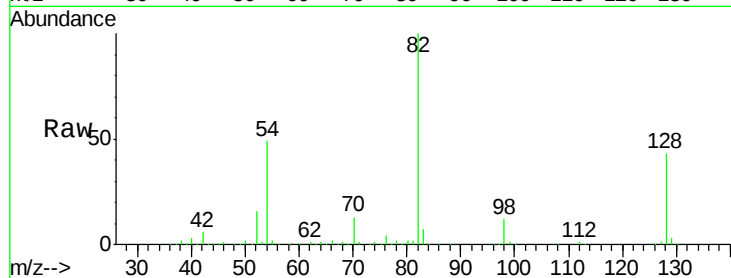




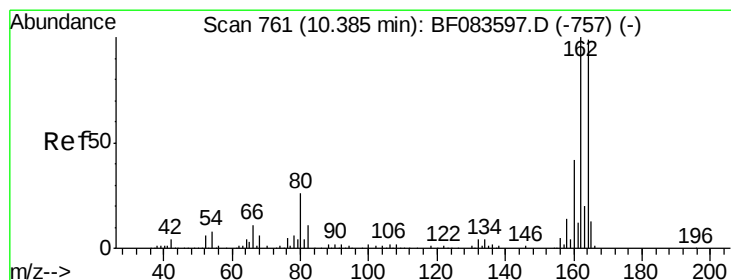
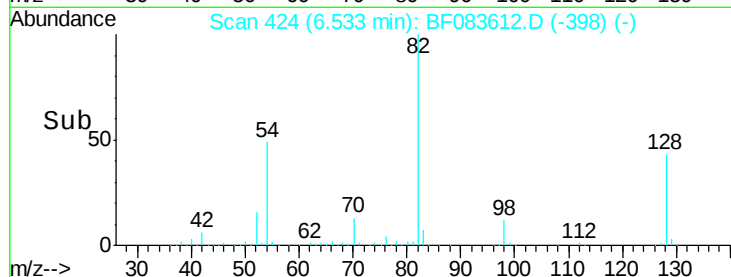
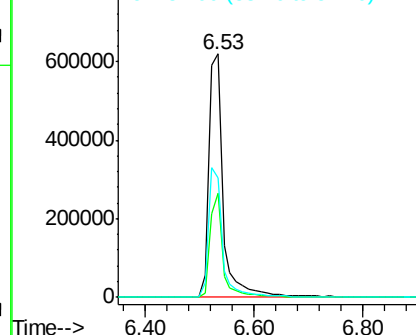
#23  
 Nitrobenzene-d5  
 Concen: 83.66 ng  
 RT: 6.53 min Scan# 424  
 Delta R.T. -0.00 min  
 Lab File: BF083612.D  
 Acq: 8 Dec 2015 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PCPY1

Tgt Ion: 82 Resp: 1127056  
 Ion Ratio Lower Upper  
 82 100  
 128 42.8 30.7 46.1  
 54 49.2 42.5 63.7

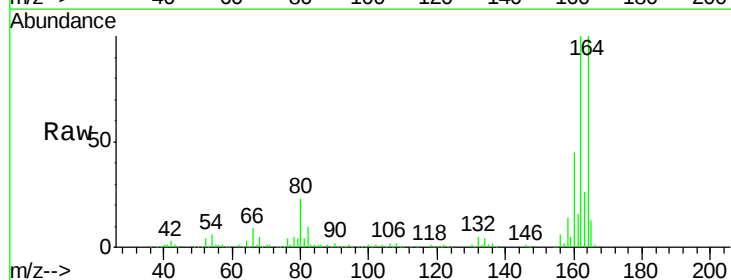


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

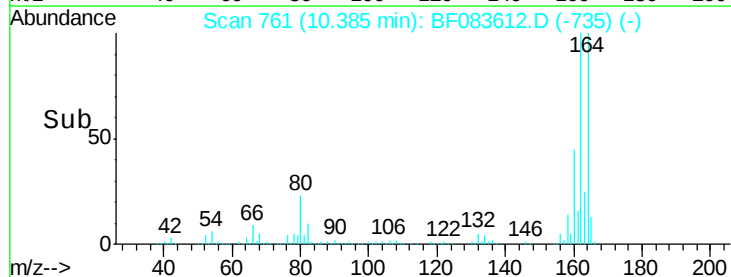
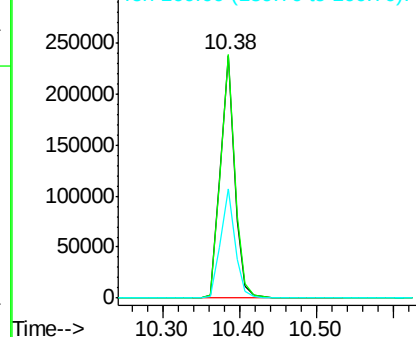


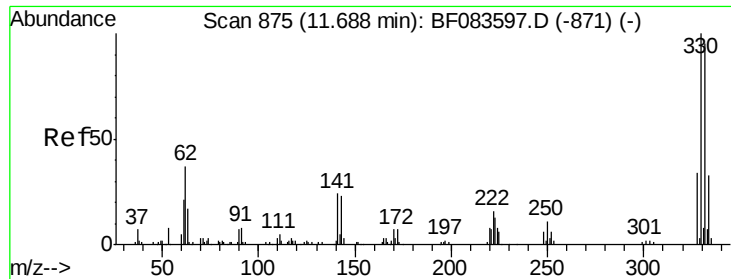
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.38 min Scan# 761  
 Delta R.T. 0.00 min  
 Lab File: BF083612.D  
 Acq: 8 Dec 2015 23:51

Tgt Ion: 164 Resp: 308678  
 Ion Ratio Lower Upper  
 164 100  
 162 100.2 78.8 118.2  
 160 45.1 33.4 50.2



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

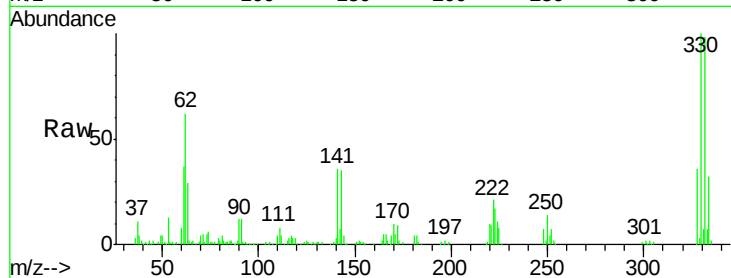




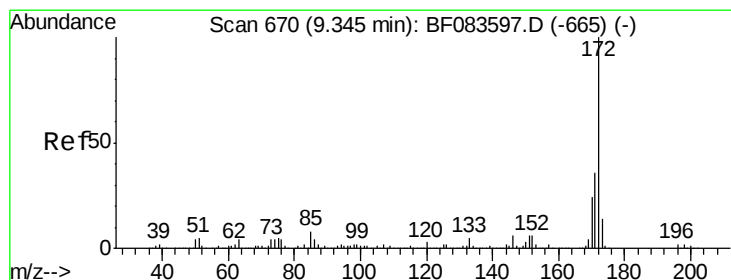
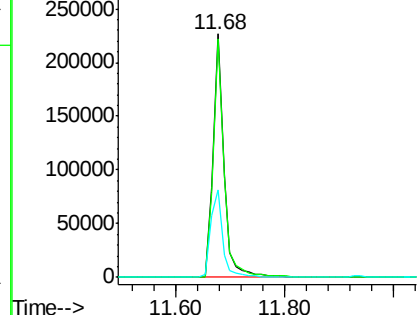
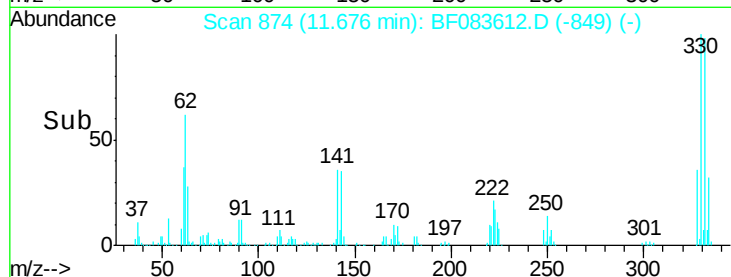
#41  
 2,4,6-Tribromophenol  
 Concen: 116.26 ng  
 RT: 11.68 min Scan# 874  
 Delta R.T. -0.01 min  
 Lab File: BF083612.D  
 Acq: 8 Dec 2015 23:51

Instrument :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 0.0   | 0.0#  |
| 141     | 39.9  | 0.0   | 0.0#  |

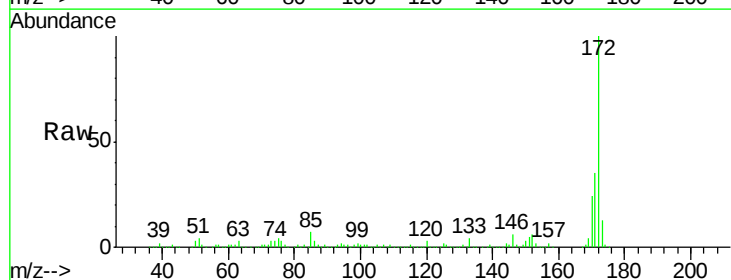


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

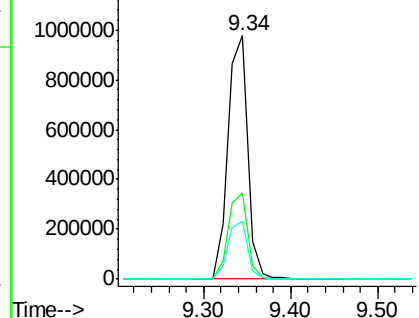
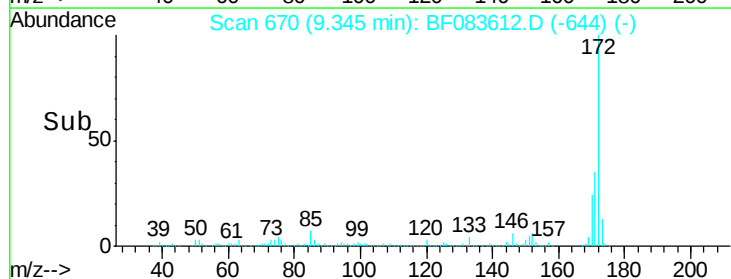


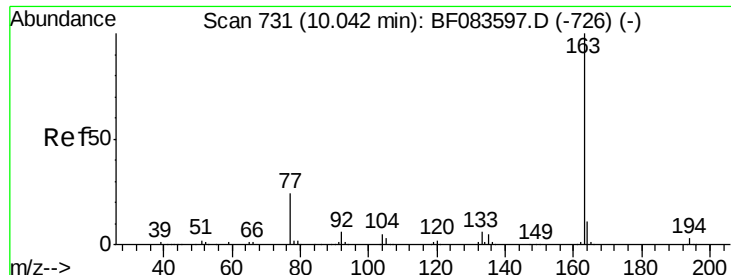
#44  
 2-Fluorobiphenyl  
 Concen: 70.85 ng  
 RT: 9.34 min Scan# 670  
 Delta R.T. 0.00 min  
 Lab File: BF083612.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 28.6  | 42.8  |
| 170     | 23.8  | 19.4  | 29.0  |



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

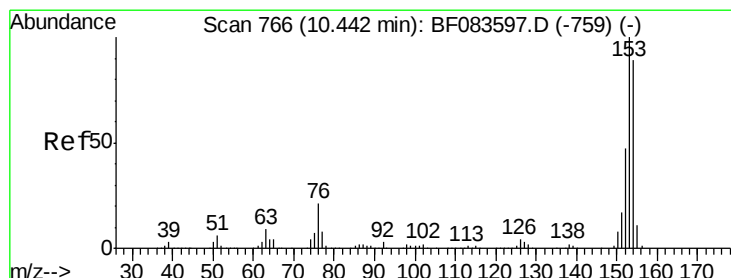
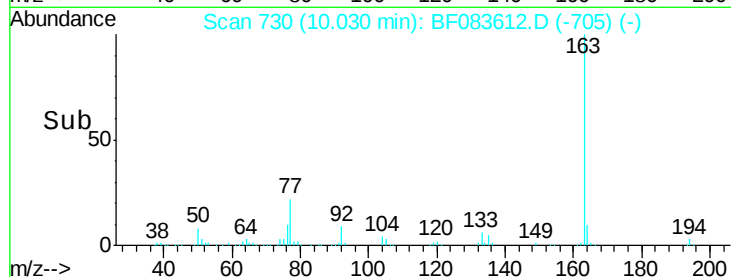
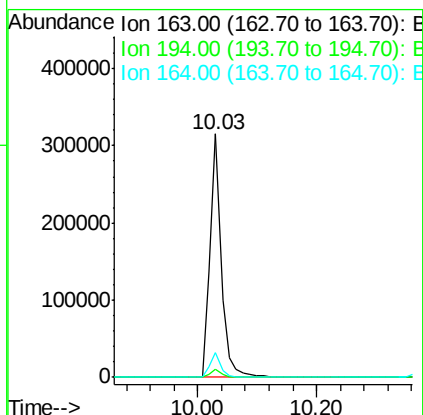
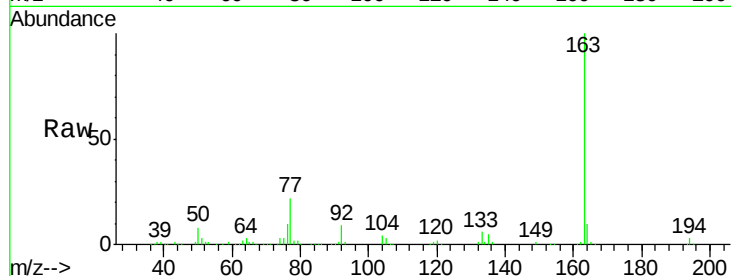




#49  
Dimethylphthalate  
Concen: 16.92 ng  
RT: 10.03 min Scan# 730  
Delta R.T. -0.01 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

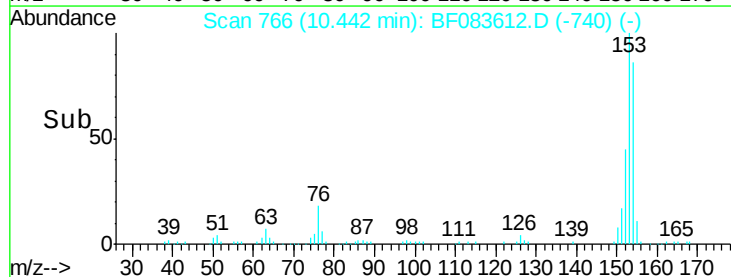
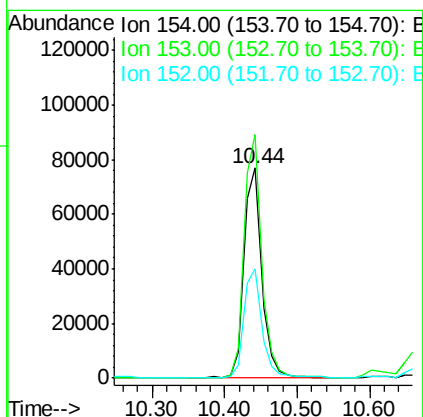
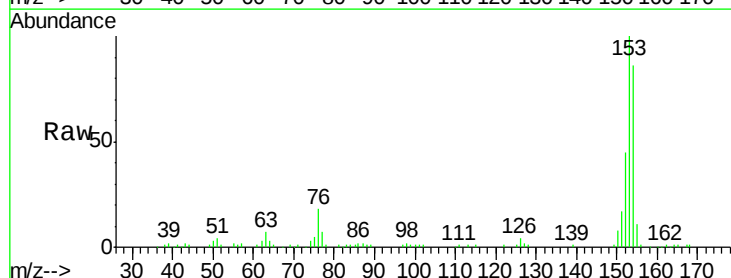
Instrument :  
BNA\_F  
ClientSampleId :  
PCPY1

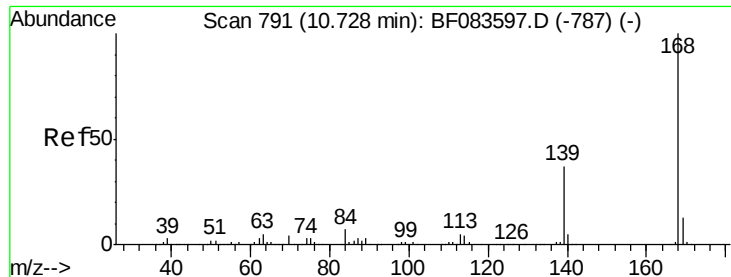
Tgt Ion:163 Resp: 415819  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.8 4.2  
164 9.9 8.6 13.0



#51  
Acenaphthene  
Concen: 6.92 ng  
RT: 10.44 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

Tgt Ion:154 Resp: 132332  
Ion Ratio Lower Upper  
154 100  
153 115.9 91.4 137.0  
152 51.7 43.4 65.2

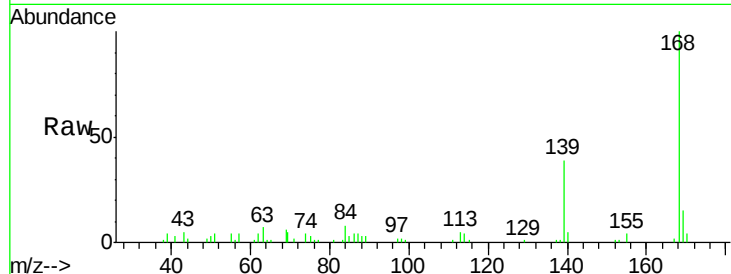




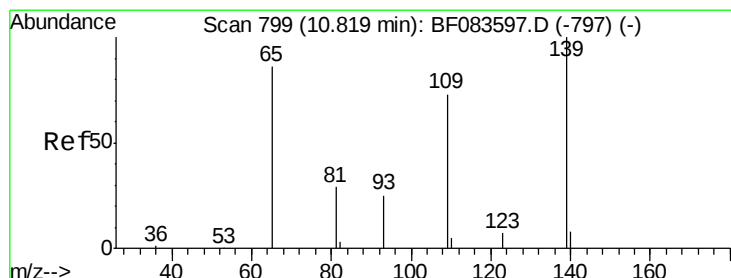
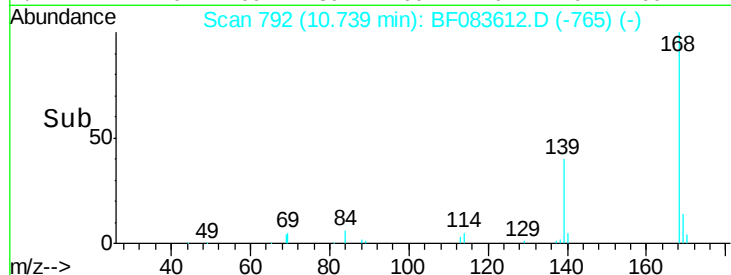
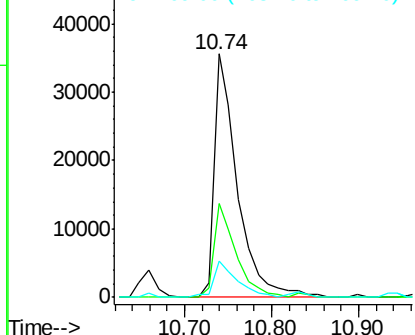
#54  
Dibenzofuran  
Concen: 2.50 ng  
RT: 10.74 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
PCPY1

Tgt Ion:168 Resp: 66316  
Ion Ratio Lower Upper  
168 100  
139 38.8 28.0 42.0  
169 14.8 10.8 16.2

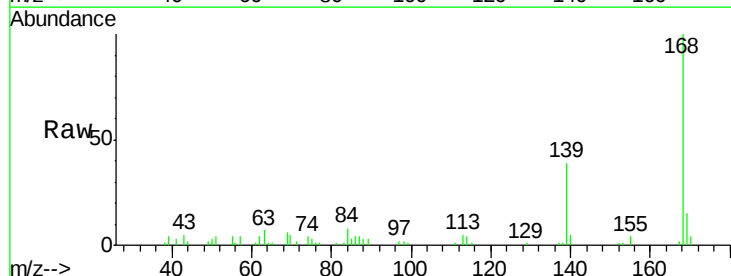


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

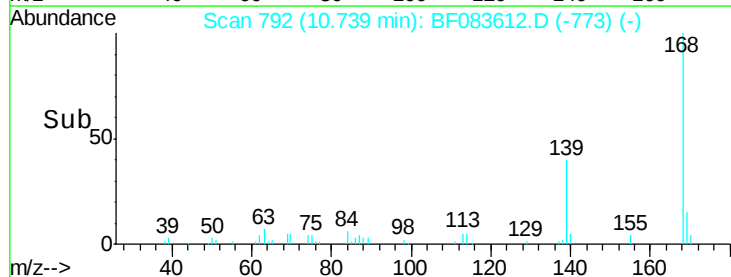
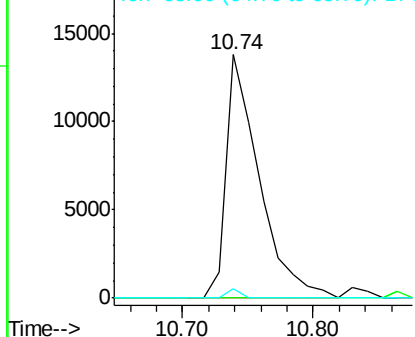


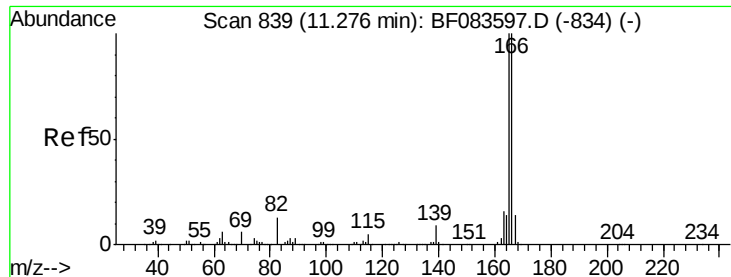
#55  
4-Nitrophenol  
Concen: 10.23 ng  
RT: 10.74 min Scan# 792  
Delta R.T. -0.08 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

Tgt Ion:139 Resp: 24276  
Ion Ratio Lower Upper  
139 100  
109 0.0 42.0 82.0#  
65 3.8 89.2 129.2#



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

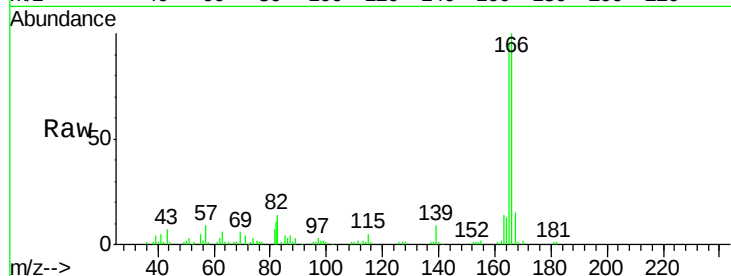




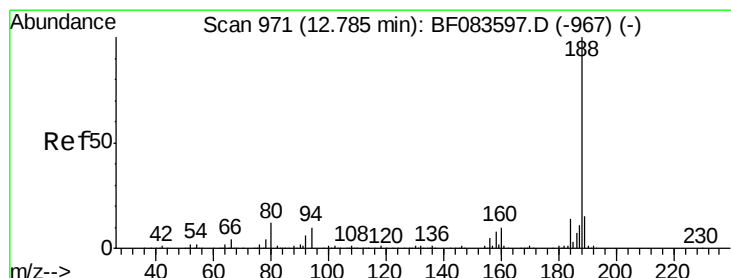
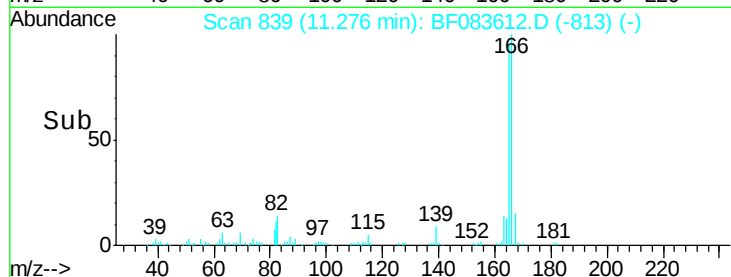
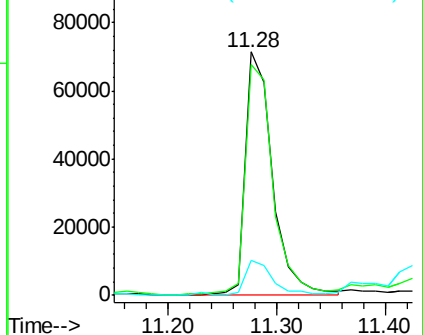
#57  
**Fluorene**  
 Concen: 5.32 ng  
 RT: 11.28 min Scan# 839  
 Delta R.T. 0.00 min  
 Lab File: BF083612.D  
 Acq: 8 Dec 2015 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PCPY1

Tgt Ion:166 Resp: 123164  
 Ion Ratio Lower Upper  
 166 100  
 165 94.9 80.0 120.0  
 167 14.6 10.6 16.0

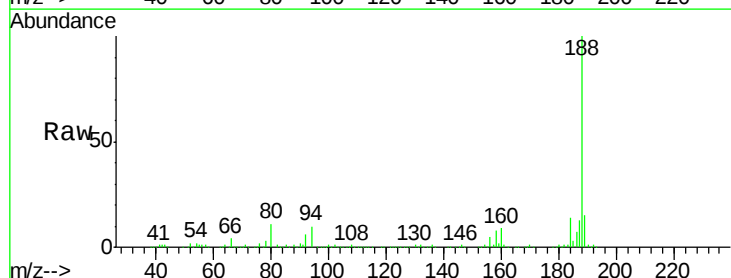


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

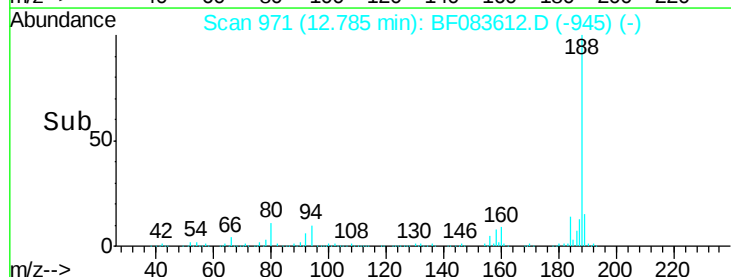
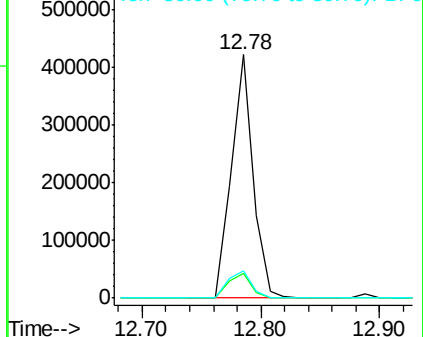


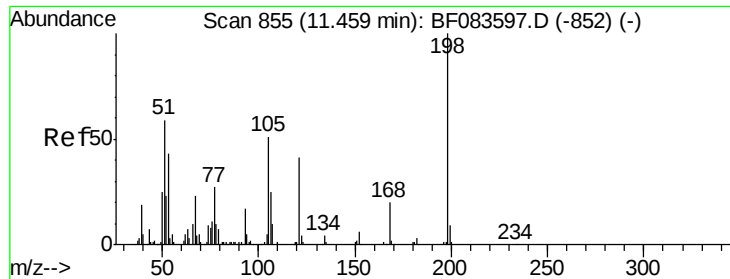
#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 12.78 min Scan# 971  
 Delta R.T. -0.00 min  
 Lab File: BF083612.D  
 Acq: 8 Dec 2015 23:51

Tgt Ion:188 Resp: 534270  
 Ion Ratio Lower Upper  
 188 100  
 94 10.2 9.4 14.2  
 80 11.1 10.6 16.0



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





#64

4,6-Dinitro-2-methylphenol

Concen: 2.16 ng

RT: 11.68 min Scan# 874

Delta R.T. 0.22 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

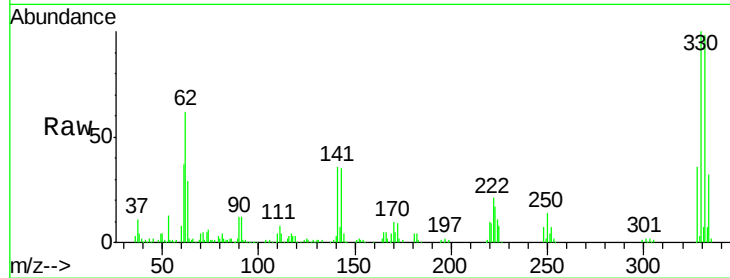
Tgt Ion:198 Resp: 793

Ion Ratio Lower Upper

198 100

51 261.4 53.8 93.8#

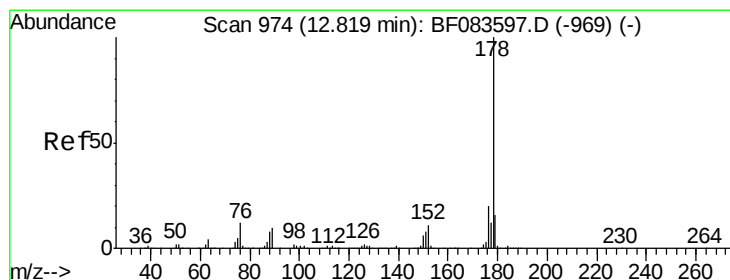
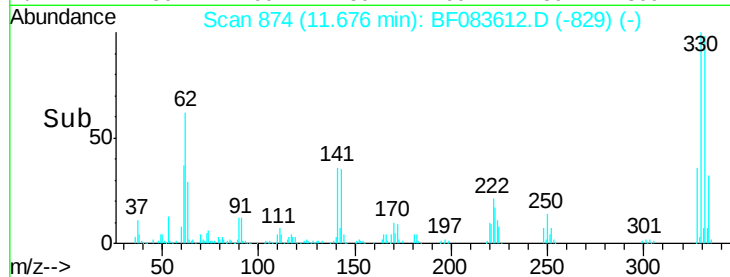
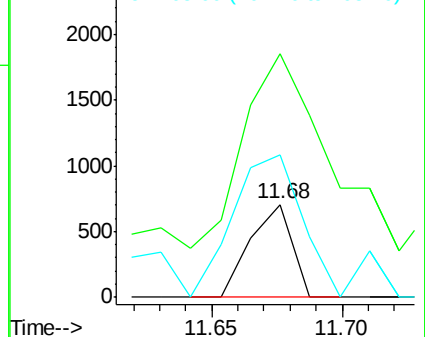
105 152.8 38.6 78.6#



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



#70

Phenanthrene

Concen: 60.62 ng

RT: 12.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

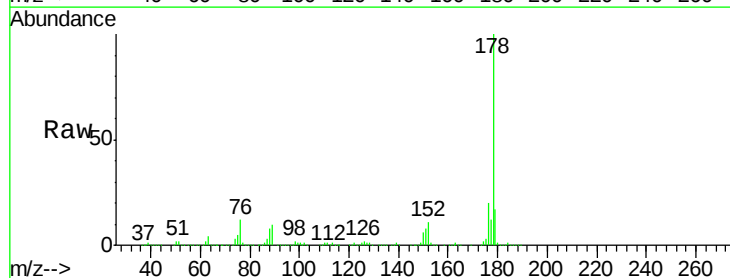
Tgt Ion:178 Resp: 1860920

Ion Ratio Lower Upper

178 100

176 20.3 15.7 23.5

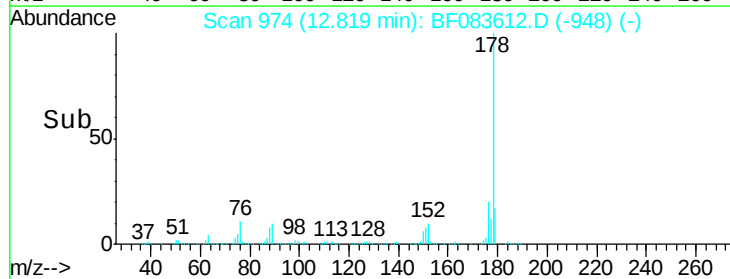
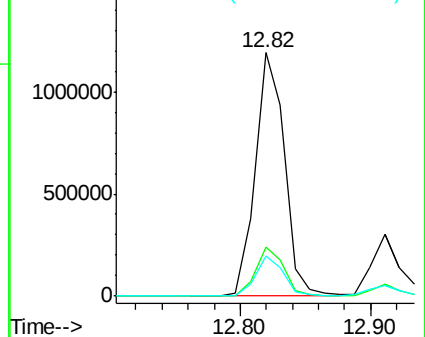
179 16.6 12.2 18.4

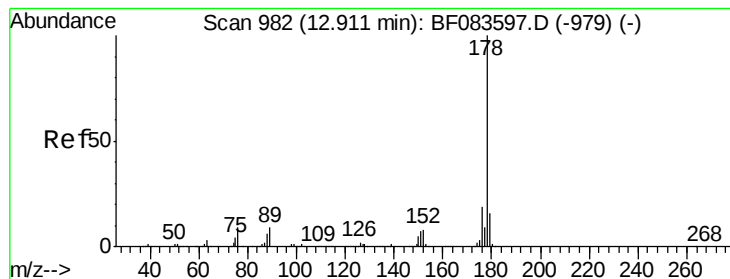


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 14.59 ng

RT: 12.91 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

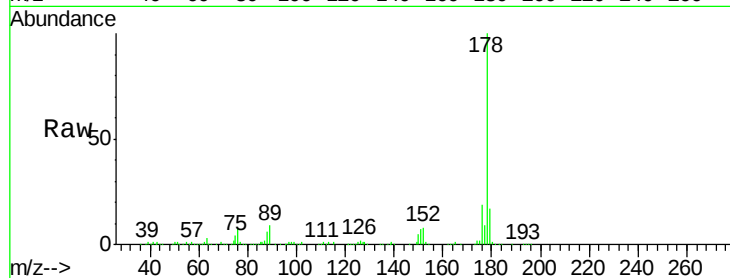
Tgt Ion:178 Resp: 463976

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

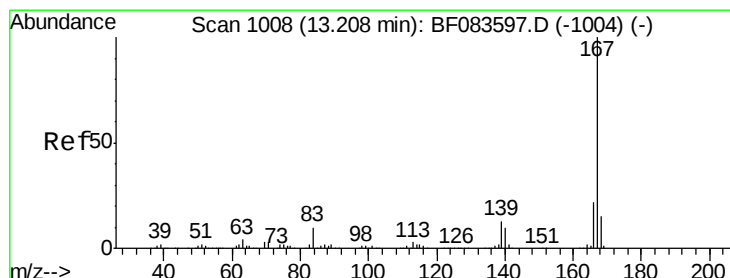
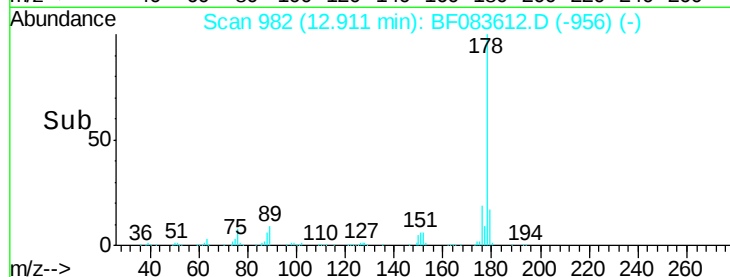
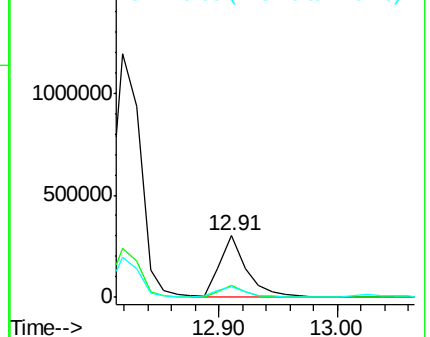
179 17.2 12.6 18.8



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: 5.90 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

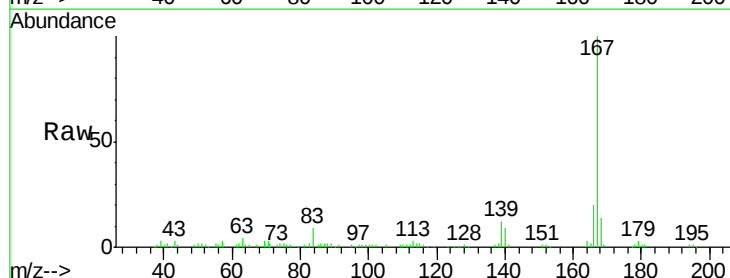
Tgt Ion:167 Resp: 160930

Ion Ratio Lower Upper

167 100

166 19.7 17.2 25.8

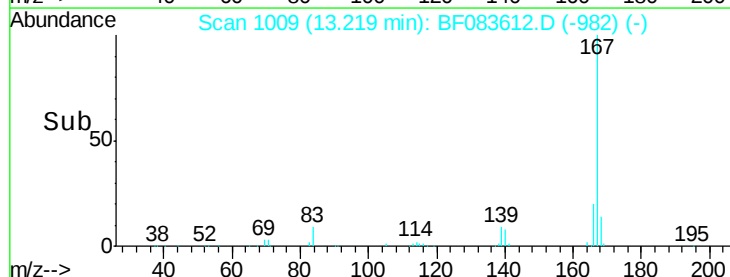
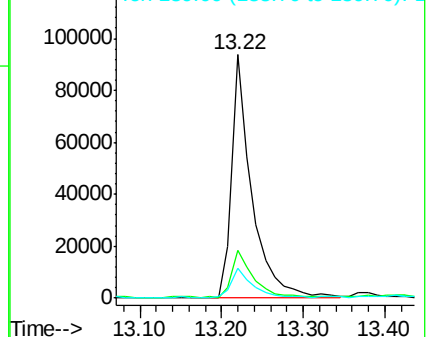
139 12.1 9.3 13.9

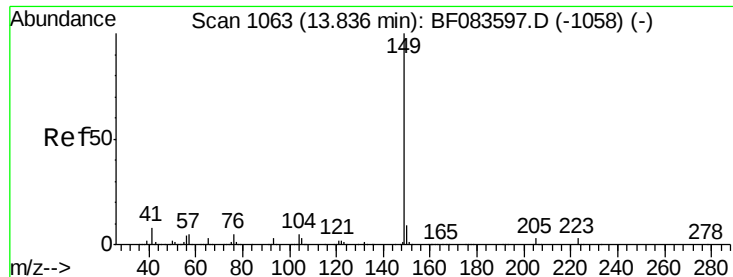


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.05 ng

RT: 13.83 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

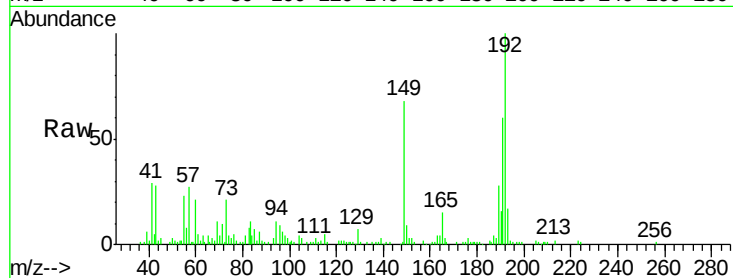
Tgt Ion:149 Resp: 70169

Ion Ratio Lower Upper

149 100

150 12.9 7.8 11.6#

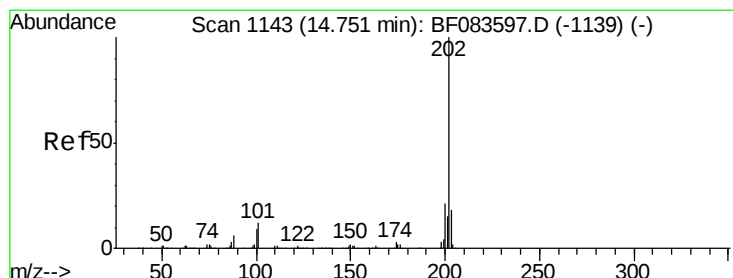
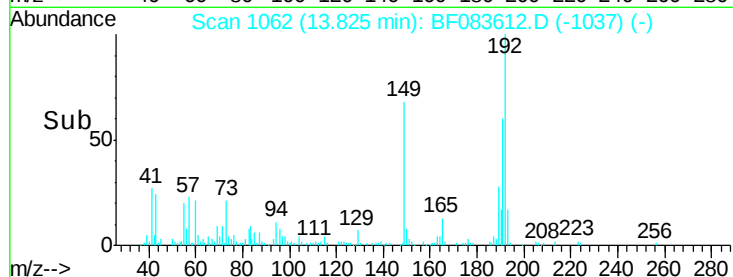
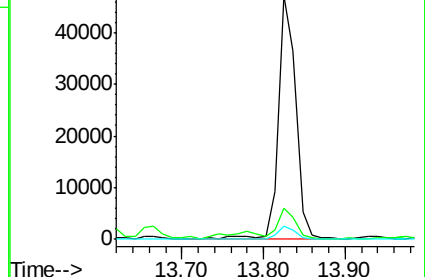
104 5.3 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 75.67 ng

RT: 14.75 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

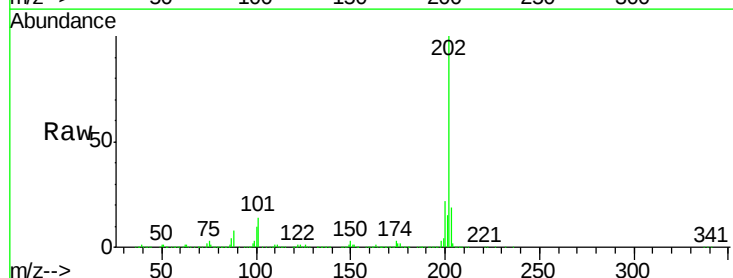
Tgt Ion:202 Resp: 2376078

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.5

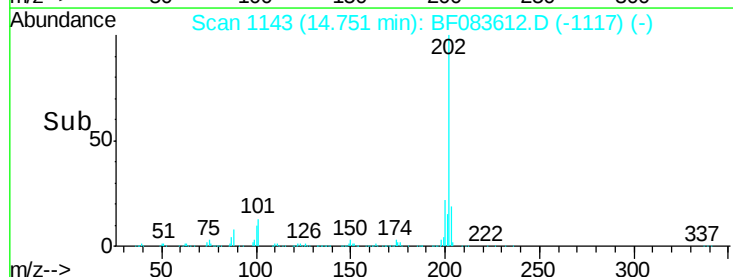
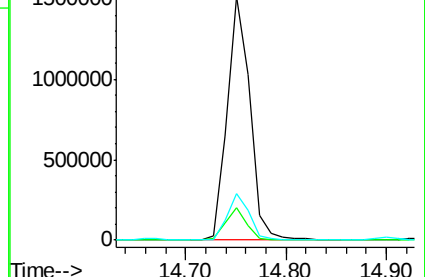
203 18.9 0.0 37.6

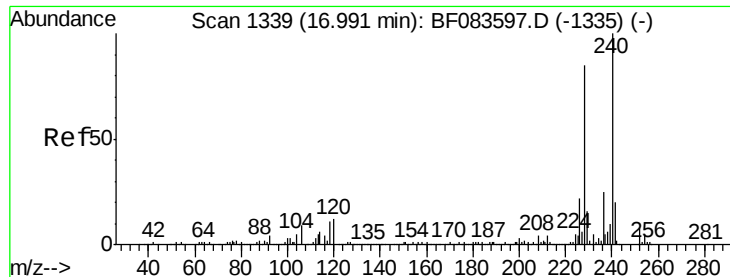


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.99 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

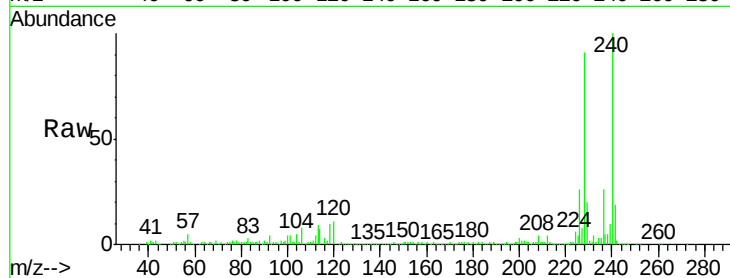
Tgt Ion:240 Resp: 335817

Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

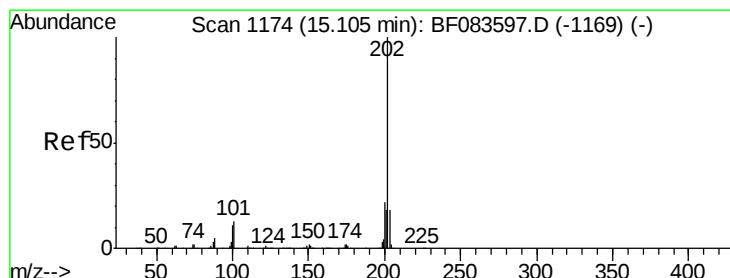
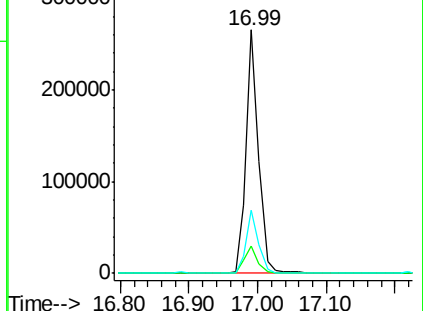
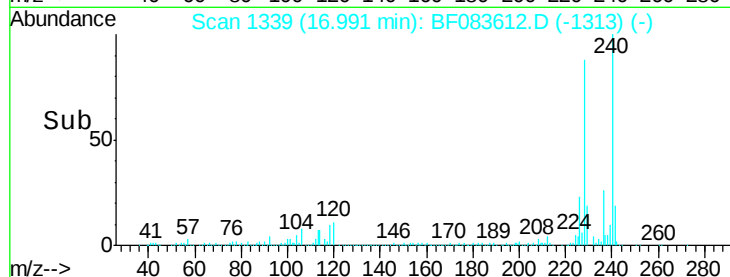
236 25.9 20.8 31.2



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: 83.83 ng

RT: 15.11 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

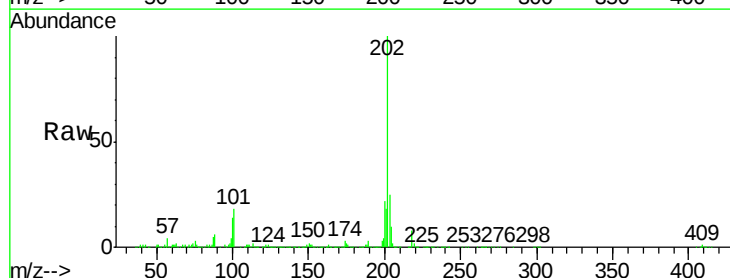
Tgt Ion:202 Resp: 2026667

Ion Ratio Lower Upper

202 100

200 22.5 16.7 25.1

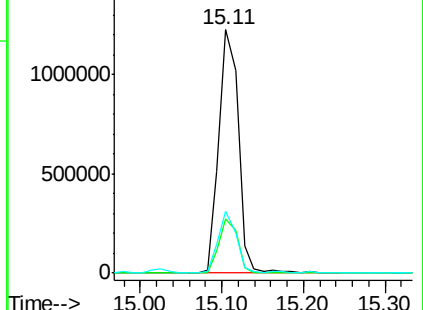
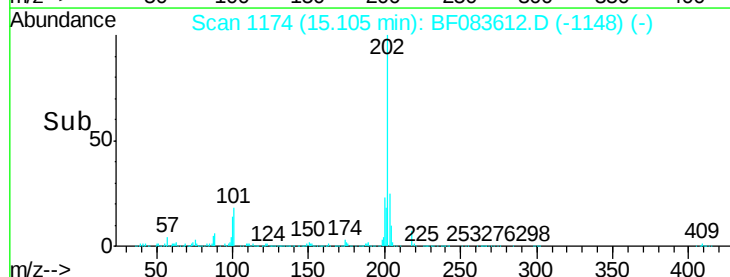
203 25.2 14.3 21.5#

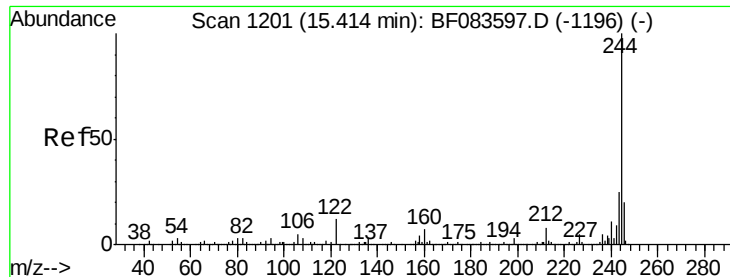


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.86 ng

RT: 15.41 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

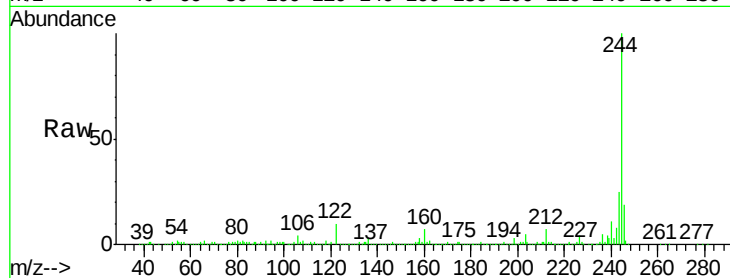
Tgt Ion:244 Resp: 1096993

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

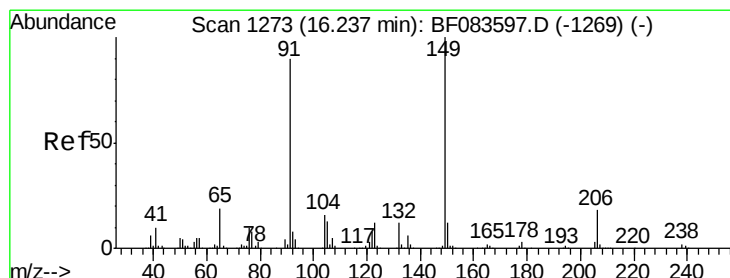
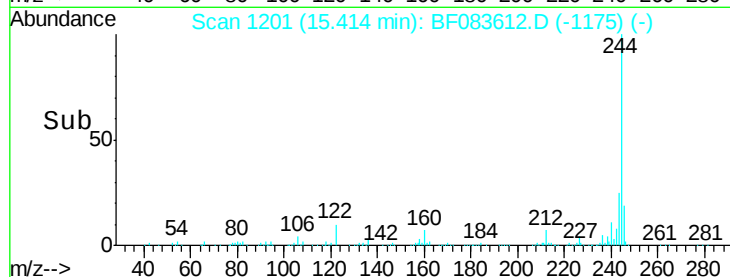
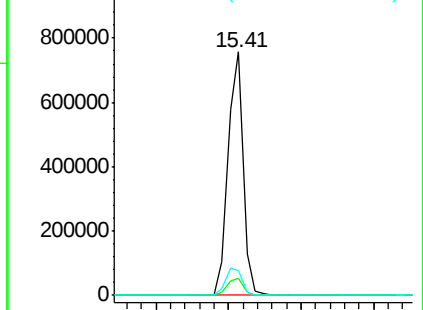
122 10.3 11.0 16.6#



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: 4.68 ng

RT: 16.24 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

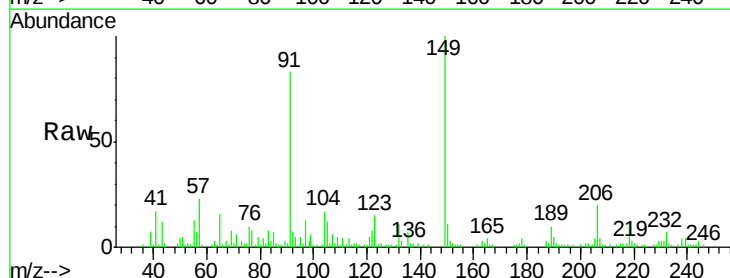
Tgt Ion:149 Resp: 50241

Ion Ratio Lower Upper

149 100

91 83.2 60.0 90.0

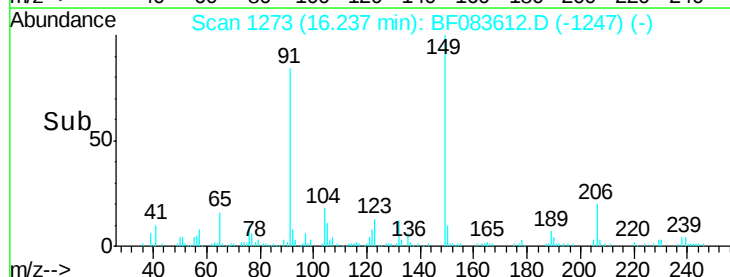
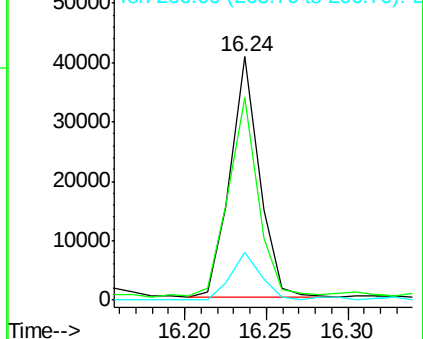
206 19.8 16.2 24.4

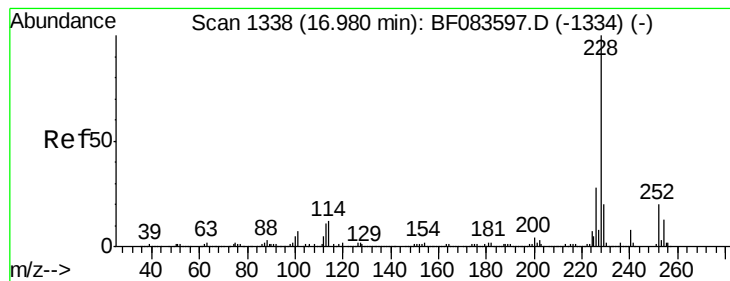


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

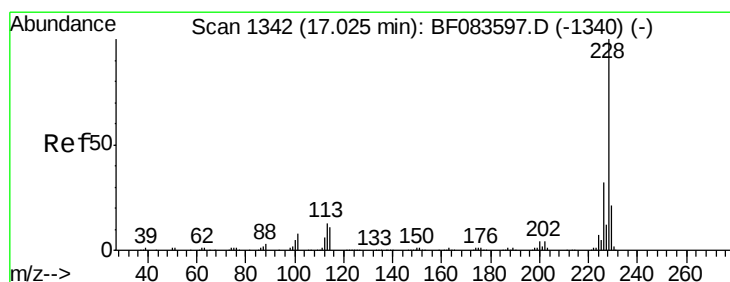
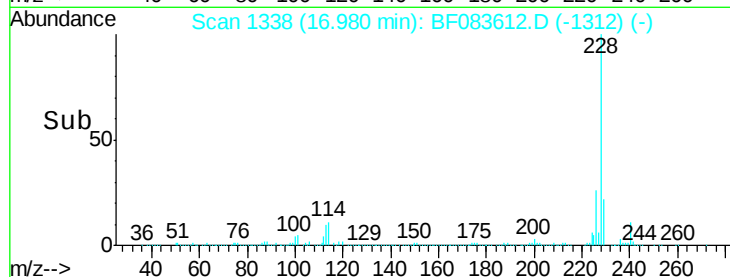
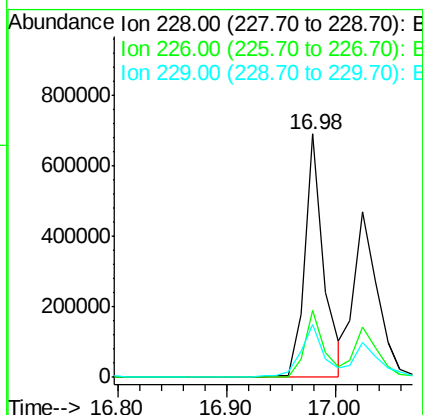
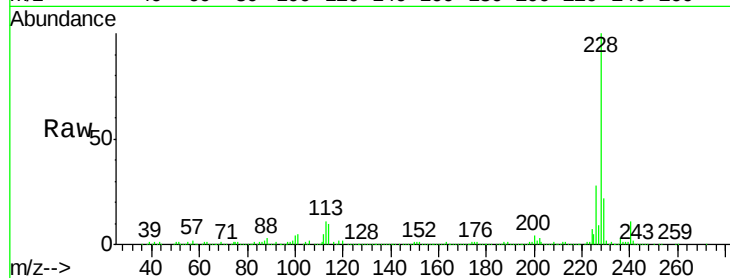




#80  
Benzo(a)anthracene  
Concen: 42.57 ng  
RT: 16.98 min Scan# 1338  
Delta R.T. -0.00 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

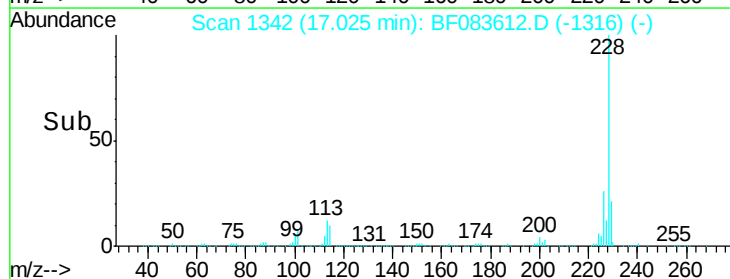
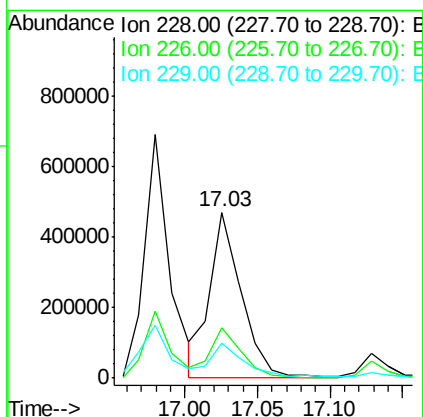
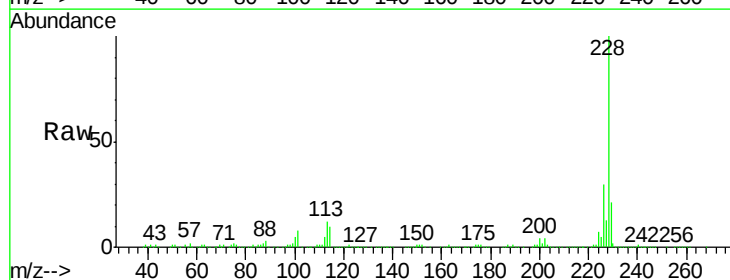
Instrument :  
BNA\_F  
ClientSampled :  
PCPY1

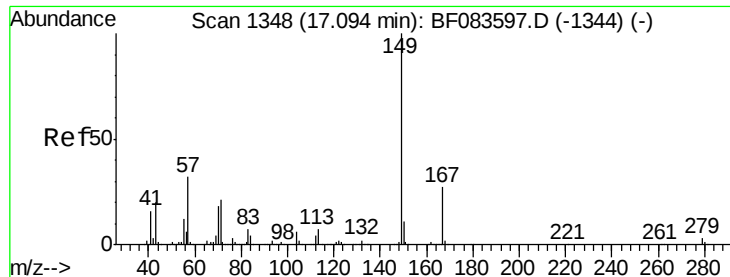
Tgt Ion:228 Resp: 836759  
Ion Ratio Lower Upper  
228 100  
226 27.8 22.3 33.5  
229 21.9 15.7 23.5



#82  
Chrysene  
Concen: 36.05 ng  
RT: 17.03 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

Tgt Ion:228 Resp: 710286  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.7 37.1  
229 20.8 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.43 ng

RT: 17.08 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

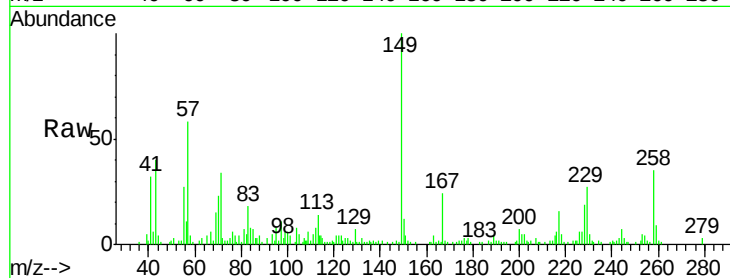
Tgt Ion:149 Resp: 51054

Ion Ratio Lower Upper

149 100

167 24.4 21.8 32.8

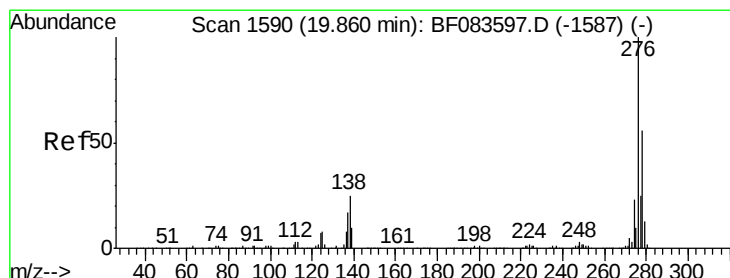
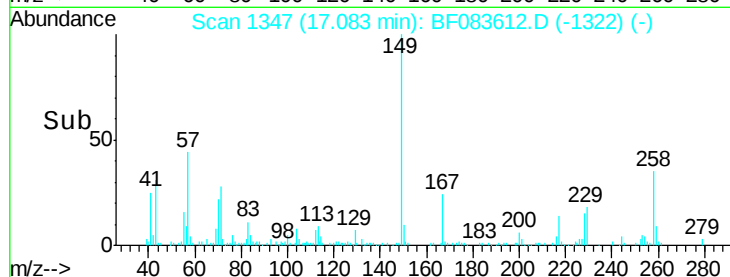
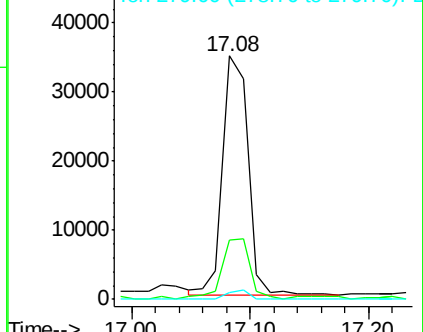
279 2.6 3.0 4.4#



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: 27.45 ng

RT: 19.88 min Scan# 1592

Delta R.T. 0.02 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

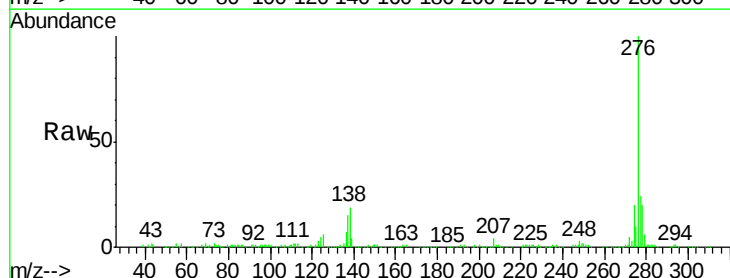
Tgt Ion:276 Resp: 365060

Ion Ratio Lower Upper

276 100

138 23.4 0.0 0.0#

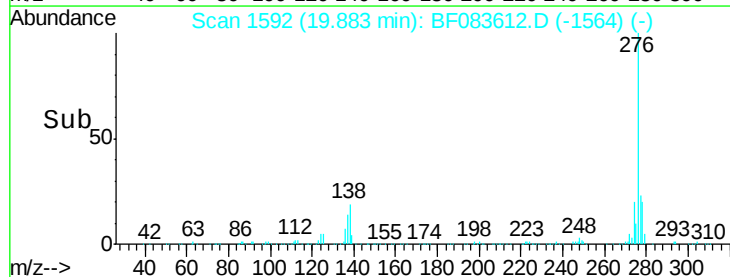
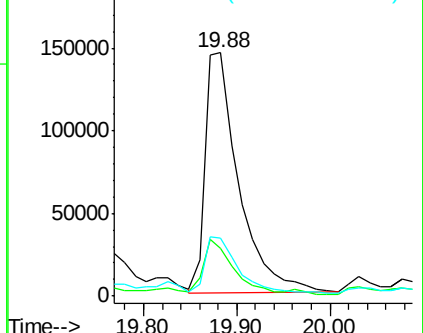
277 23.4 0.0 0.0#

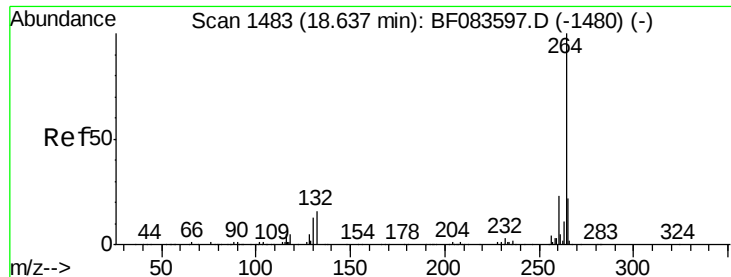


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

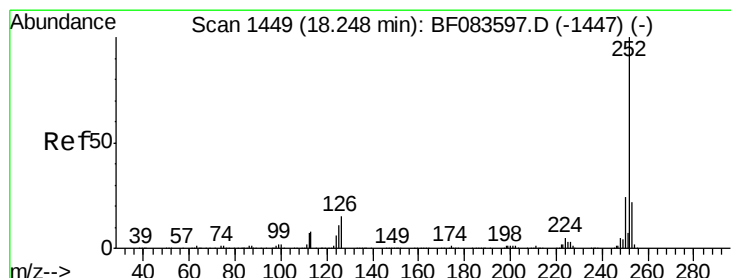
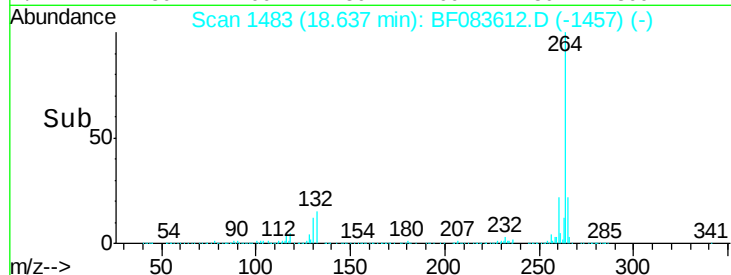
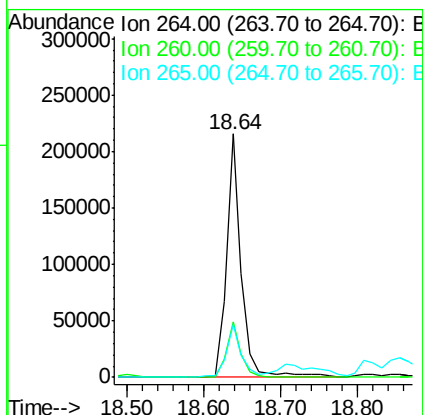
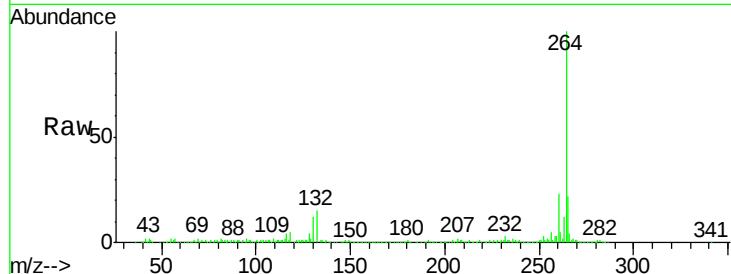




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 18.64 min Scan# 1483  
Delta R.T. 0.00 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

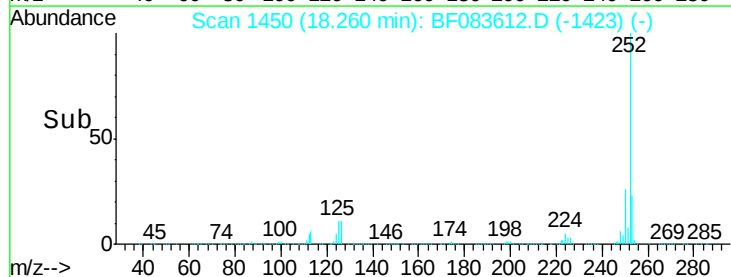
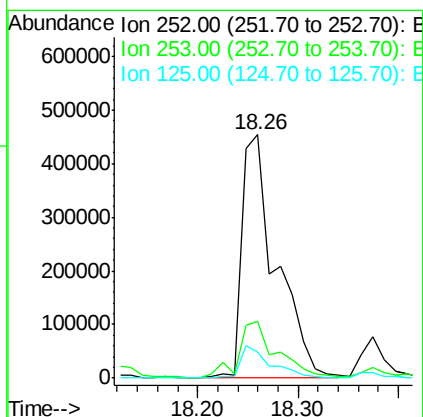
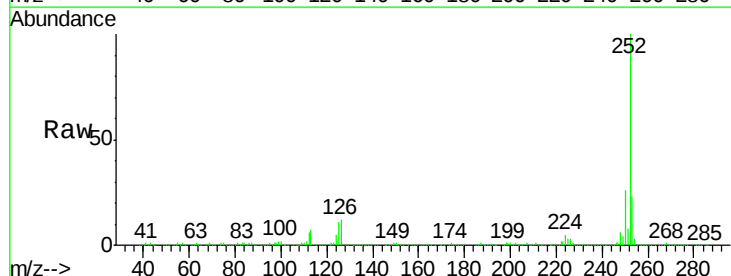
Instrument :  
BNA\_F  
ClientSampleId :  
PCPY1

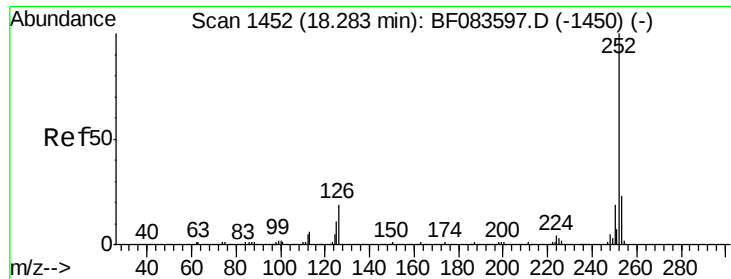
Tgt Ion:264 Resp: 292869  
Ion Ratio Lower Upper  
264 100  
260 22.6 19.4 29.0  
265 21.9 17.8 26.6



#87  
Benzo(b)fluoranthene  
Concen: 63.27 ng  
RT: 18.26 min Scan# 1450  
Delta R.T. 0.01 min  
Lab File: BF083612.D  
Acq: 8 Dec 2015 23:51

Tgt Ion:252 Resp: 1055251  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.2 27.4  
125 10.9 8.2 12.4





#88

Benzo(k)fluoranthene

Concen: 5.89 ng

RT: 18.37 min Scan# 1460

Delta R.T. 0.09 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

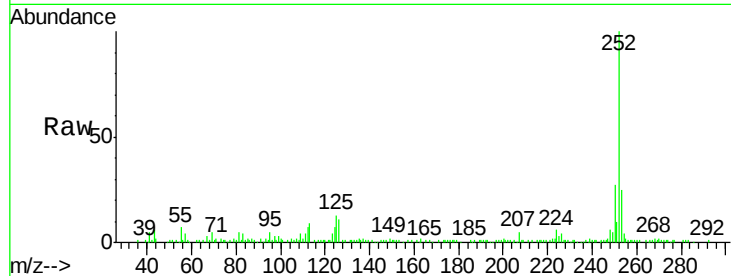
Tgt Ion:252 Resp: 108169

Ion Ratio Lower Upper

252 100

253 24.8 18.6 27.8

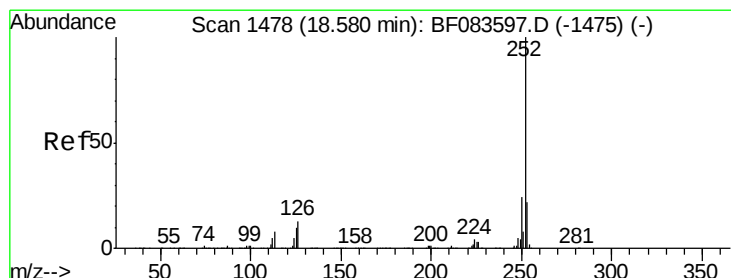
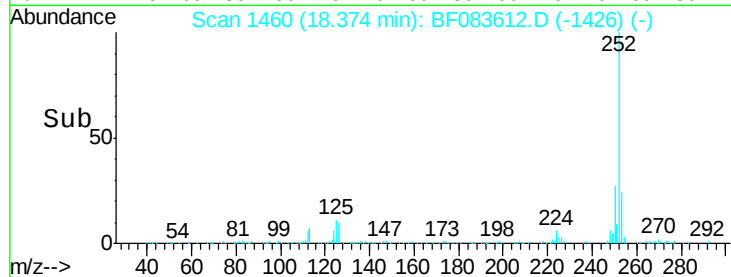
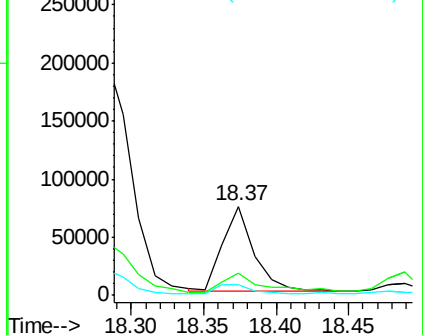
125 12.6 11.5 17.3



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: 23.22 ng

RT: 18.52 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

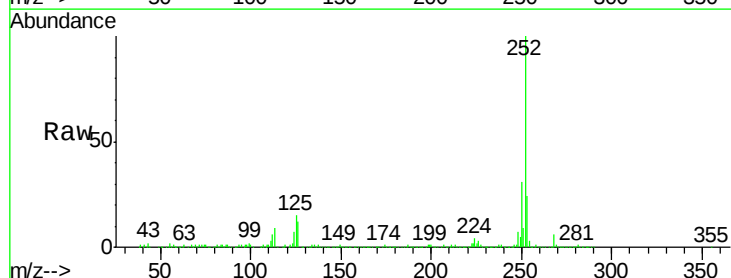
Tgt Ion:252 Resp: 377807

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

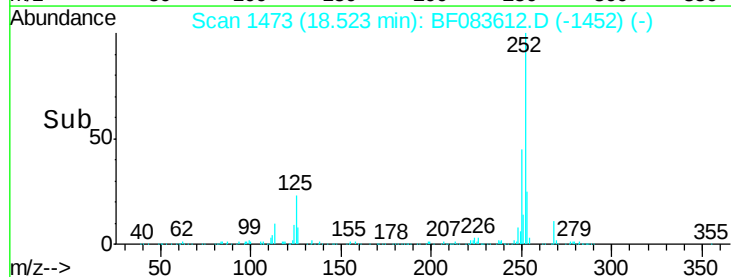
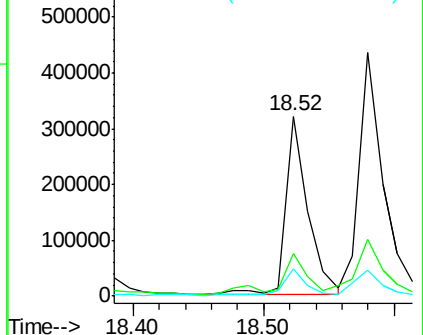
125 15.3 11.0 16.6

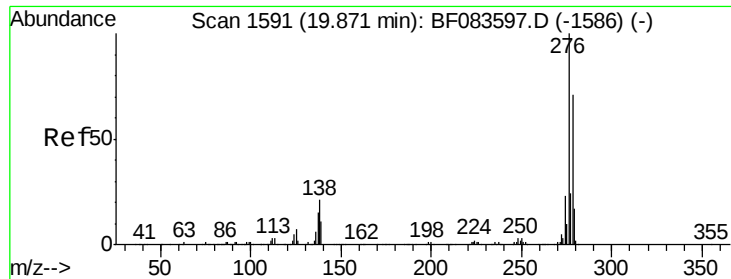


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.59 ng

RT: 19.89 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA\_F

ClientSampleId :

PCPY1

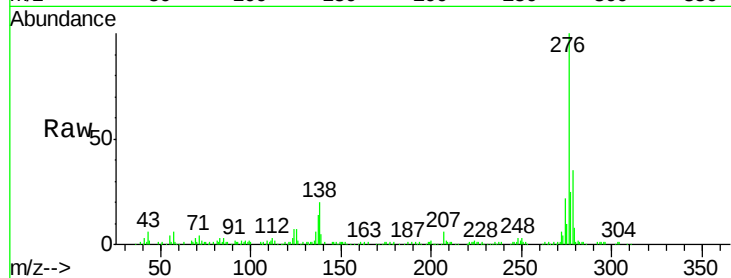
Tgt Ion:278 Resp: 119334

Ion Ratio Lower Upper

278 100

139 15.6 12.8 19.2

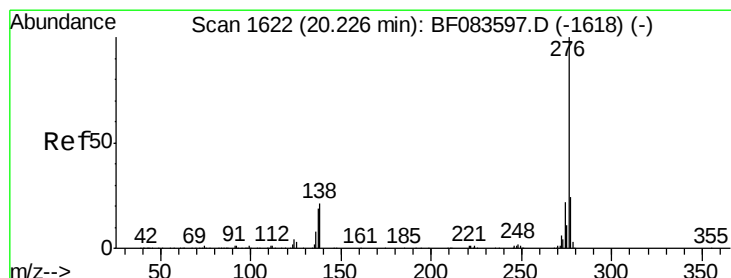
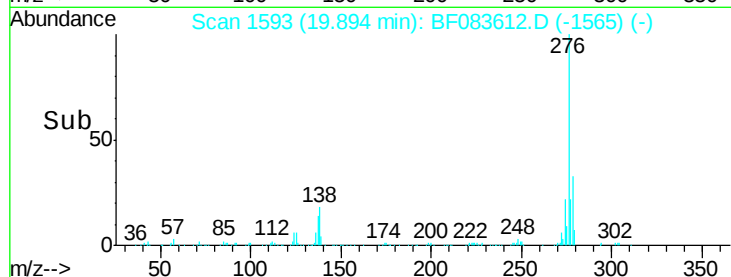
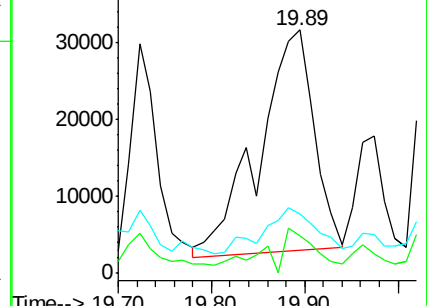
279 24.2 18.6 28.0



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: 29.35 ng

RT: 20.23 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

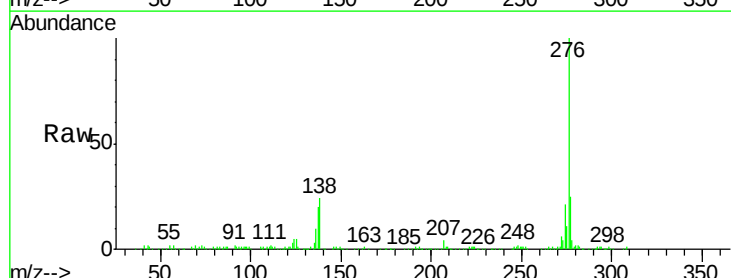
Tgt Ion:276 Resp: 356023

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 24.0 19.5 29.3



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

