

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052715\  
 Data File : BF079533.D  
 Acq On : 27 May 2015 22:23  
 Operator : TP/IZ  
 Sample : G2359-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-27D

Quant Time: May 28 00:58:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 28 00:48:25 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.00  | 152  | 79909    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.58  | 136  | 329628   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.74 | 164  | 163282   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.58 | 188  | 308987   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 15.86 | 240  | 325537   | 20.00 | ng    | -0.08    |
| 86) Perylene-d12          | 17.53 | 264  | 351157   | 20.00 | ng    | -0.35    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.28  | 112  | 399447   | 86.70 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 549569   | 93.59 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.70  | 82   | 332929   | 58.38 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.73 | 330  | 170487   | 95.06 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.93  | 172  | 591952   | 51.72 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.57 | 244  | 640591   | 46.18 | ng    | -0.02    |

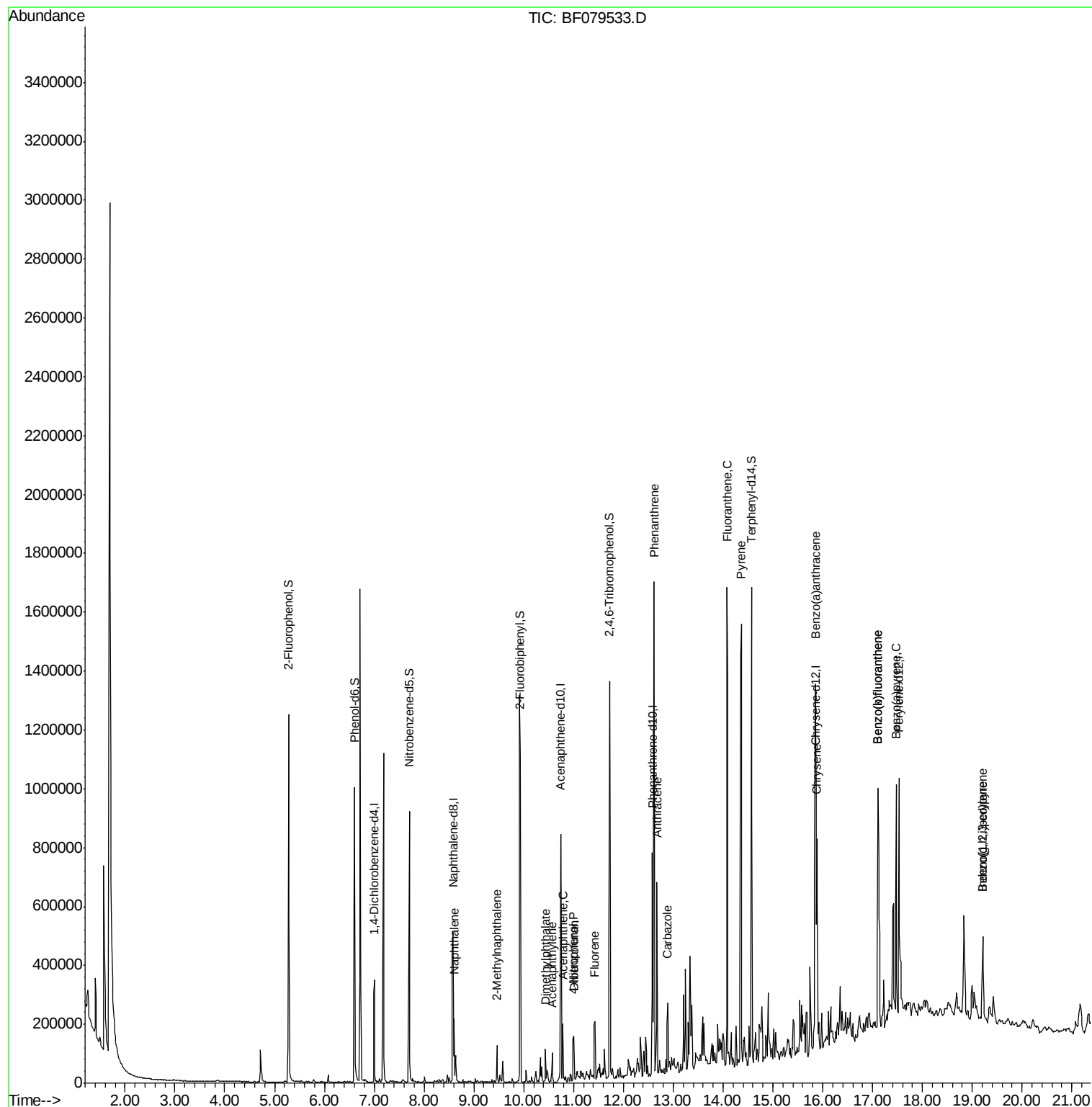
| Target Compounds           | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|----------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde            | 6.46  | 77   | 1061     | Below Cal | #     | 76     |
| 31) Naphthalene            | 8.60  | 128  | 97543    | 6.17      | ng    | 99     |
| 37) 2-Methylnaphthalene    | 9.46  | 142  | 35475    | 3.23      | ng    | 97     |
| 48) Acenaphthylene         | 10.57 | 152  | 37644    | 2.25      | ng    | 99     |
| 49) Dimethylphthalate      | 10.43 | 163  | 46402    | 3.86      | ng    | 99     |
| 51) Acenaphthene           | 10.79 | 154  | 67973    | 7.11      | ng    | 99     |
| 54) Dibenzofuran           | 11.00 | 168  | 84512    | 5.99      | ng    | 94     |
| 55) 4-Nitrophenol          | 10.99 | 139  | 32746    | 18.89     | ng    | # 13   |
| 57) Fluorene               | 11.43 | 166  | 80387    | 6.92      | ng    | 99     |
| 70) Phenanthrene           | 12.62 | 178  | 973866   | 57.45     | ng    | 100    |
| 71) Anthracene             | 12.67 | 178  | 265171   | 15.41     | ng    | 99     |
| 72) Carbazole              | 12.89 | 167  | 126870   | 7.66      | ng    | 97     |
| 73) Di-n-butylphthalate    | 13.35 | 149  | 3845     | Below Cal | #     | 32     |
| 74) Fluoranthene           | 14.08 | 202  | 938865   | 51.65     | ng    | 93     |
| 77) Pyrene                 | 14.37 | 202  | 813433   | 40.33     | ng    | 100    |
| 80) Benzo(a)anthracene     | 15.85 | 228  | 487986   | 26.06     | ng    | 99     |
| 82) Chrysene               | 15.89 | 228  | 326828   | 18.36     | ng    | 97     |
| 85) Indeno(1,2,3-cd)pyrene | 19.21 | 276  | 215526   | 9.41      | ng    | 96     |
| 87) Benzo(b)fluoranthene   | 17.11 | 252  | 632500   | 31.58     | ng    | # 97   |
| 88) Benzo(k)fluoranthene   | 17.11 | 252  | 633626   | 35.38     | ng    | # 96   |
| 89) Benzo(a)pyrene         | 17.47 | 252  | 374696   | 20.28     | ng    | 99     |
| 90) Dibenz(a,h)anthracene  | 18.91 | 278  | 20580    | Below Cal | #     | 78     |
| 91) Benzo(g,h,i)perylene   | 19.21 | 276  | 215526   | 9.99      | ng    | 97     |

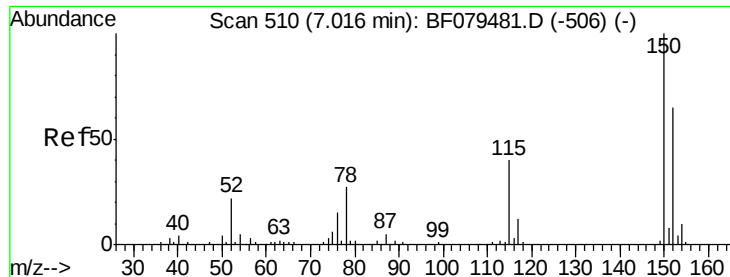
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

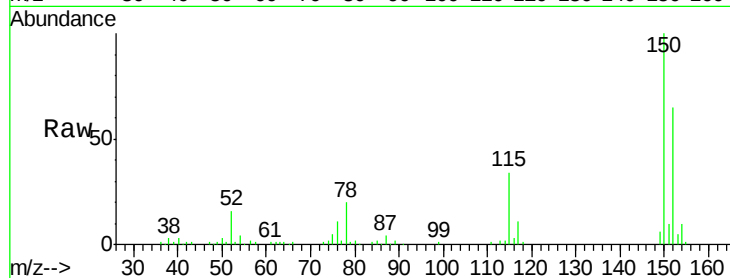
Tgt Ion:152 Resp: 79909

Ion Ratio Lower Upper

152 100

150 153.1 124.0 186.0

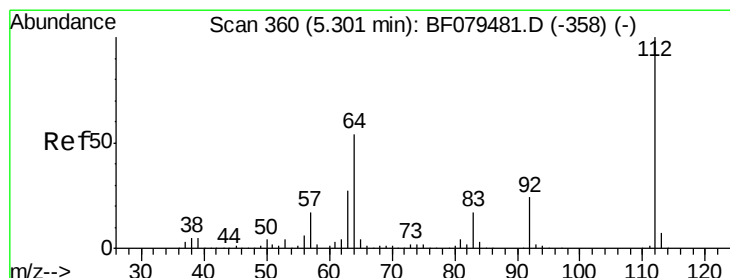
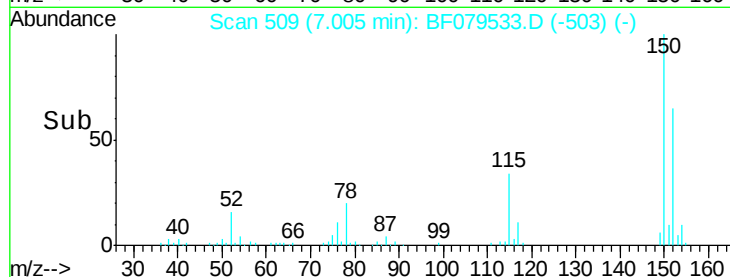
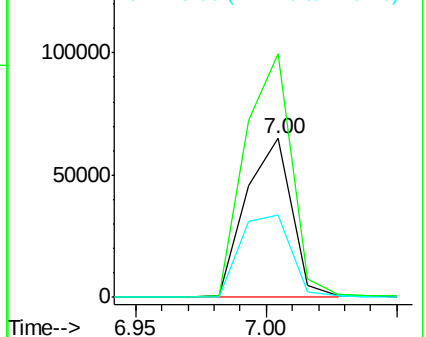
115 51.9 49.6 74.4



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: 86.70 ng

RT: 5.28 min Scan# 358

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

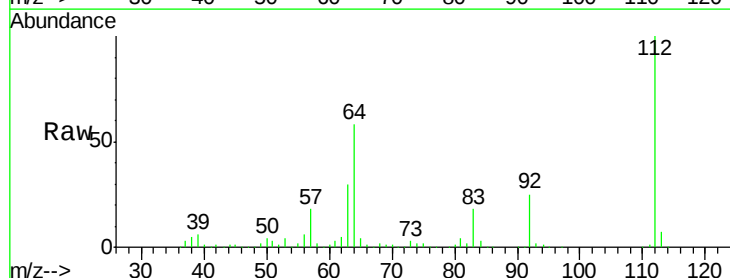
Tgt Ion:112 Resp: 399447

Ion Ratio Lower Upper

112 100

64 58.3 43.5 65.3

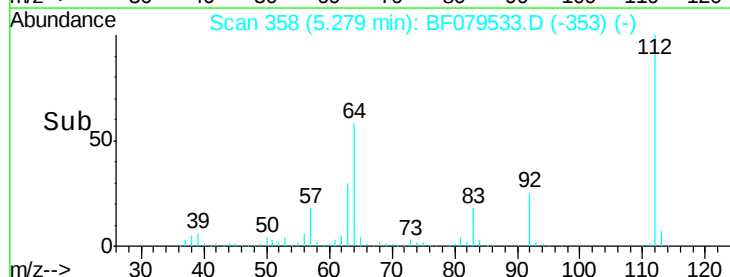
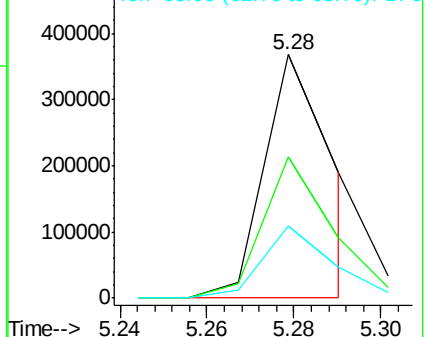
63 29.7 21.8 32.8

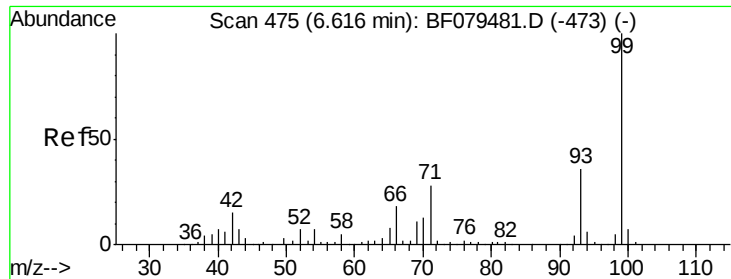


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.59 ng

RT: 6.60 min Scan# 474

Delta R.T. 0.01 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampled :

SB-27D

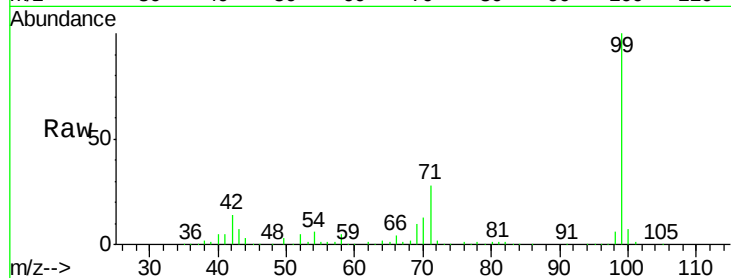
Tgt Ion: 99 Resp: 549569

Ion Ratio Lower Upper

99 100

42 14.2 11.9 17.9

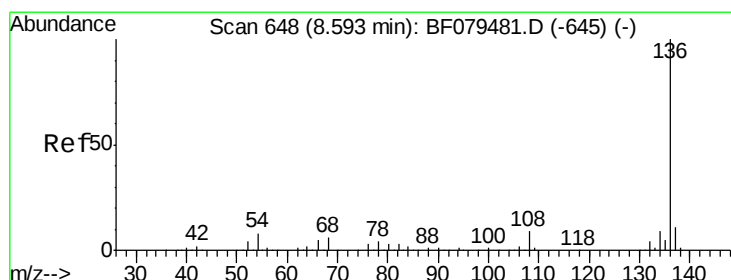
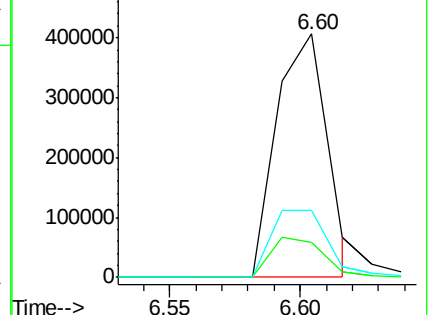
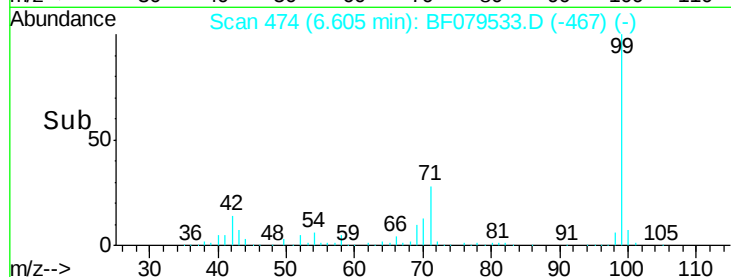
71 27.8 22.1 33.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Tgt Ion: 136 Resp: 329628

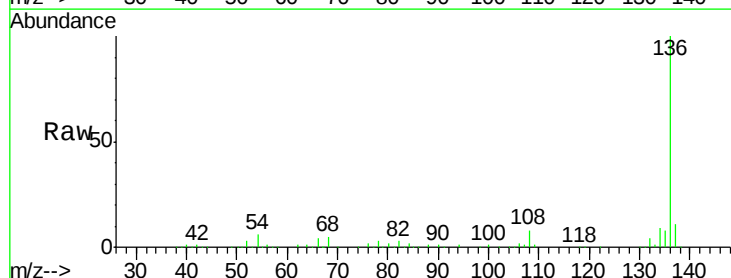
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 5.8 6.6 9.8#

68 4.6 4.7 7.1#

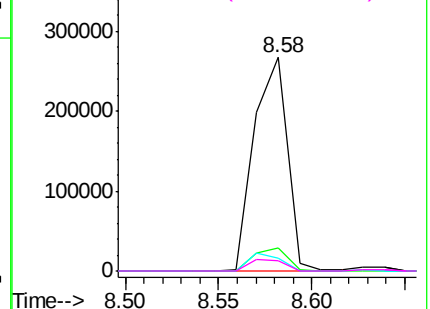
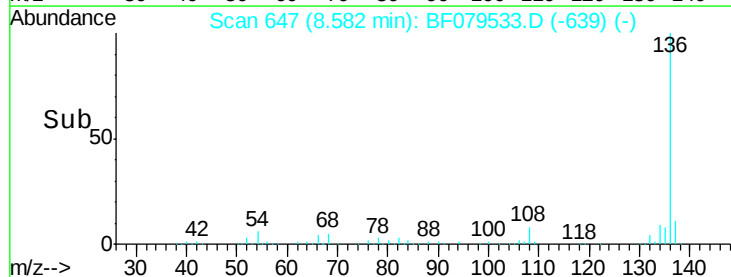


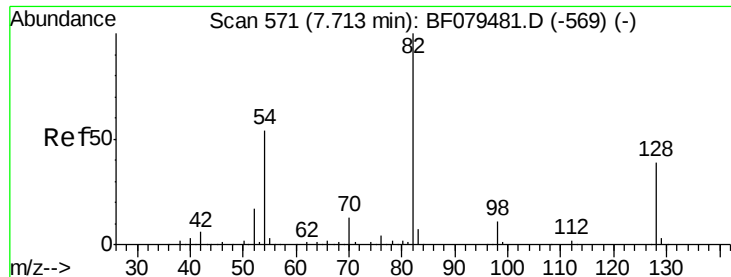
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

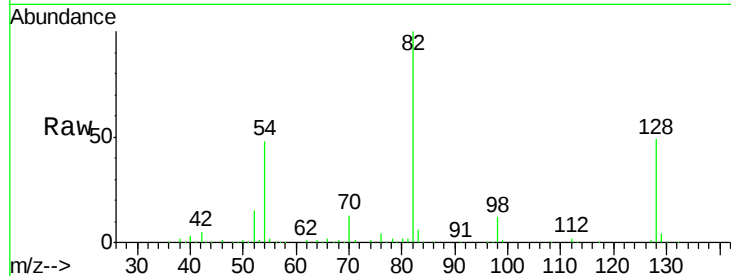




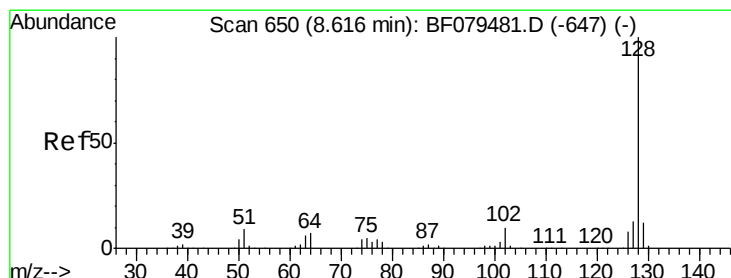
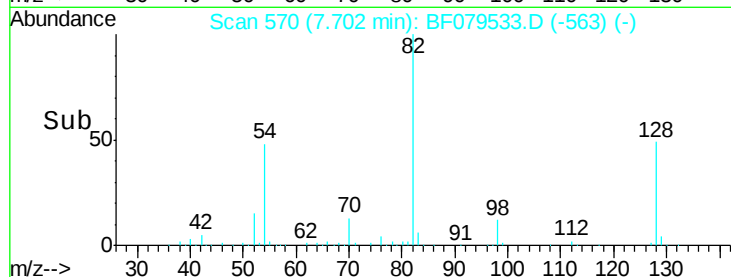
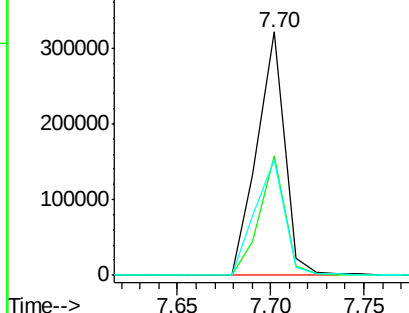
#23  
 Nitrobenzene-d5  
 Concen: 58.38 ng  
 RT: 7.70 min Scan# 570  
 Delta R.T. -0.00 min  
 Lab File: BF079533.D  
 Acq: 27 May 2015 22:23

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Tgt Ion: 82 Resp: 332929  
 Ion Ratio Lower Upper  
 82 100  
 128 49.1 30.8 46.2#  
 54 47.6 42.8 64.2

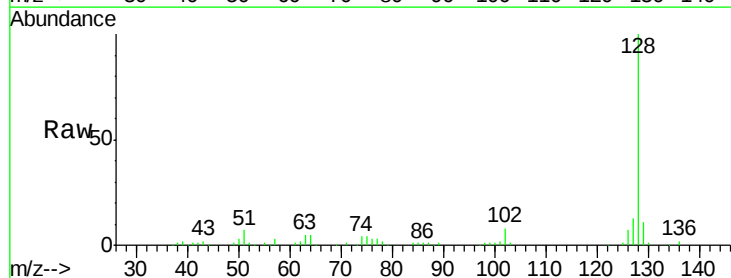


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

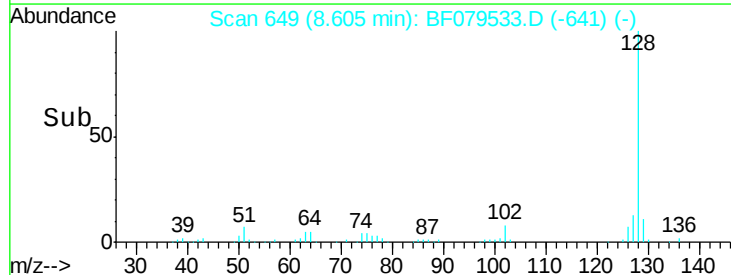
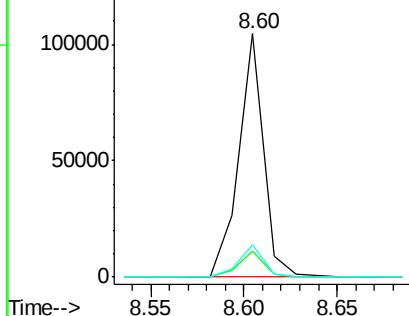


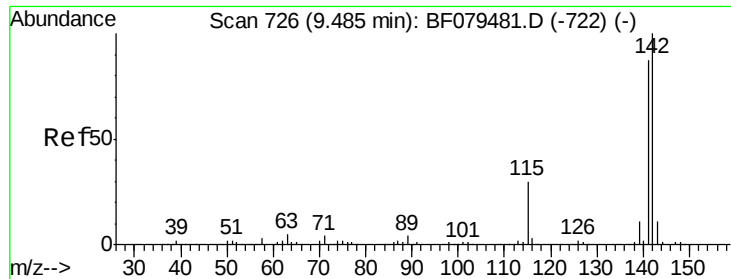
#31  
 Naphthalene  
 Concen: 6.17 ng  
 RT: 8.60 min Scan# 649  
 Delta R.T. -0.00 min  
 Lab File: BF079533.D  
 Acq: 27 May 2015 22:23

Tgt Ion: 128 Resp: 97543  
 Ion Ratio Lower Upper  
 128 100  
 129 10.6 9.3 13.9  
 127 13.1 10.6 15.8



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

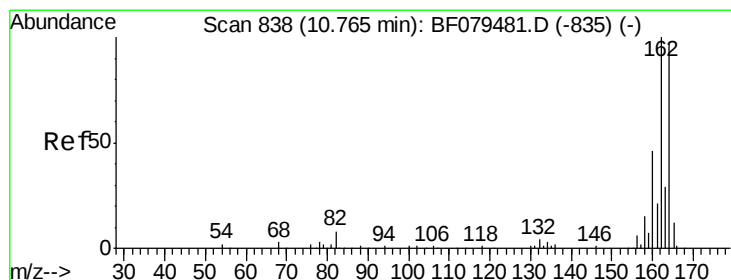
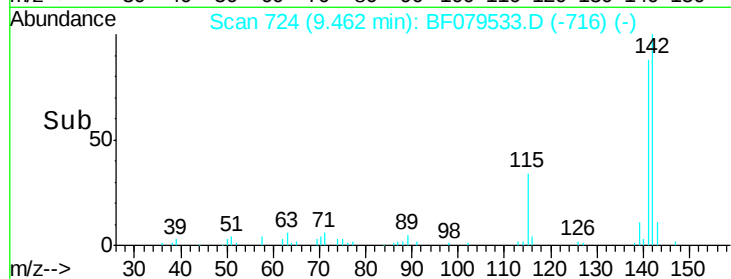
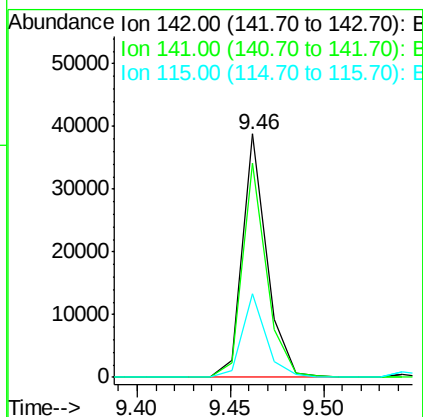
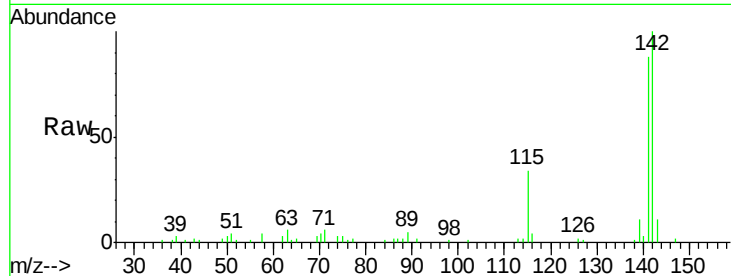




#37  
 2-Methylnaphthalene  
 Concen: 3.23 ng  
 RT: 9.46 min Scan# 724  
 Delta R.T. -0.00 min  
 Lab File: BF079533.D  
 Acq: 27 May 2015 22:23

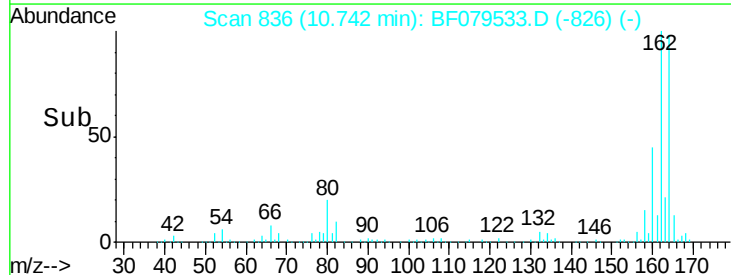
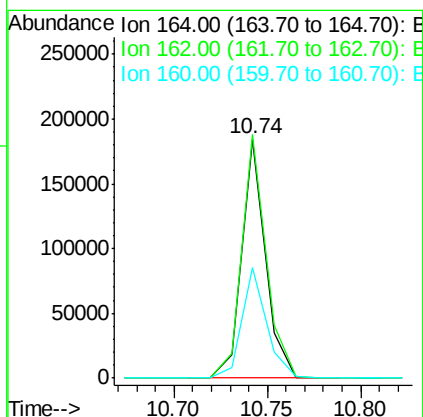
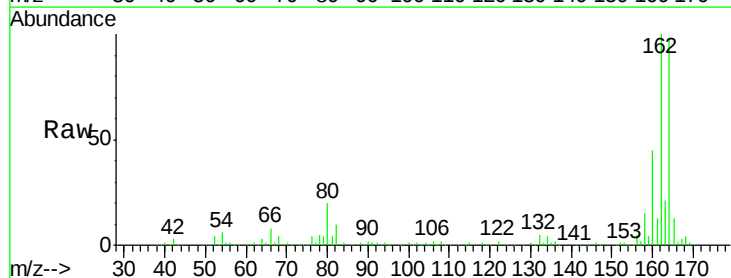
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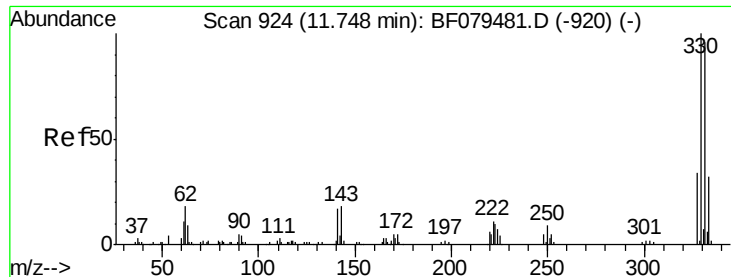
Tgt Ion:142 Resp: 35475  
 Ion Ratio Lower Upper  
 142 100  
 141 88.2 69.5 104.3  
 115 34.2 23.8 35.6



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.74 min Scan# 836  
 Delta R.T. -0.00 min  
 Lab File: BF079533.D  
 Acq: 27 May 2015 22:23

Tgt Ion:164 Resp: 163282  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 82.6 124.0  
 160 46.2 37.7 56.5

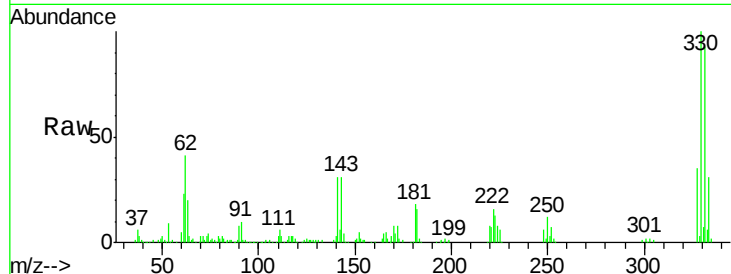




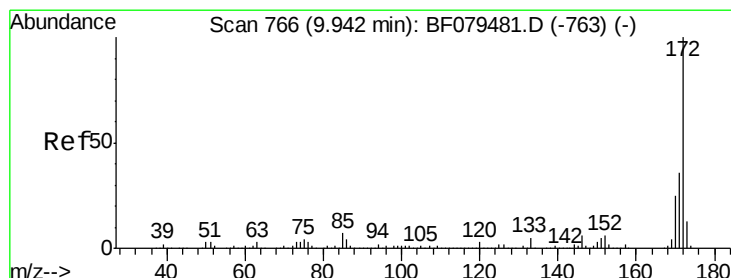
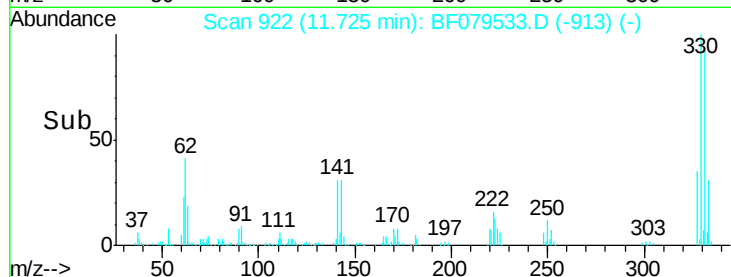
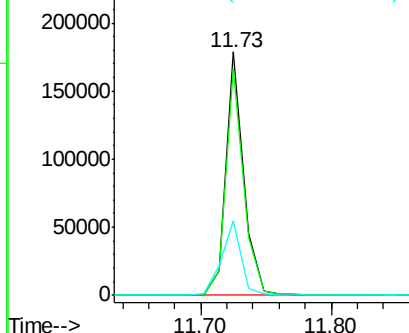
#41  
 2,4,6-Tribromophenol  
 Concen: 95.06 ng  
 RT: 11.73 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: BF079533.D  
 Acq: 27 May 2015 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-27D

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.6  | 0.0   | 0.0#  |
| 141     | 34.8  | 0.0   | 0.0#  |

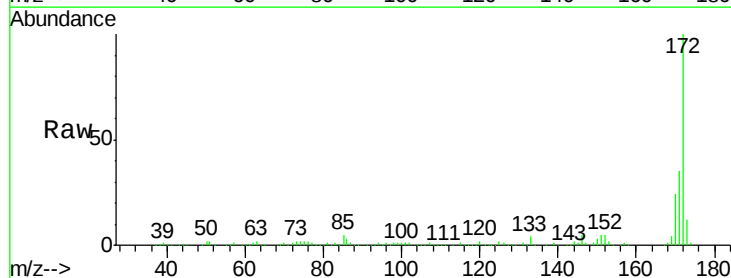


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

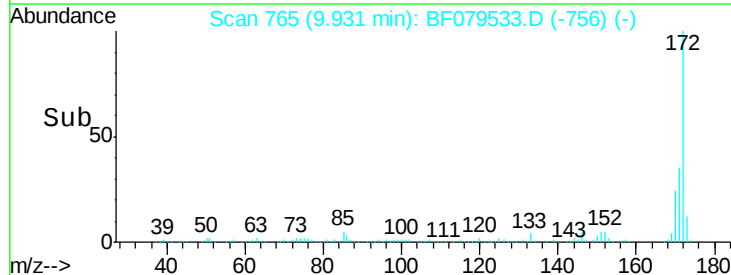
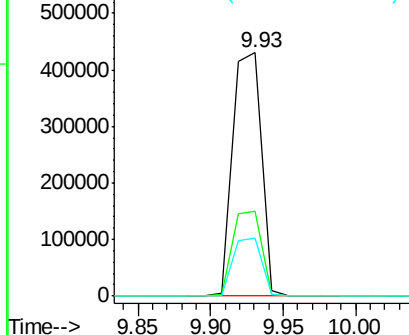


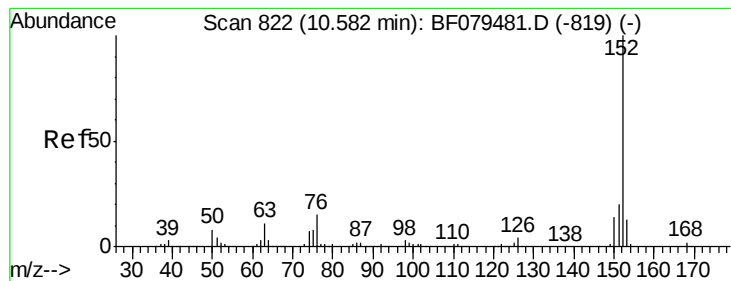
#44  
 2-Fluorobiphenyl  
 Concen: 51.72 ng  
 RT: 9.93 min Scan# 765  
 Delta R.T. -0.00 min  
 Lab File: BF079533.D  
 Acq: 27 May 2015 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 28.5  | 42.7  |
| 170     | 23.9  | 19.7  | 29.5  |



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





#48

Acenaphthylene

Concen: 2.25 ng

RT: 10.57 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

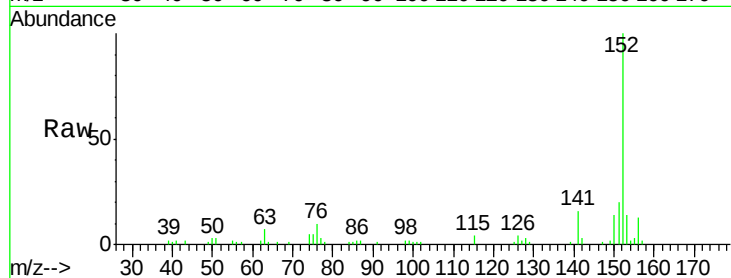
Tgt Ion:152 Resp: 37644

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

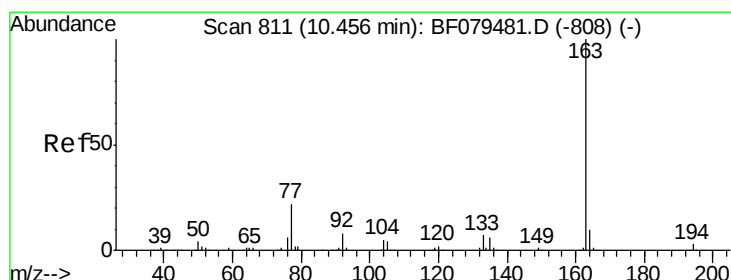
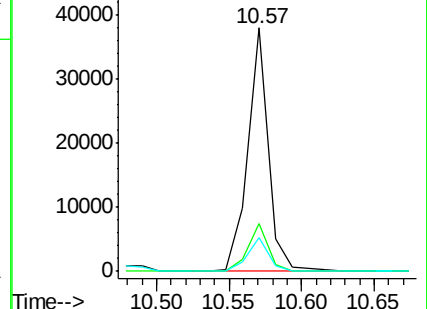
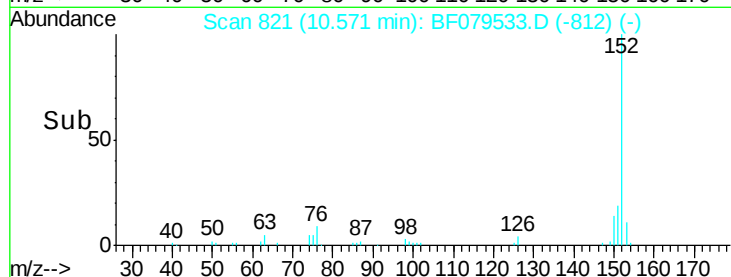
153 13.8 10.7 16.1



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: 3.86 ng

RT: 10.43 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

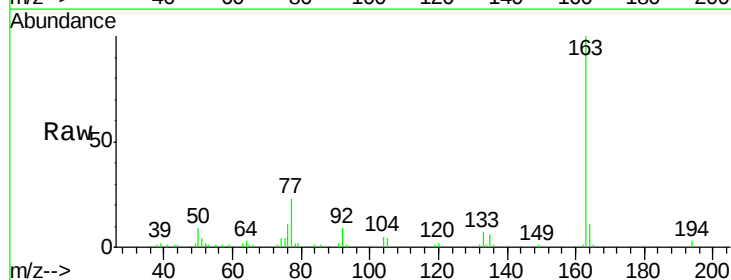
Tgt Ion:163 Resp: 46402

Ion Ratio Lower Upper

163 100

194 2.6 2.4 3.6

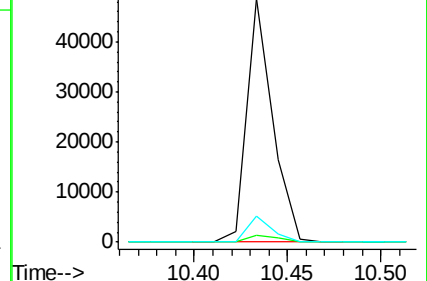
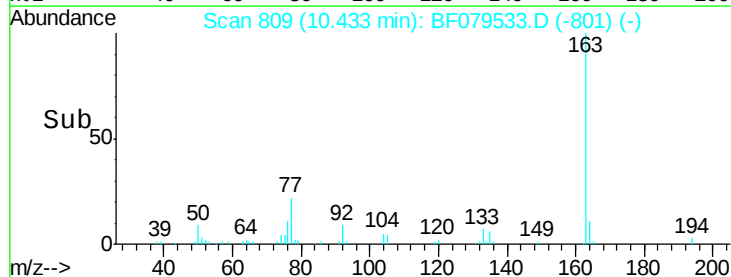
164 10.8 8.2 12.4

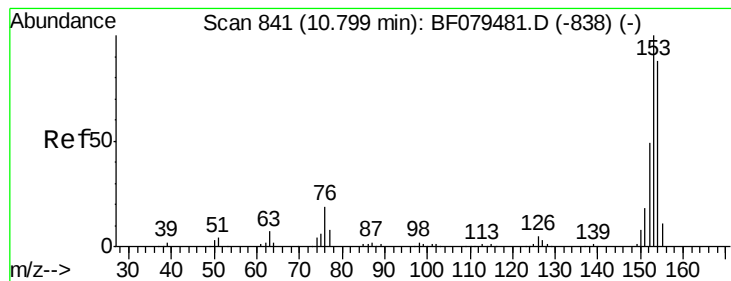


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 7.11 ng

RT: 10.79 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

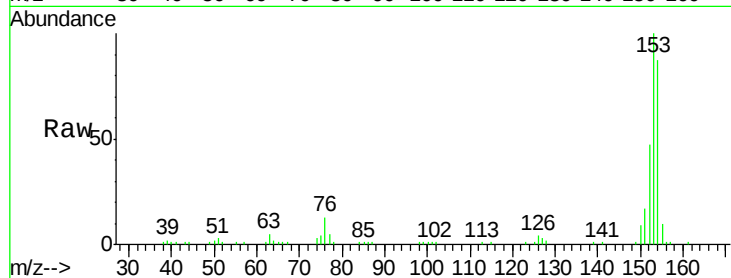
Tgt Ion:154 Resp: 67973

Ion Ratio Lower Upper

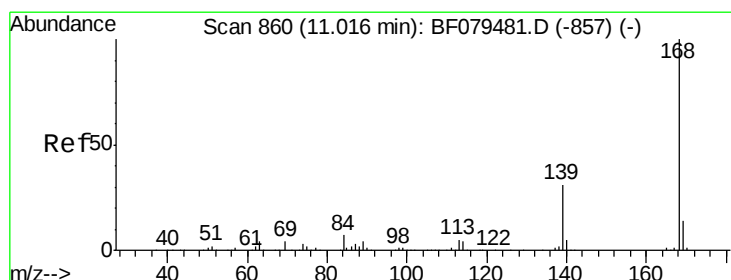
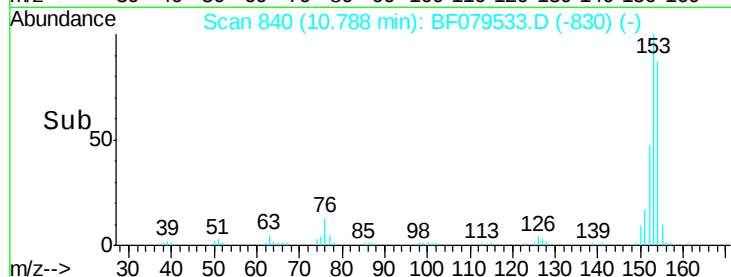
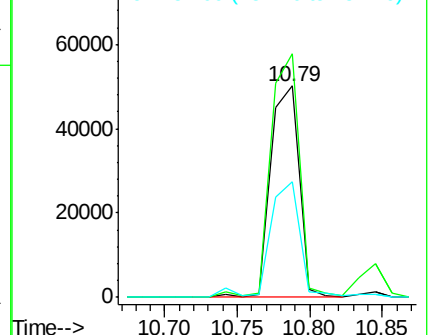
154 100

153 115.3 91.1 136.7

152 54.5 44.6 66.8



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: 5.99 ng

RT: 11.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

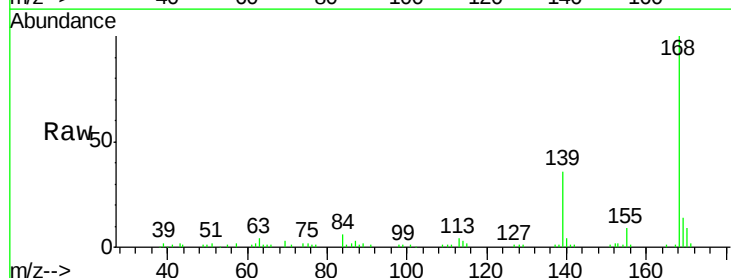
Tgt Ion:168 Resp: 84512

Ion Ratio Lower Upper

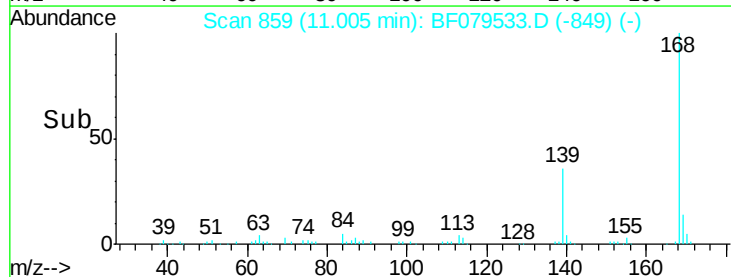
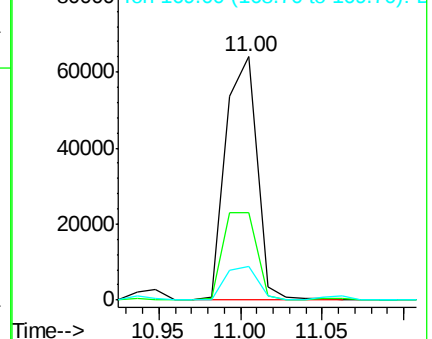
168 100

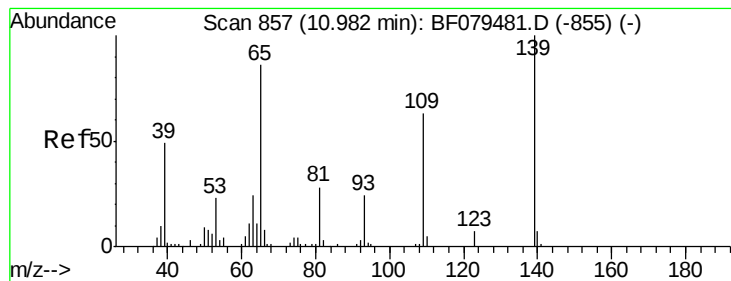
139 35.8 32.9 49.3

169 14.0 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: 18.89 ng

RT: 10.99 min Scan# 858

Delta R.T. 0.02 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

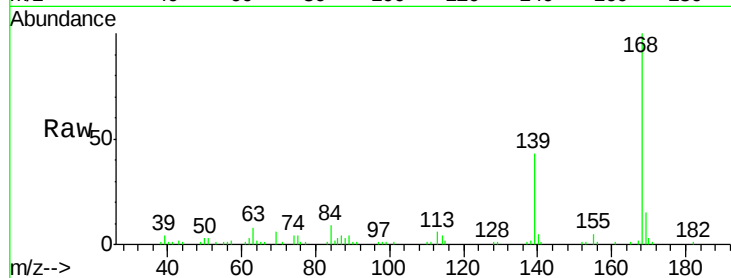
Tgt Ion:139 Resp: 32746

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

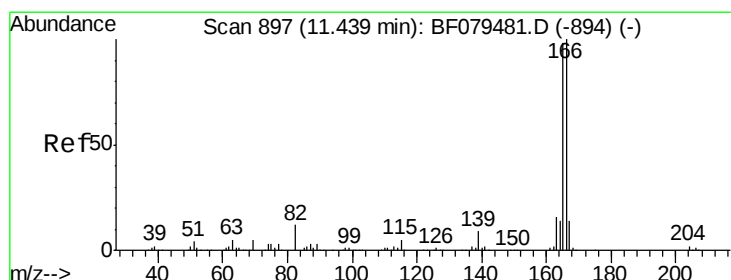
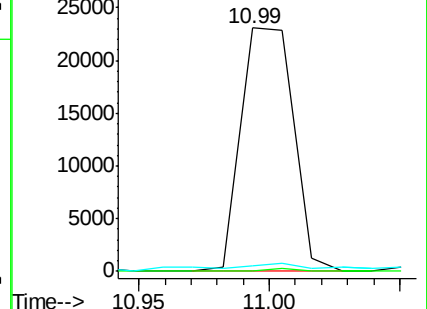
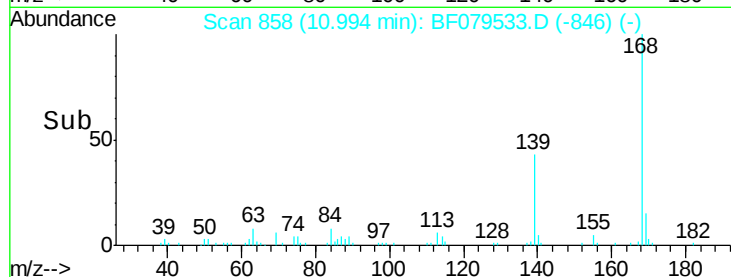
65 2.4 66.3 106.3#



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: 6.92 ng

RT: 11.43 min Scan# 896

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

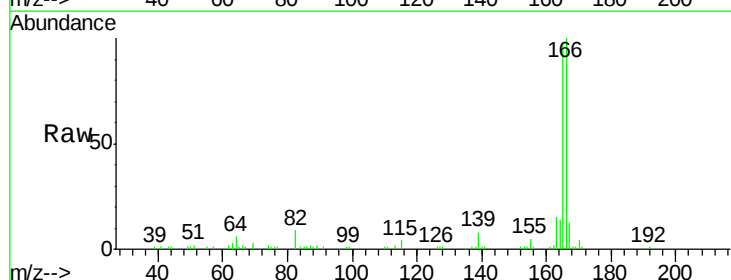
Tgt Ion:166 Resp: 80387

Ion Ratio Lower Upper

166 100

165 96.7 78.6 117.8

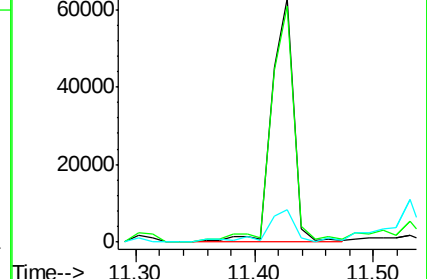
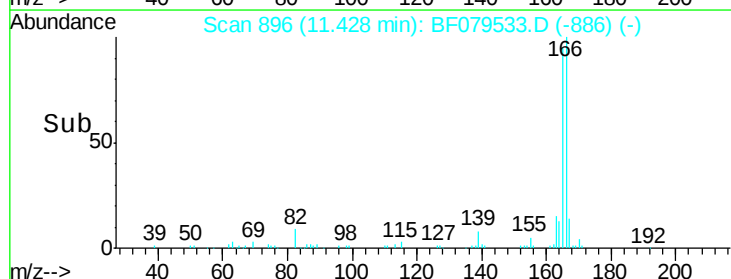
167 13.5 10.8 16.2

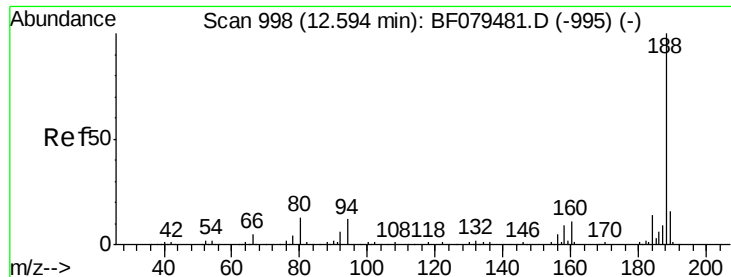


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

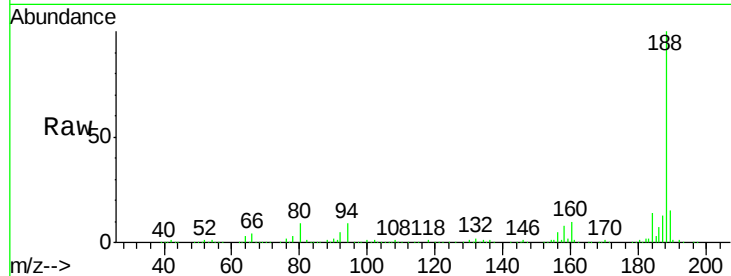




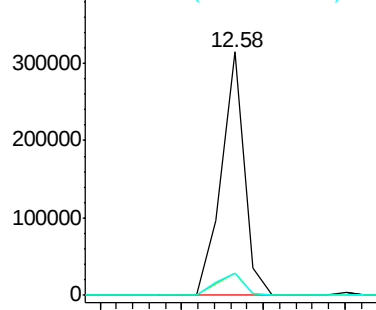
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.58 min Scan# 997  
Delta R.T. -0.00 min  
Lab File: BF079533.D  
Acq: 27 May 2015 22:23

Instrument :  
BNA\_F  
ClientSampleId :  
SB-27D

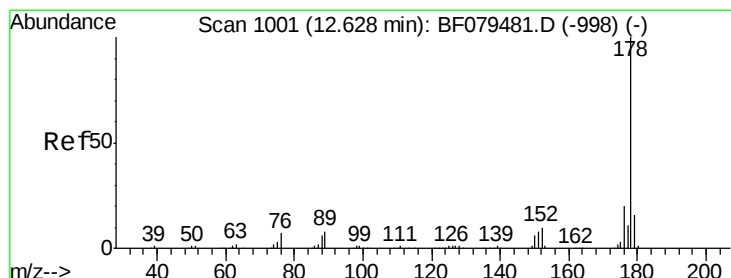
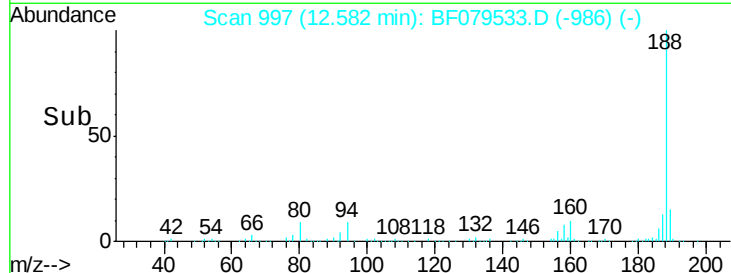
Tgt Ion:188 Resp: 308987  
Ion Ratio Lower Upper  
188 100  
94 9.2 9.8 14.6#  
80 8.9 10.5 15.7#



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

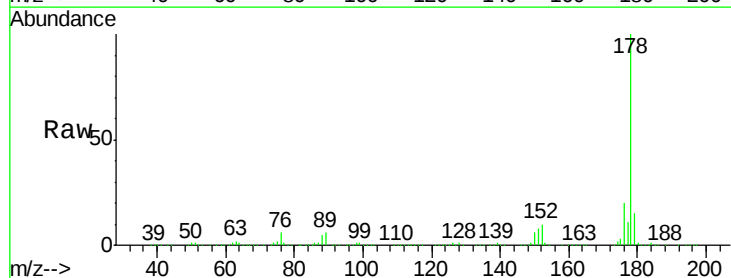


Time--> 12.50 12.55 12.60 12.65

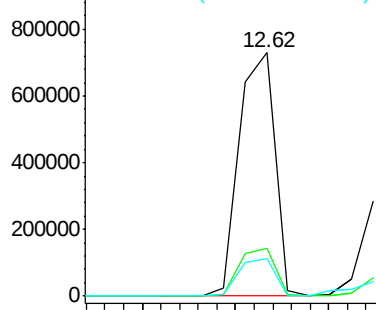


#70  
Phenanthrene  
Concen: 57.45 ng  
RT: 12.62 min Scan# 1000  
Delta R.T. -0.00 min  
Lab File: BF079533.D  
Acq: 27 May 2015 22:23

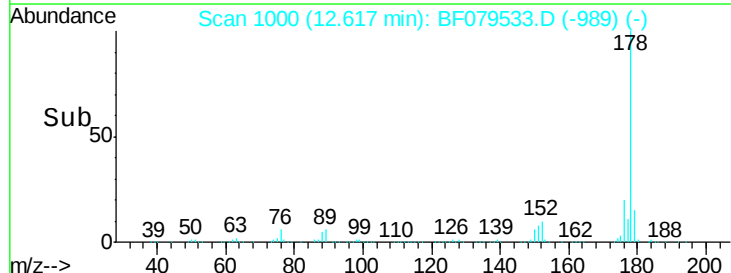
Tgt Ion:178 Resp: 973866  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.7 23.5  
179 15.2 12.4 18.6

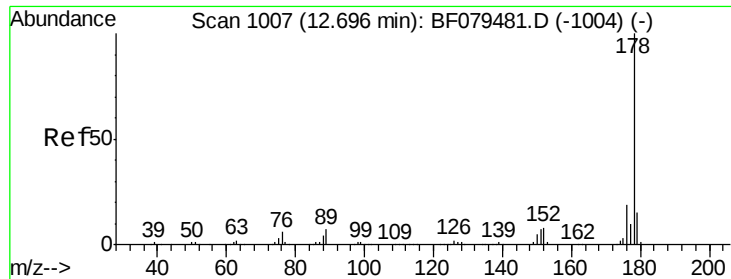


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



Time--> 12.55 12.60 12.65





#71

Anthracene

Concen: 15.41 ng

RT: 12.67 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

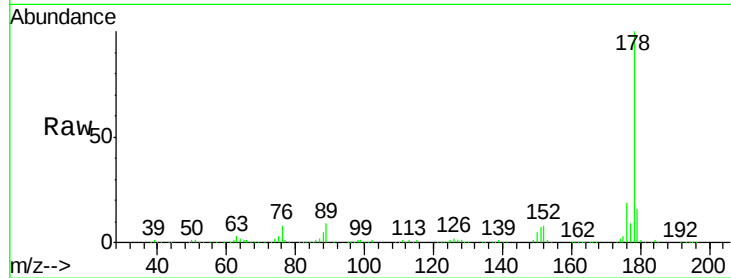
Tgt Ion:178 Resp: 265171

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

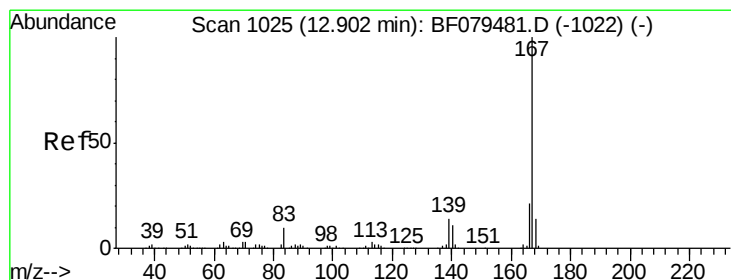
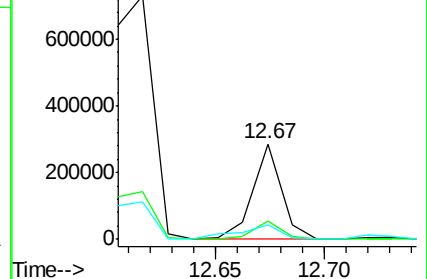
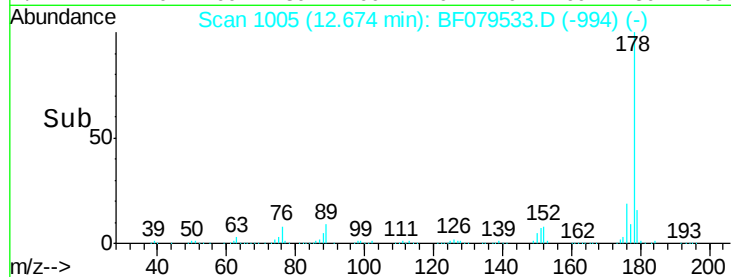
179 15.6 12.2 18.4



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



#72

Carbazole

Concen: 7.66 ng

RT: 12.89 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

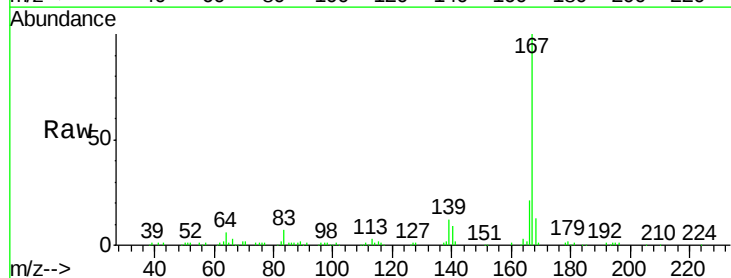
Tgt Ion:167 Resp: 126870

Ion Ratio Lower Upper

167 100

166 20.9 17.0 25.4

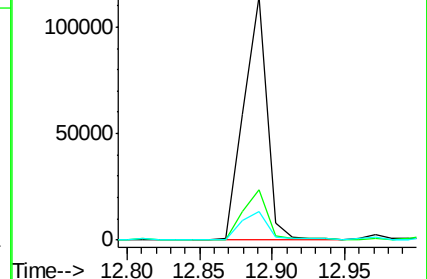
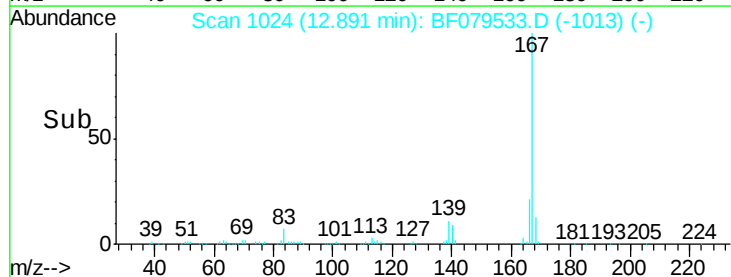
139 11.8 11.2 16.8

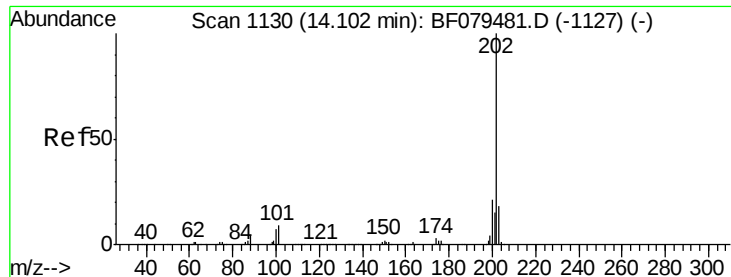


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 51.65 ng

RT: 14.08 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

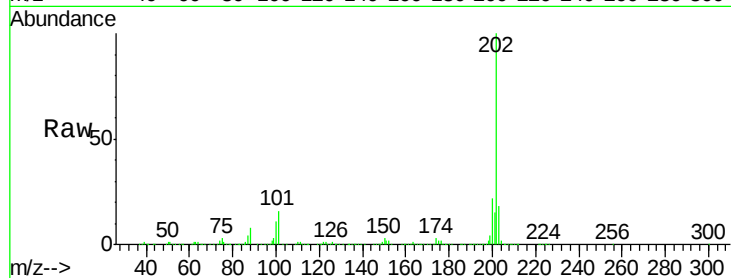
Tgt Ion:202 Resp: 938865

Ion Ratio Lower Upper

202 100

101 15.8 0.0 29.3

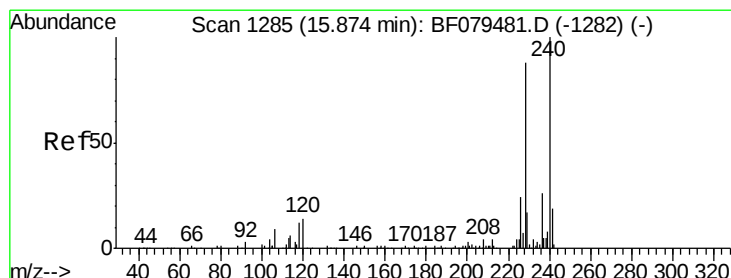
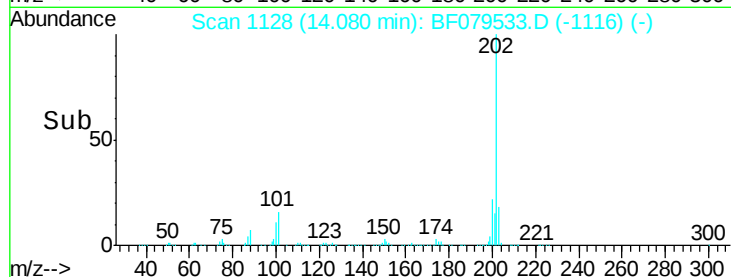
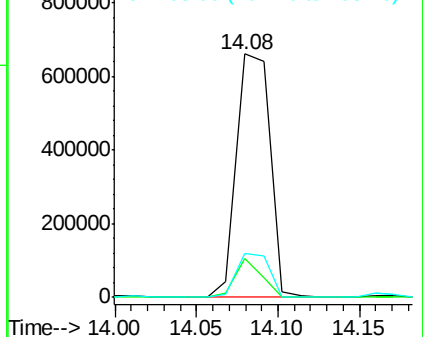
203 18.2 0.0 37.6



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: 15.86 min Scan# 1284

Delta R.T. -0.08 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

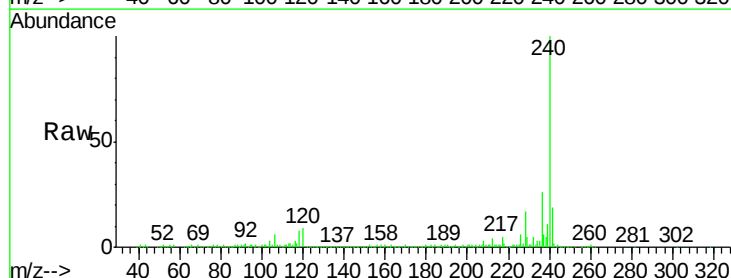
Tgt Ion:240 Resp: 325537

Ion Ratio Lower Upper

240 100

120 9.5 10.8 16.2#

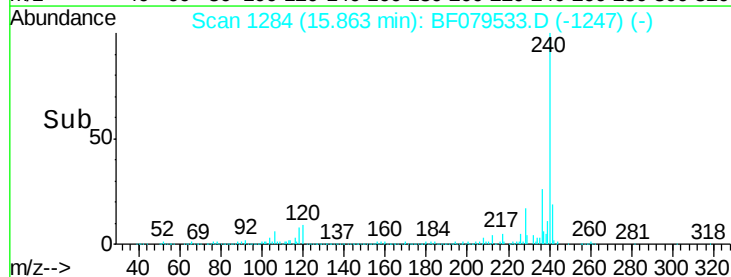
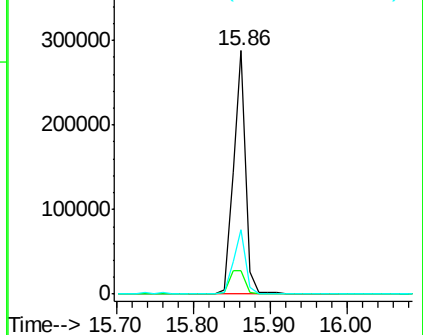
236 26.3 21.0 31.6

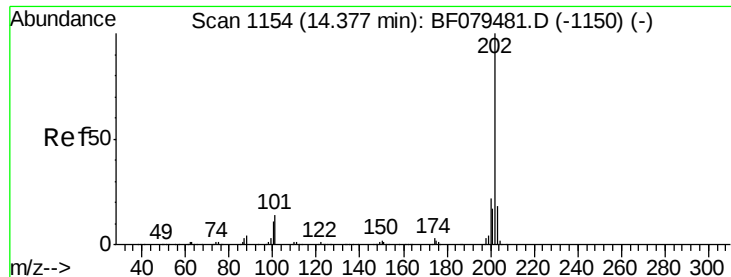


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 40.33 ng

RT: 14.37 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

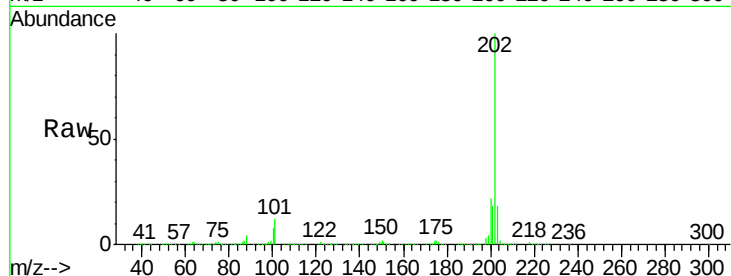
Tgt Ion:202 Resp: 813433

Ion Ratio Lower Upper

202 100

200 21.8 17.5 26.3

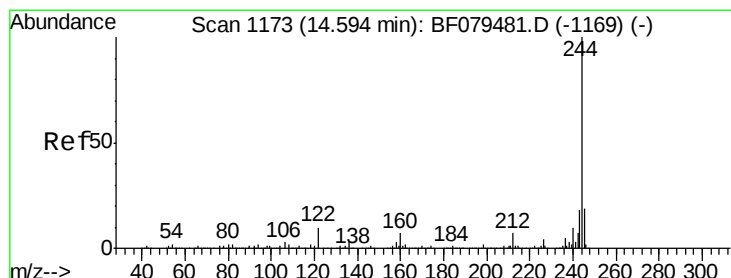
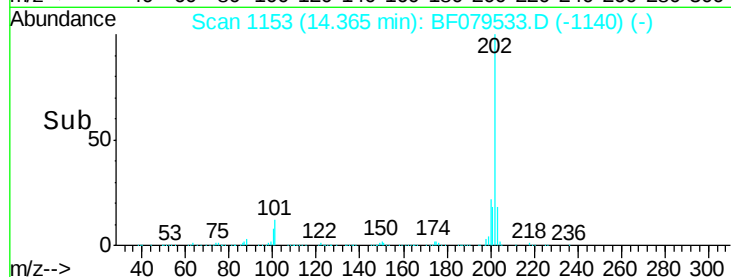
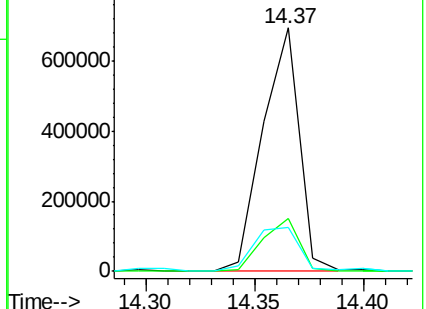
203 18.2 14.4 21.6



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: 46.18 ng

RT: 14.57 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

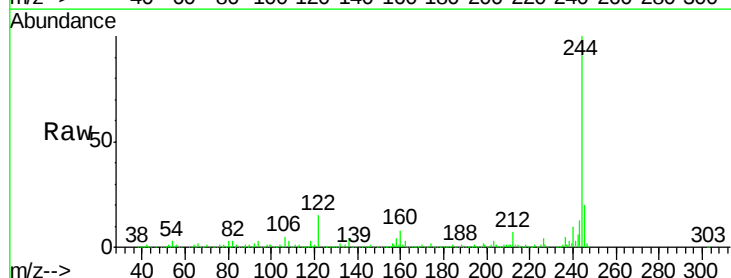
Tgt Ion:244 Resp: 640591

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

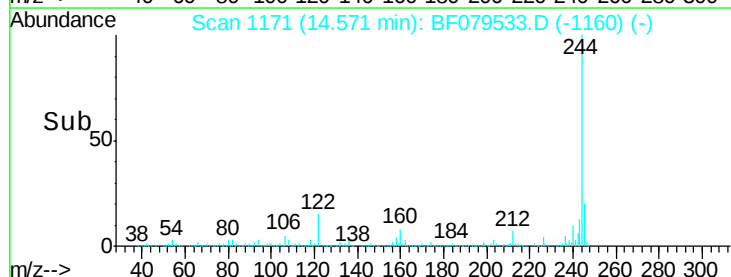
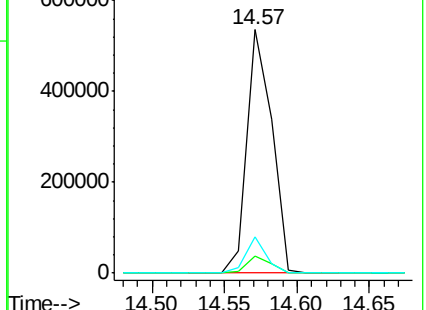
122 15.0 8.0 12.0#

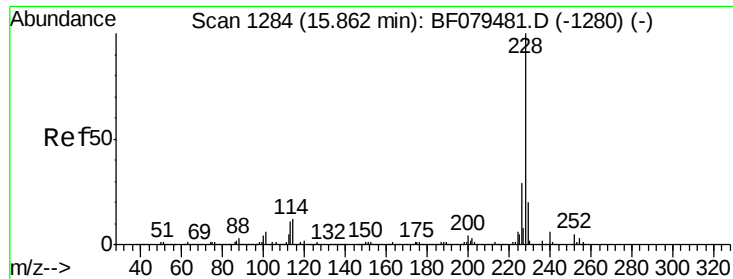


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 26.06 ng

RT: 15.85 min Scan# 1283

Delta R.T. -0.08 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

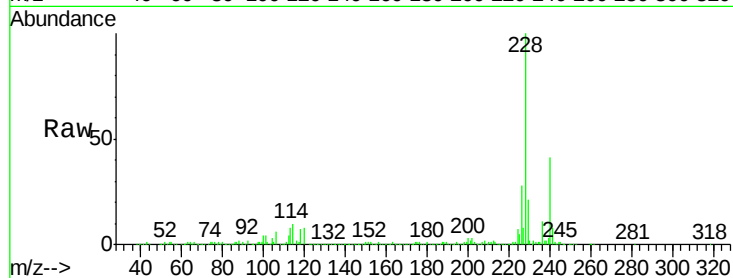
Tgt Ion:228 Resp: 487986

Ion Ratio Lower Upper

228 100

226 28.4 22.8 34.2

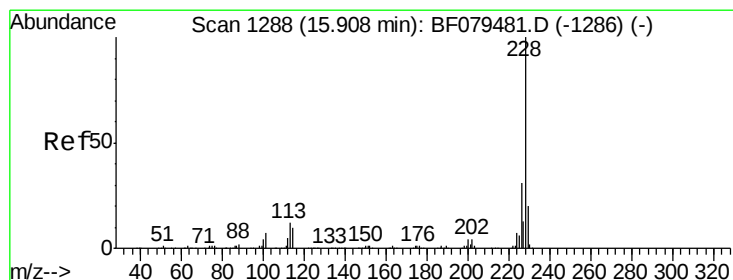
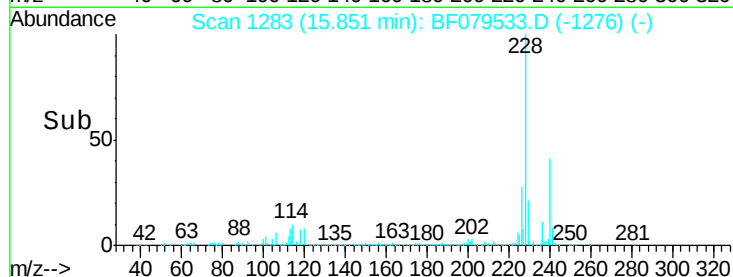
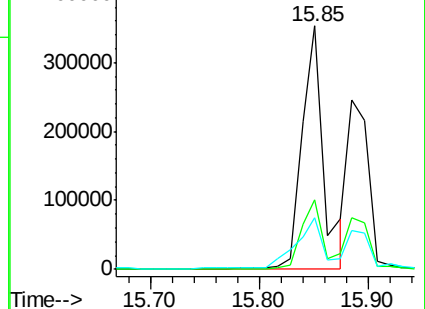
229 21.0 15.9 23.9



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: 18.36 ng

RT: 15.89 min Scan# 1286

Delta R.T. -0.09 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

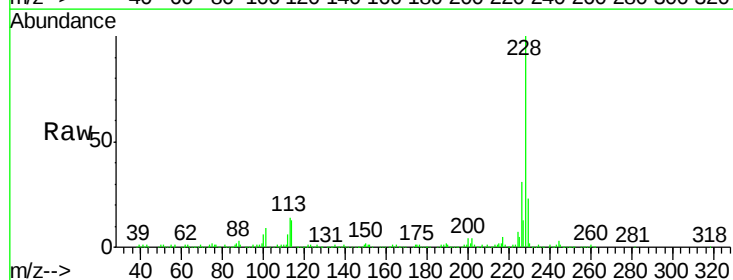
Tgt Ion:228 Resp: 326828

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.4

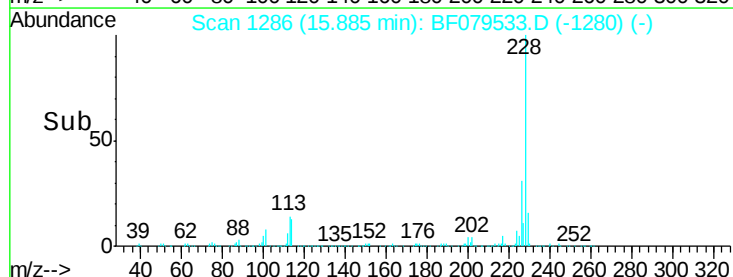
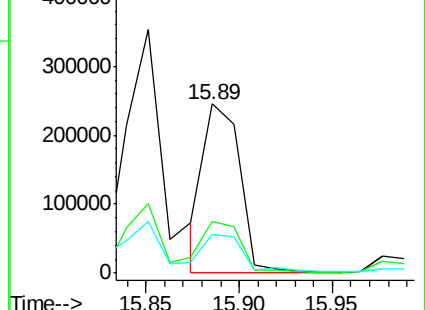
229 22.6 15.9 23.9

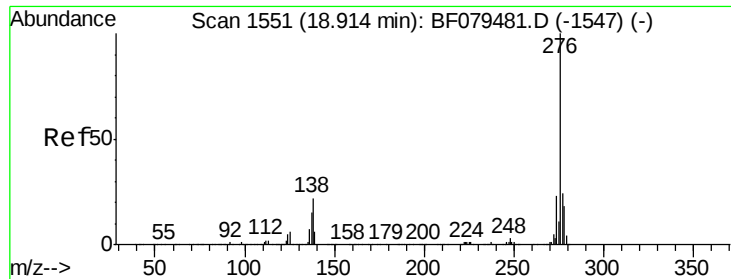


Abundance Ion 228.00 (227.70 to 228.70): E

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: 9.41 ng

RT: 19.21 min Scan# 1577

Delta R.T. -0.09 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

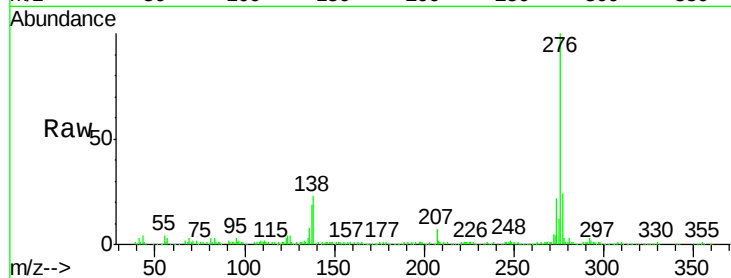
Tgt Ion:276 Resp: 215526

Ion Ratio Lower Upper

276 100

138 23.0 21.4 32.2

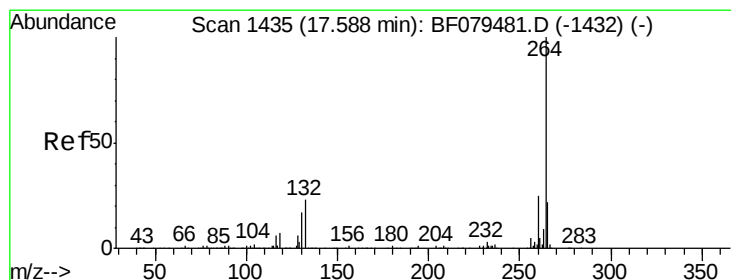
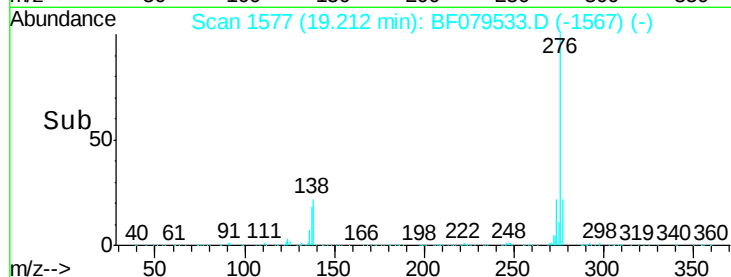
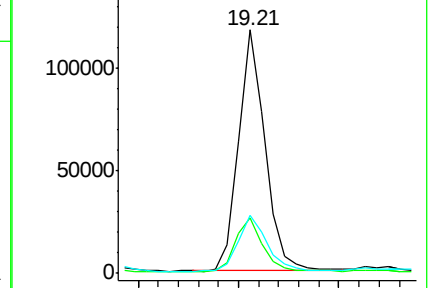
277 25.3 19.8 29.6



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: 17.53 min Scan# 1430

Delta R.T. -0.35 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

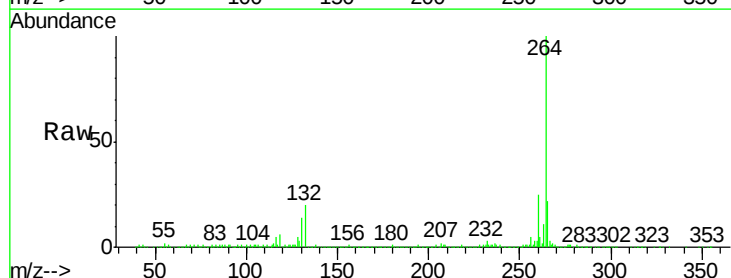
Tgt Ion:264 Resp: 351157

Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.8

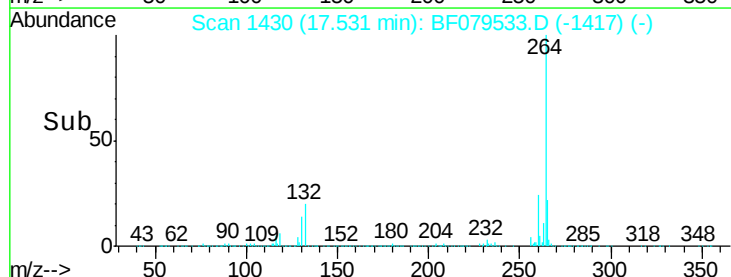
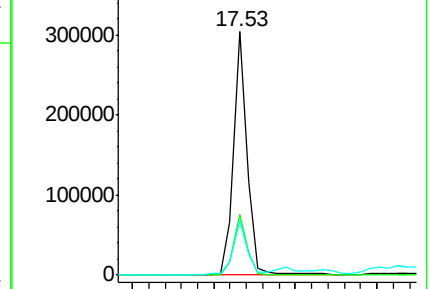
265 22.4 17.8 26.6

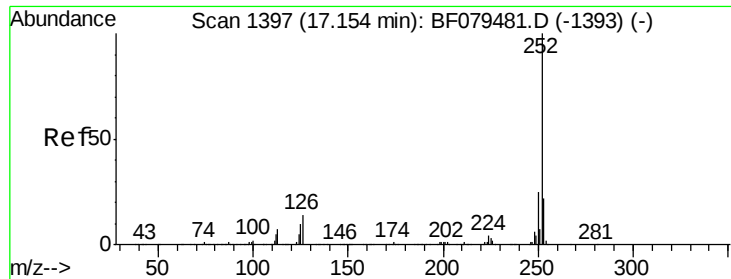


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

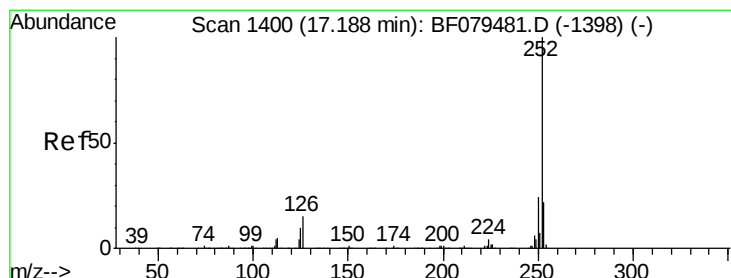
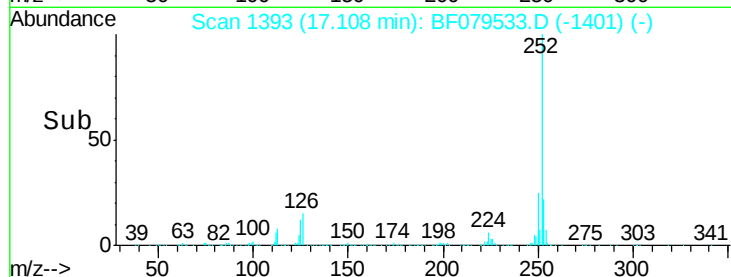
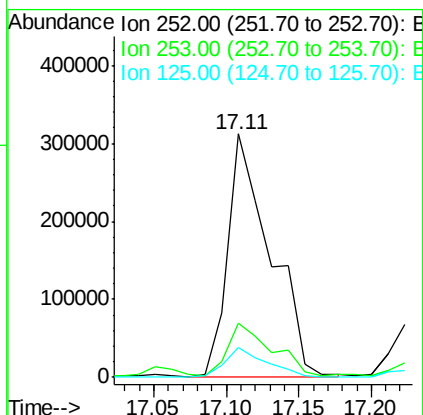
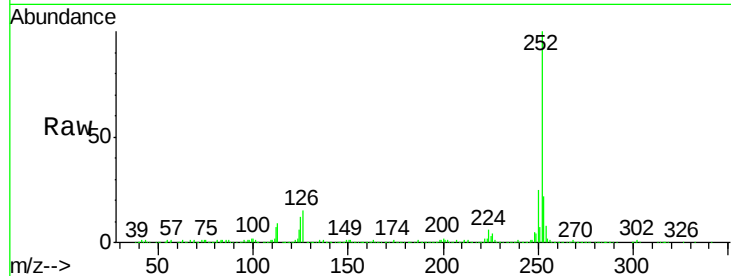




#87  
Benzo(b)fluoranthene  
Concen: 31.58 ng  
RT: 17.11 min Scan# 1393  
Delta R.T. -0.27 min  
Lab File: BF079533.D  
Acq: 27 May 2015 22:23

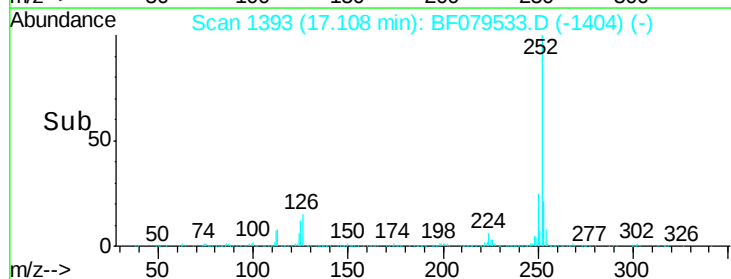
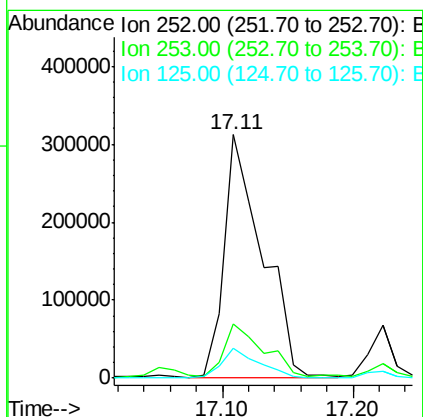
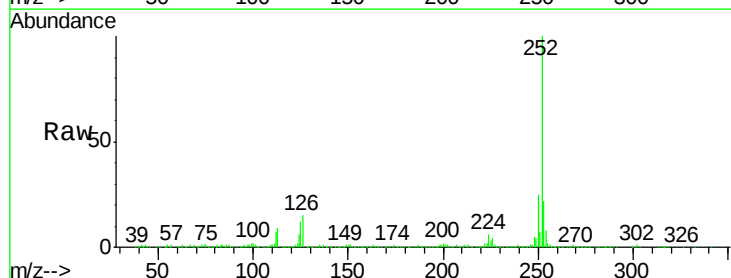
Instrument :  
BNA\_F  
ClientSampleId :  
SB-27D

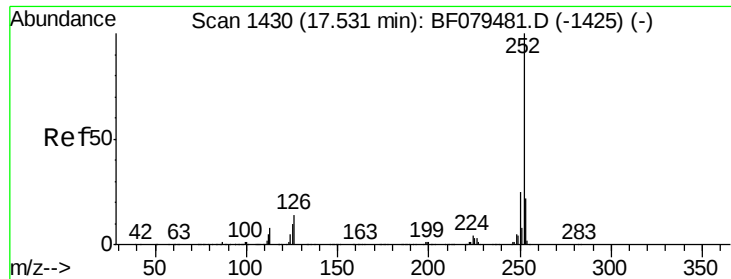
Tgt Ion:252 Resp: 632500  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.6 26.4  
125 12.0 7.8 11.6#



#88  
Benzo(k)fluoranthene  
Concen: 35.38 ng  
RT: 17.11 min Scan# 1393  
Delta R.T. -0.31 min  
Lab File: BF079533.D  
Acq: 27 May 2015 22:23

Tgt Ion:252 Resp: 633626  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.2 25.8  
125 12.0 6.8 10.2#





#89

Benzo(a)pyrene

Concen: 20.28 ng

RT: 17.47 min Scan# 1425

Delta R.T. -0.33 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA\_F

ClientSampleId :

SB-27D

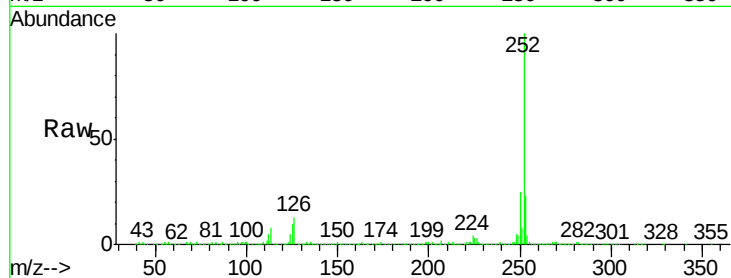
Tgt Ion:252 Resp: 374696

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

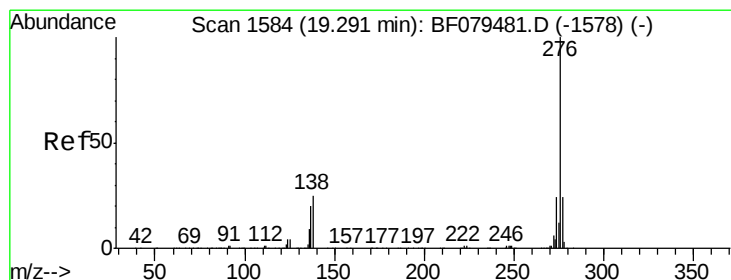
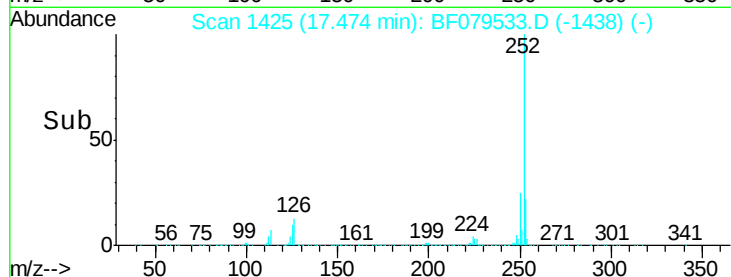
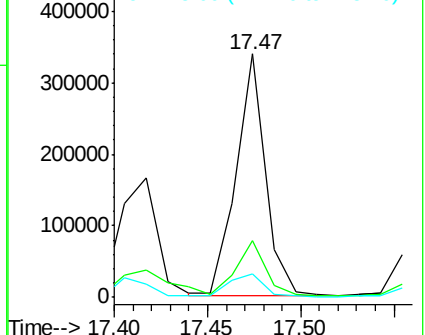
125 9.9 7.9 11.9



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



#91

Benzo(g,h,i)perylene

Concen: 9.99 ng

RT: 19.21 min Scan# 1577

Delta R.T. -0.48 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

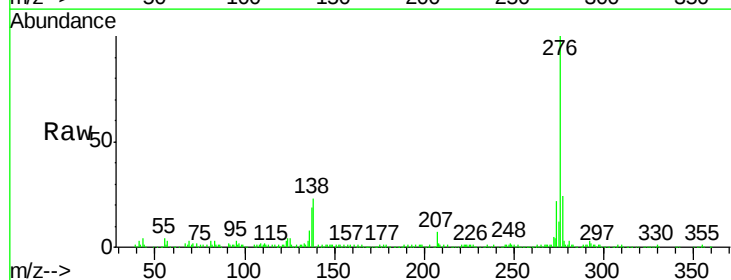
Tgt Ion:276 Resp: 215526

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 22.6 20.1 30.1



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

