

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032516\  
 Data File : BF085790.D  
 Acq On : 26 Mar 2016 4:49  
 Operator : UM/SJ  
 Sample : H1923-03  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-PG-C(0-6)

Quant Time: Mar 26 04:29:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 14:15:39 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 116364   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 400587   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.86  | 164  | 163520   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.34 | 188  | 263356   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.98 | 240  | 248984   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.40 | 264  | 181956   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

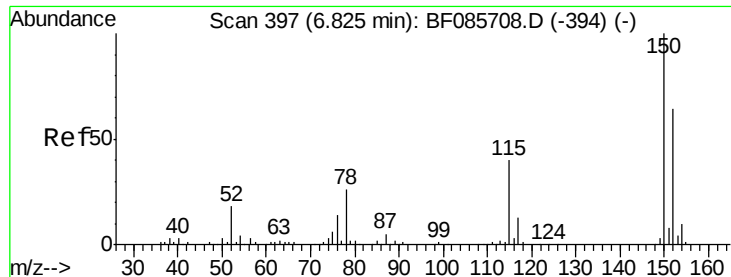
|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 816215  | 116.82 | ng | 0.02 |
| 7) Phenol-d6             | 6.47  | 99  | 1049692 | 118.16 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 639344  | 89.88  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 153706  | 98.93  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.19  | 172 | 855748  | 87.44  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.93 | 244 | 524803  | 43.35  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |           |    | Qvalue |
|--------------------------------|-------|-----|--------|-----------|----|--------|
| 9) Benzaldehyde                | 6.60  | 77  | 17672  | 3.30      | ng | 83     |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70  | 82817  | 15.57     | ng | # 74   |
| 25) Isophorone                 | 7.40  | 82  | 625423 | 45.64     | ng | # 68   |
| 37) 2-Methylnaphthalene        | 8.82  | 142 | 2140   | Below Cal |    | # 92   |
| 49) Dimethylphthalate          | 9.58  | 163 | 125176 | 10.09     | ng | 99     |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165 | 20294  | 5.98      | ng | # 38   |
| 66) 4-Bromophenyl-phenylether  | 10.65 | 248 | 10394  | 3.86      | ng | # 1    |
| 70) Phenanthrene               | 11.37 | 178 | 72779  | 5.38      | ng | 97     |
| 74) Fluoranthene               | 12.55 | 202 | 162147 | 11.28     | ng | 98     |
| 77) Pyrene                     | 12.78 | 202 | 155039 | 7.58      | ng | 98     |
| 80) Benzo(a)anthracene         | 13.97 | 228 | 75028  | 5.28      | ng | 98     |
| 82) Chrysene                   | 14.00 | 228 | 98927  | 6.92      | ng | 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.78 | 276 | 49894  | 4.52      | ng | 92     |
| 87) Benzo(b)fluoranthene       | 15.00 | 252 | 165999 | 14.48     | ng | 99     |
| 88) Benzo(k)fluoranthene       | 15.00 | 252 | 165999 | 16.06     | ng | # 97   |
| 89) Benzo(a)pyrene             | 15.34 | 252 | 71989  | 7.07      | ng | 96     |
| 91) Benzo(g,h,i)perylene       | 17.20 | 276 | 56479  | 5.90      | ng | 97     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

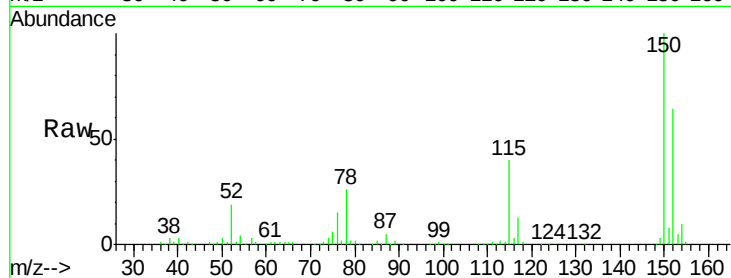
Tgt Ion:152 Resp: 116364

Ion Ratio Lower Upper

152 100

150 156.7 124.2 186.2

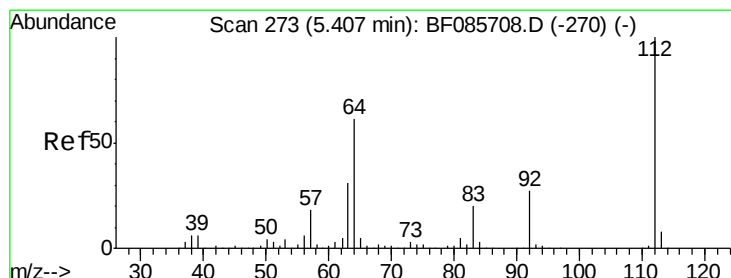
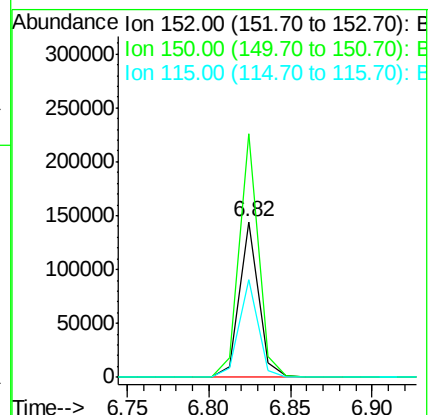
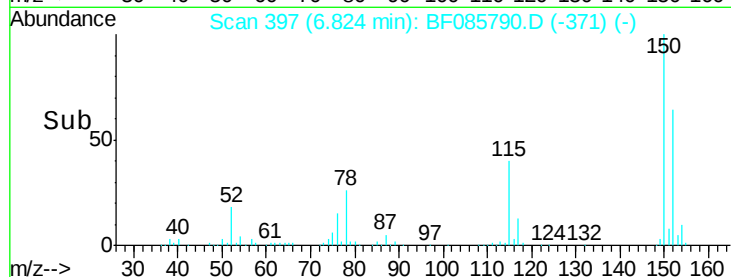
115 63.2 47.0 70.6



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: 116.82 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

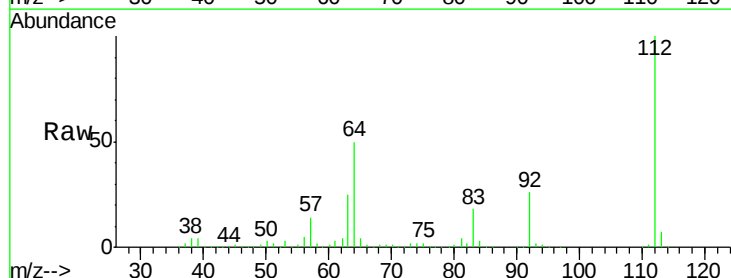
Tgt Ion:112 Resp: 816215

Ion Ratio Lower Upper

112 100

64 50.4 39.9 59.9

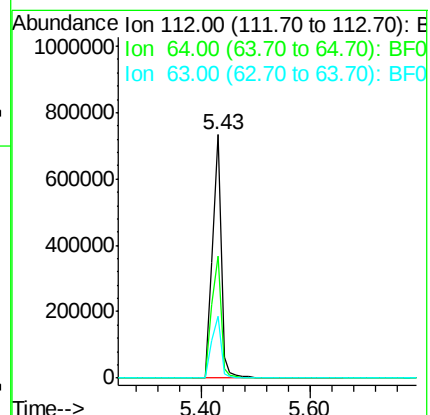
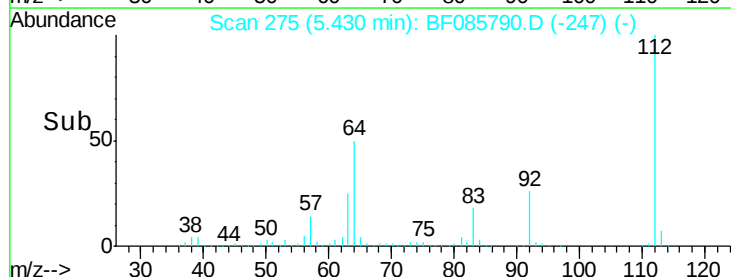
63 25.5 20.2 30.2

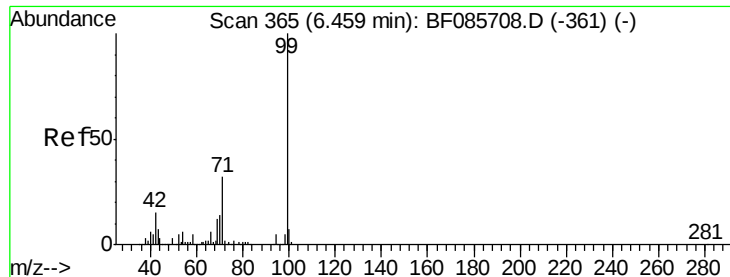


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.16 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

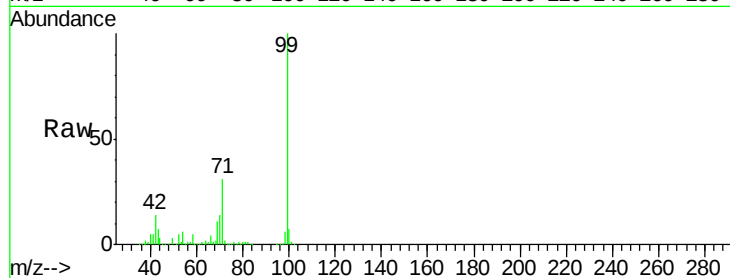
Tgt Ion: 99 Resp: 1049692

Ion Ratio Lower Upper

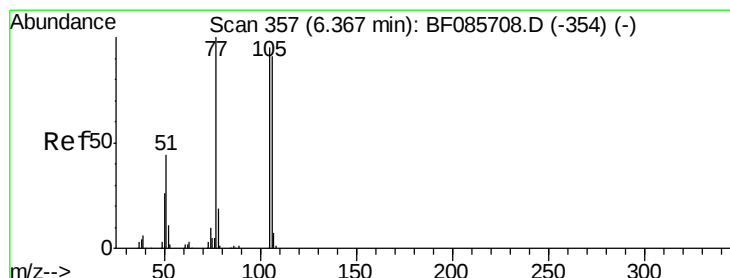
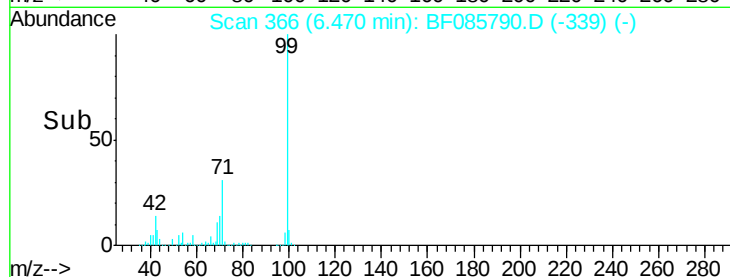
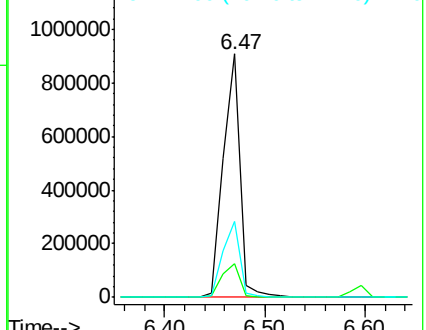
99 100

42 13.6 11.1 16.7

71 30.9 24.9 37.3



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: 3.30 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

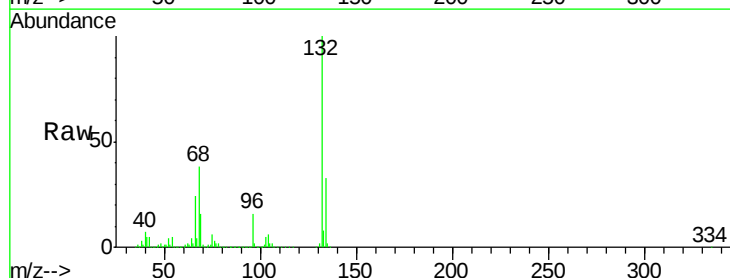
Tgt Ion: 77 Resp: 17672

Ion Ratio Lower Upper

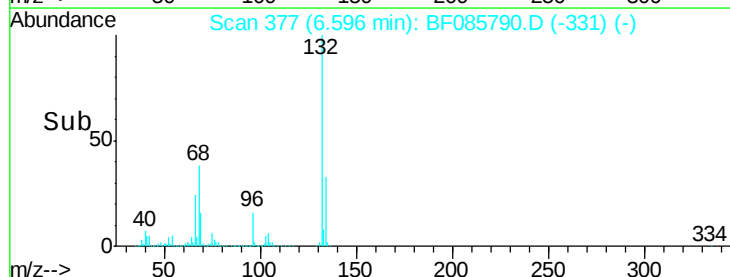
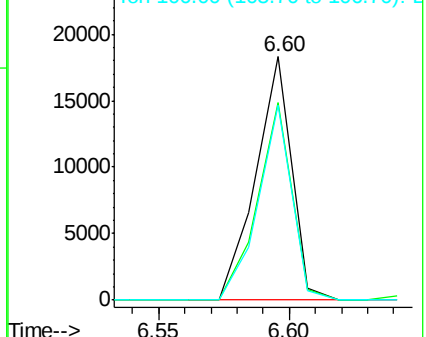
77 100

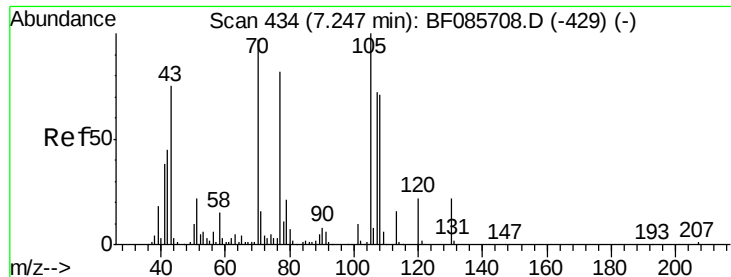
105 81.2 80.1 120.1

106 80.3 75.0 115.0



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

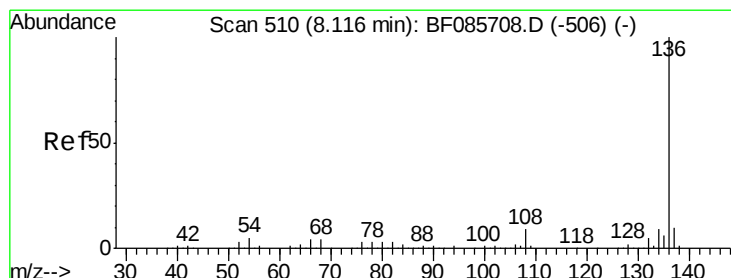
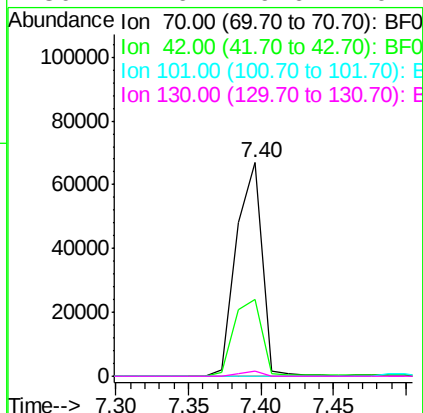
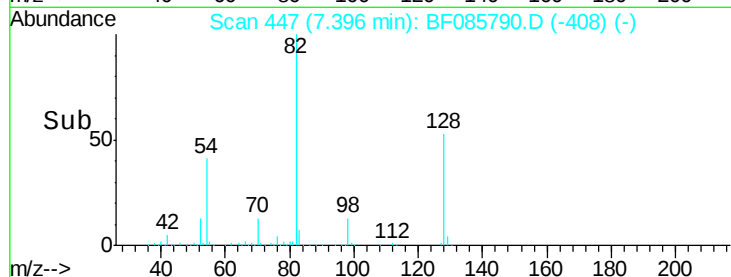
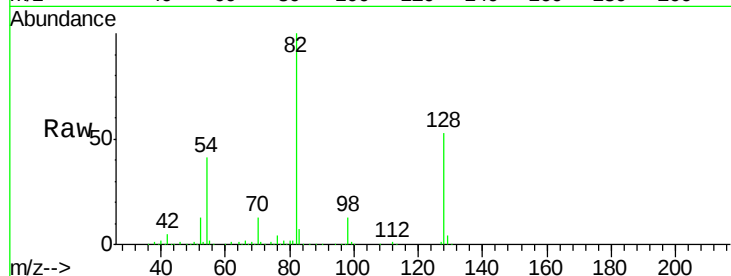




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.57 ng  
RT: 7.40 min Scan# 447  
Delta R.T. 0.15 min  
Lab File: BF085790.D  
Acq: 26 Mar 2016 4:49

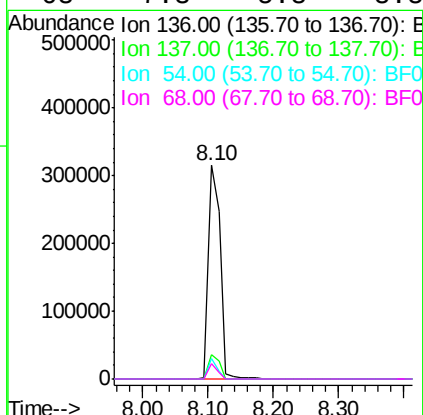
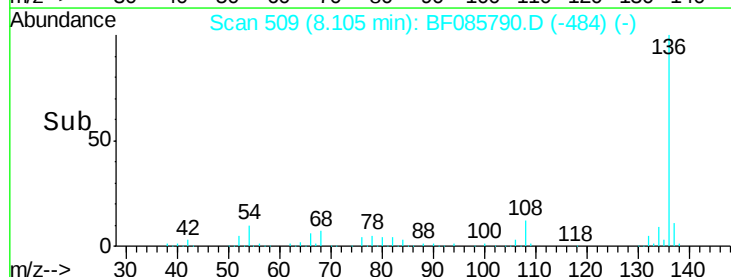
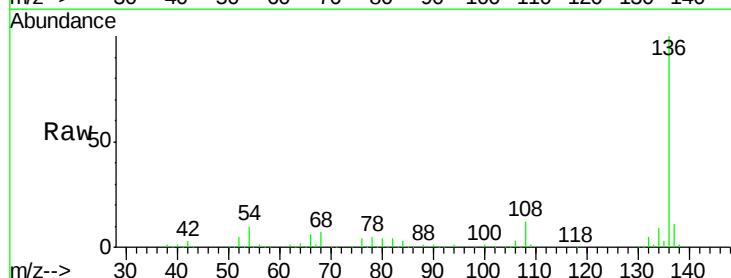
Instrument :  
BNA\_F  
ClientSampleId :  
S-PG-C(0-6)

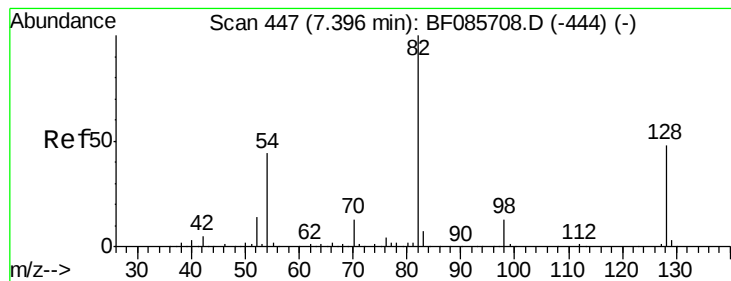
Tgt Ion: 70 Resp: 82817  
Ion Ratio Lower Upper  
70 100  
42 35.7 37.1 55.7#  
101 0.0 8.6 12.8#  
130 2.6 19.6 29.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 509  
Delta R.T. -0.01 min  
Lab File: BF085790.D  
Acq: 26 Mar 2016 4:49

Tgt Ion: 136 Resp: 400587  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.1 13.7  
54 9.6 7.4 11.0  
68 7.3 5.8 8.8





#23

Nitrobenzene-d5

Concen: 89.88 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

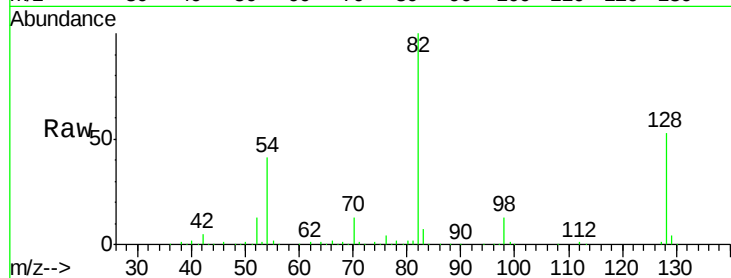
Tgt Ion: 82 Resp: 639344

Ion Ratio Lower Upper

82 100

128 52.8 41.8 62.8

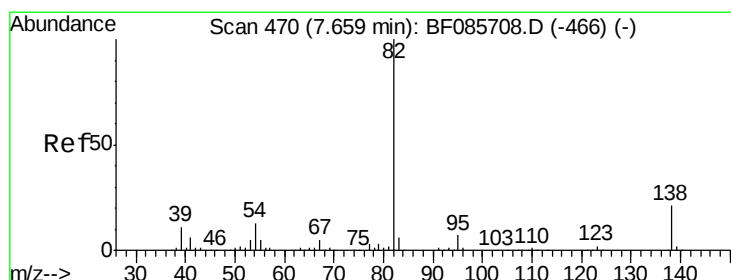
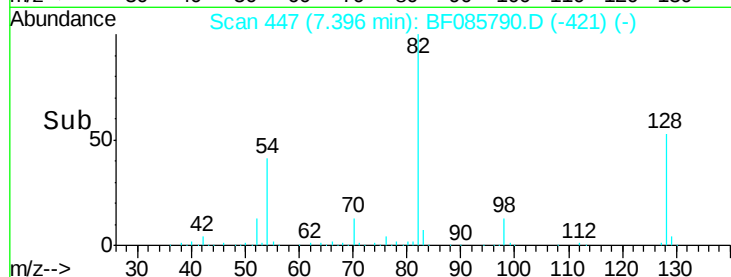
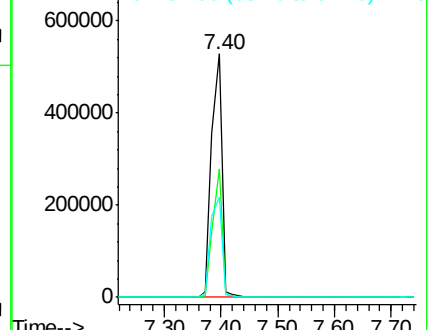
54 41.2 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 45.64 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.26 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

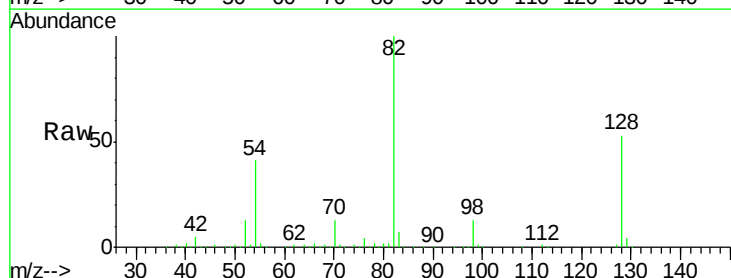
Tgt Ion: 82 Resp: 625423

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

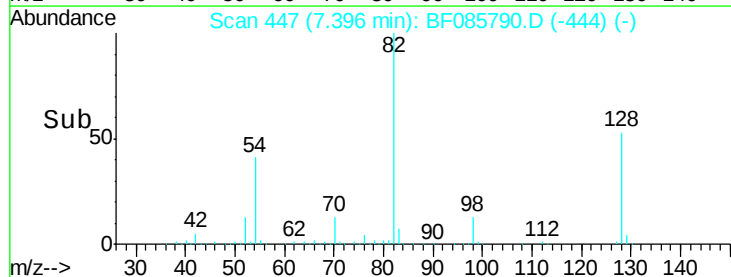
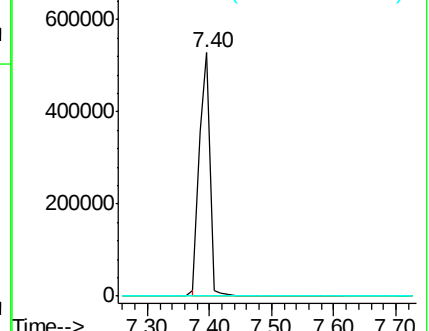
138 0.0 12.9 19.3#

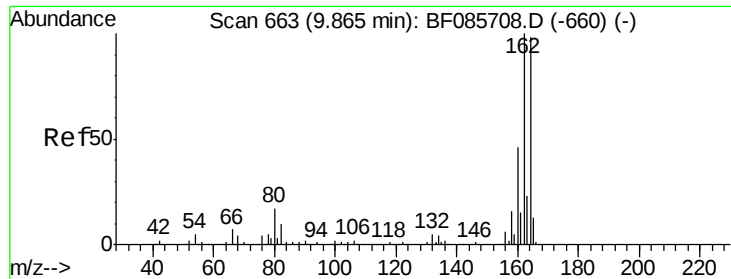


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

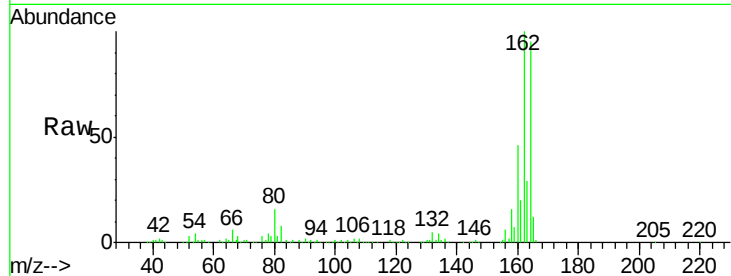
Tgt Ion:164 Resp: 163520

Ion Ratio Lower Upper

164 100

162 105.3 82.1 123.1

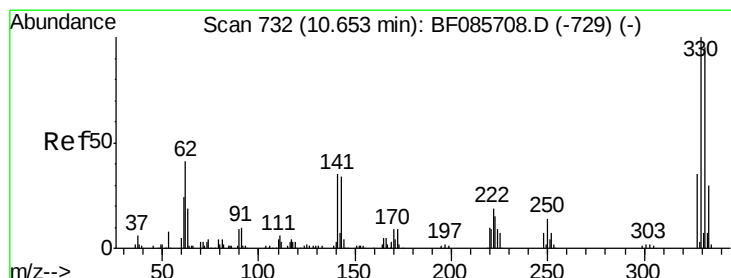
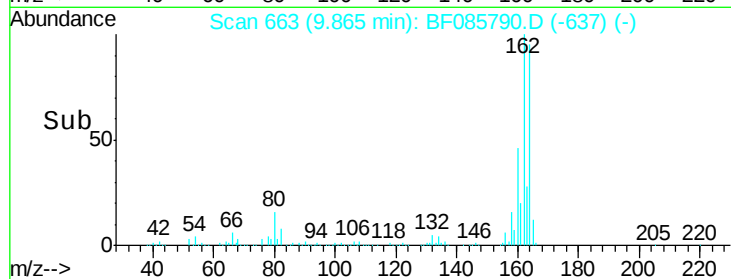
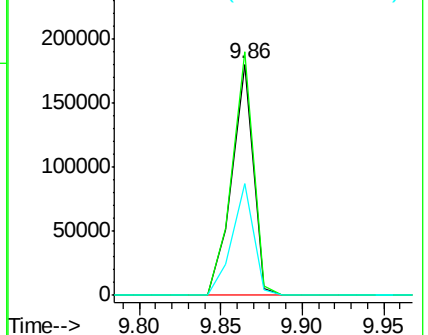
160 48.3 37.4 56.2



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: 98.93 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

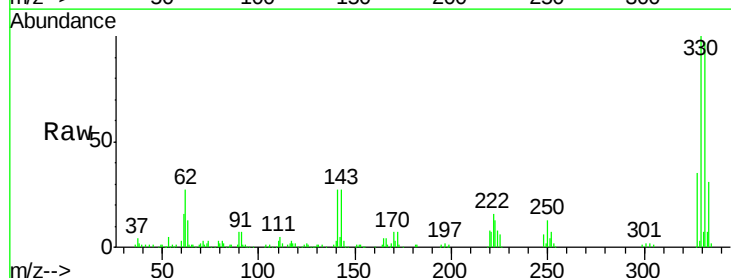
Tgt Ion:330 Resp: 153706

Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.2

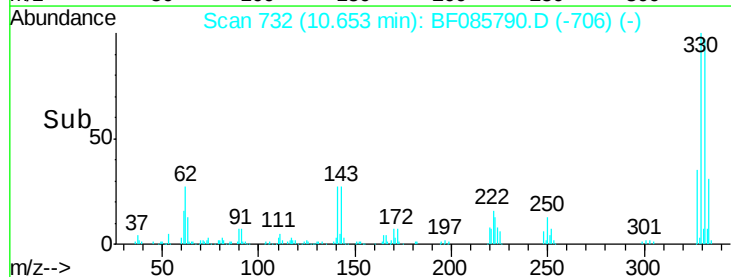
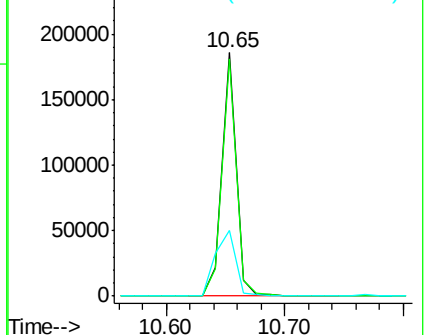
141 39.1 31.5 47.3

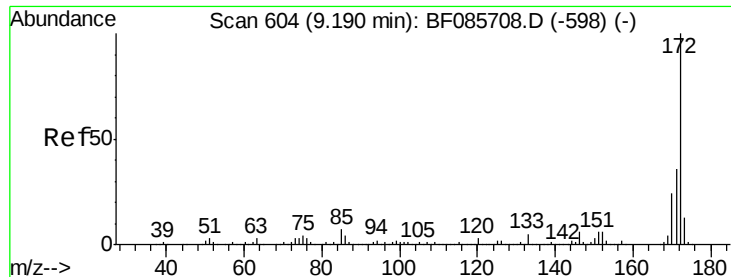


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

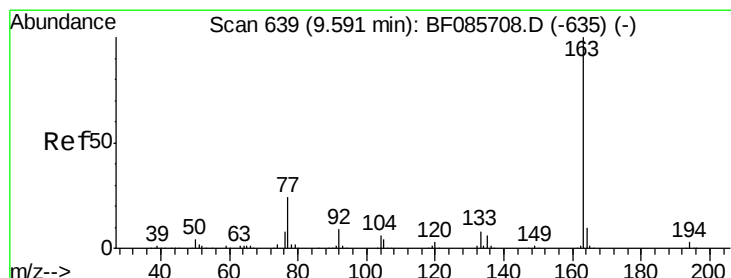
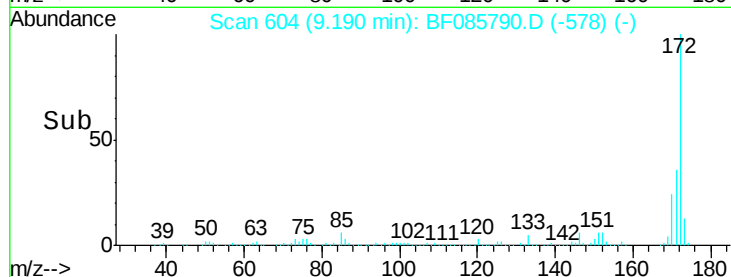
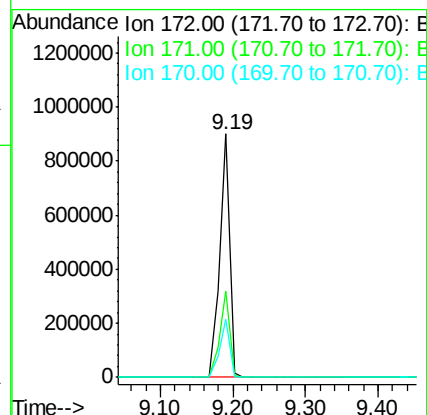
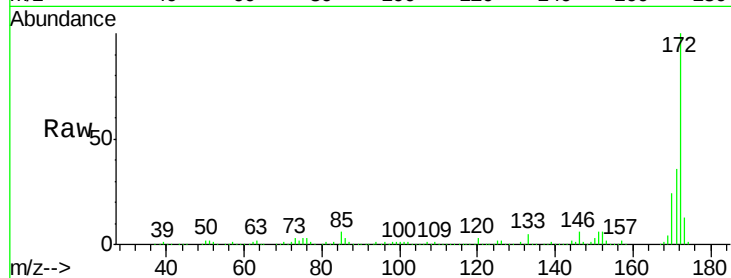




#44  
2-Fluorobiphenyl  
Concen: 87.44 ng  
RT: 9.19 min Scan# 604  
Delta R.T. -0.00 min  
Lab File: BF085790.D  
Acq: 26 Mar 2016 4:49

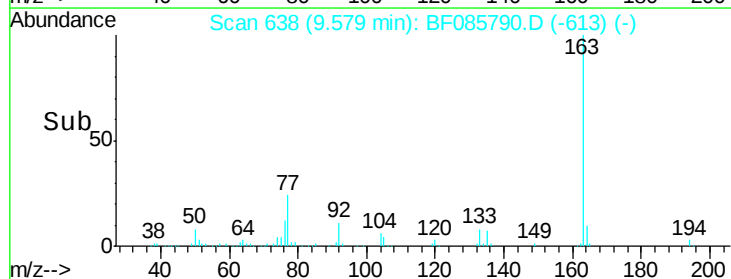
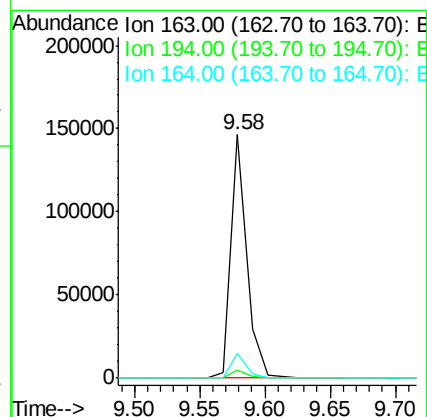
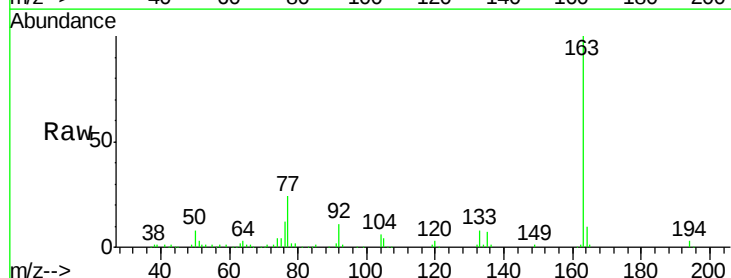
Instrument :  
BNA\_F  
ClientSampleId :  
S-PG-C(0-6)

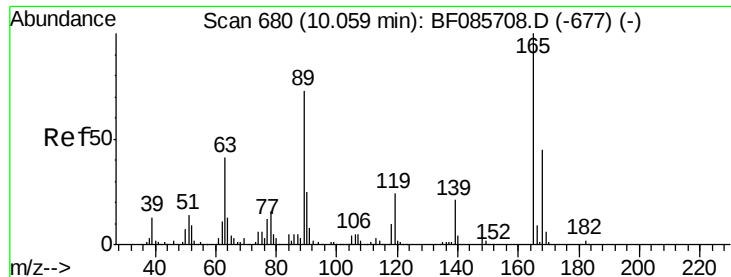
Tgt Ion:172 Resp: 855748  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.4 44.2  
170 24.0 19.8 29.6



#49  
Dimethylphthalate  
Concen: 10.09 ng  
RT: 9.58 min Scan# 638  
Delta R.T. -0.01 min  
Lab File: BF085790.D  
Acq: 26 Mar 2016 4:49

Tgt Ion:163 Resp: 125176  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.9 4.3  
164 10.2 8.3 12.5

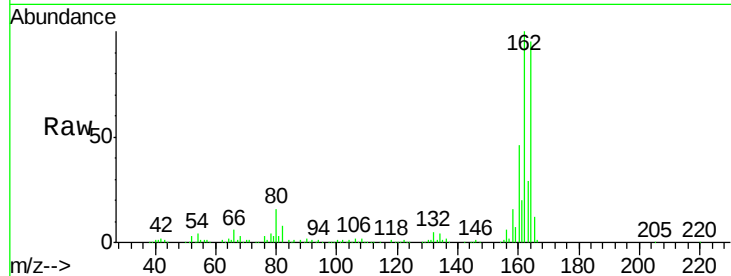




#56  
 2,4-Dinitrotoluene  
 Concen: 5.98 ng  
 RT: 9.86 min Scan# 663  
 Delta R.T. -0.19 min  
 Lab File: BF085790.D  
 Acq: 26 Mar 2016 4:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-PG-C(0-6)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.9   | 24.9  | 37.3# |
| 89      | 2.0   | 41.0  | 61.6# |
| 182     | 0.0   | 2.1   | 3.1#  |

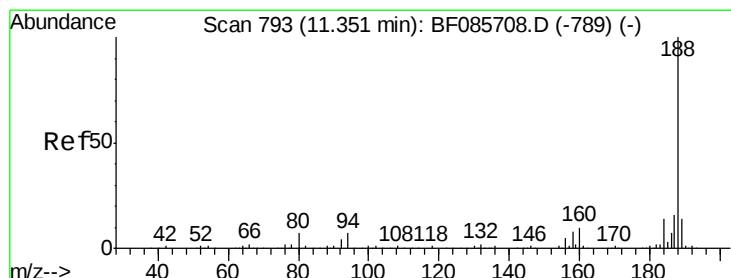
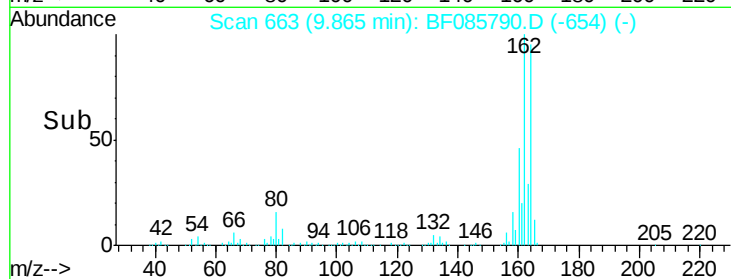
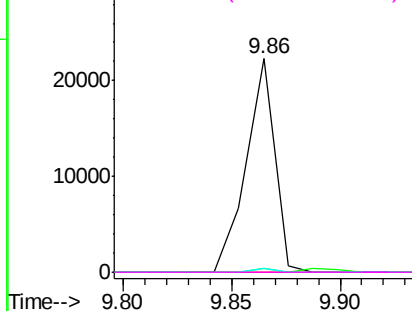


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

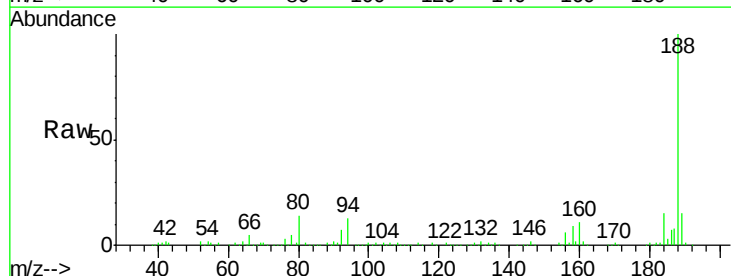
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.34 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF085790.D  
 Acq: 26 Mar 2016 4:49

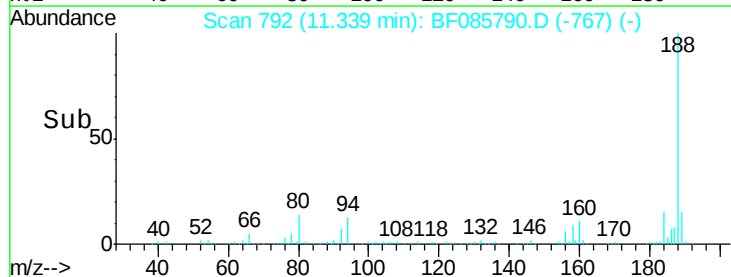
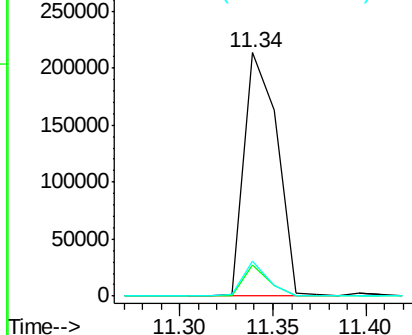
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 13.0  | 5.4   | 8.0#  |
| 80      | 14.5  | 5.5   | 8.3#  |

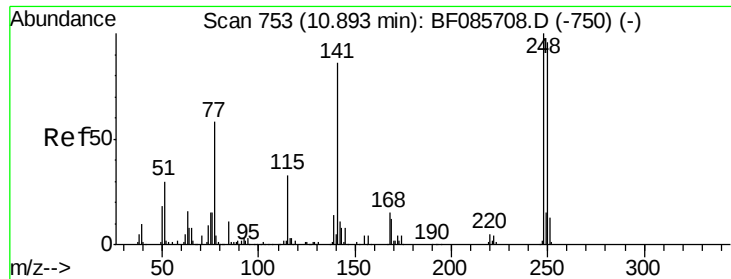


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

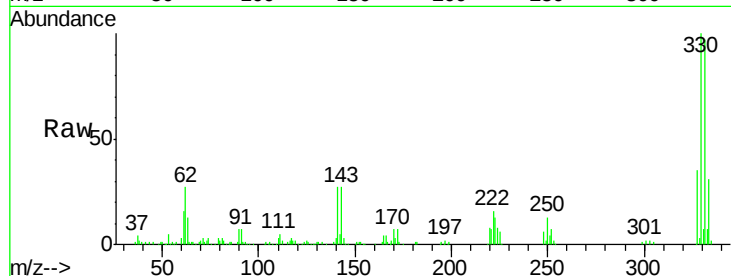




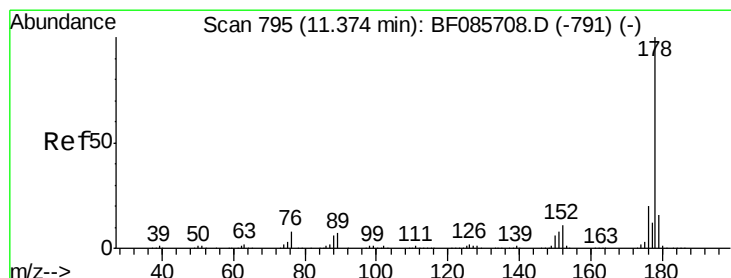
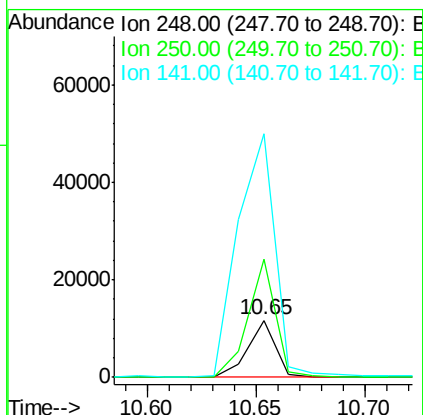
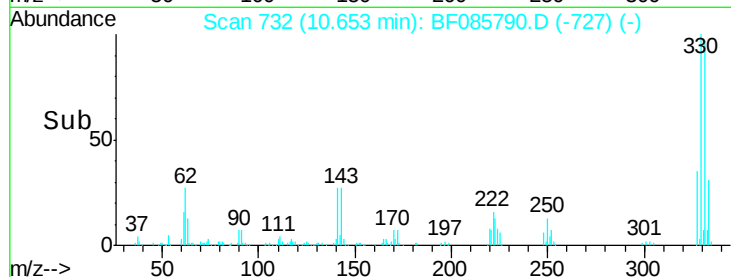
#66  
4-Bromophenyl-phenylether  
Concen: 3.86 ng  
RT: 10.65 min Scan# 732  
Delta R.T. -0.24 min  
Lab File: BF085790.D  
Acq: 26 Mar 2016 4:49

Instrument :  
BNA\_F  
ClientSampleId :  
S-PG-C(0-6)

Tgt Ion:248 Resp: 10394  
Ion Ratio Lower Upper  
248 100  
250 206.7 77.4 116.0#  
141 427.1 63.6 95.4#

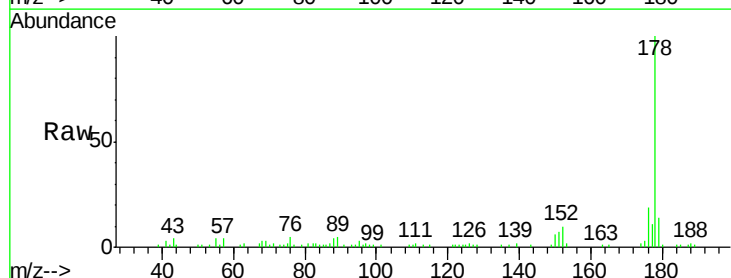


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

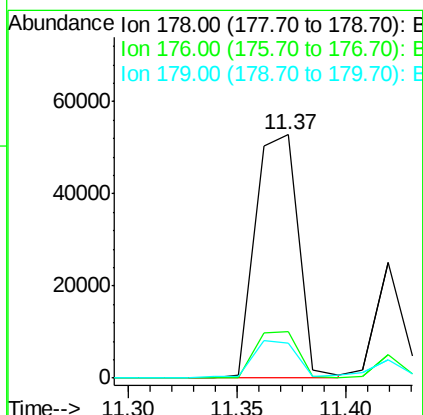
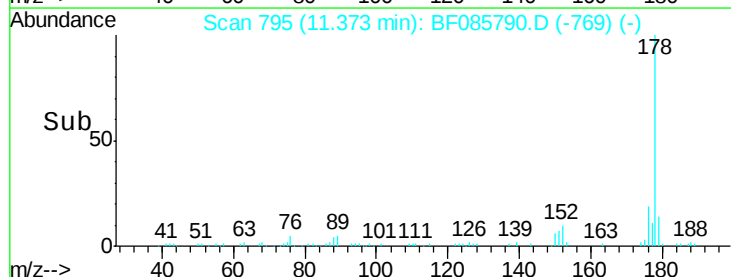


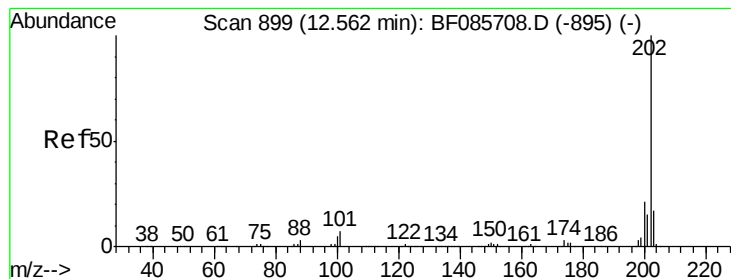
#70  
Phenanthrene  
Concen: 5.38 ng  
RT: 11.37 min Scan# 795  
Delta R.T. -0.00 min  
Lab File: BF085790.D  
Acq: 26 Mar 2016 4:49

Tgt Ion:178 Resp: 72779  
Ion Ratio Lower Upper  
178 100  
176 19.1 16.3 24.5  
179 14.4 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





#74

Fluoranthene

Concen: 11.28 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

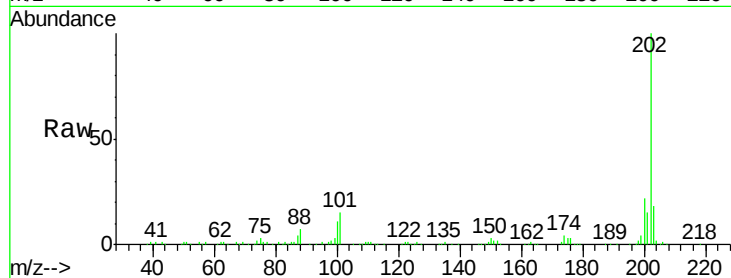
Tgt Ion: 202 Resp: 162147

Ion Ratio Lower Upper

202 100

101 15.0 0.0 36.6

203 17.8 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

200000

150000

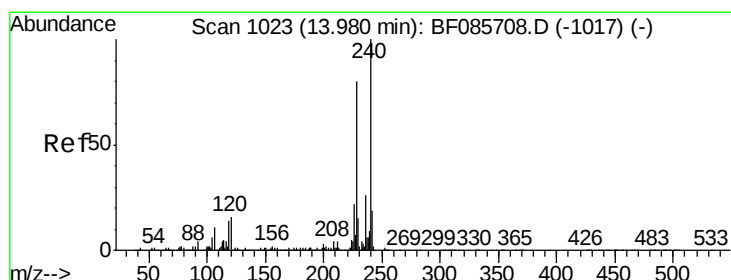
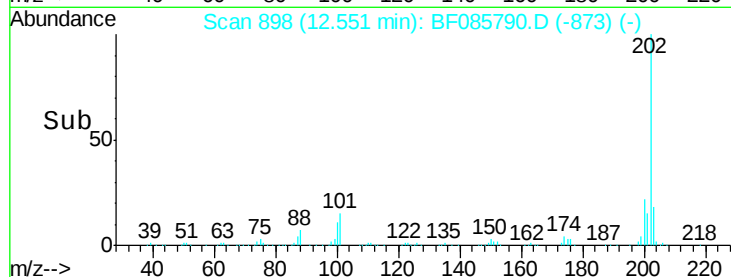
100000

50000

0

12.50 12.55 12.60

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

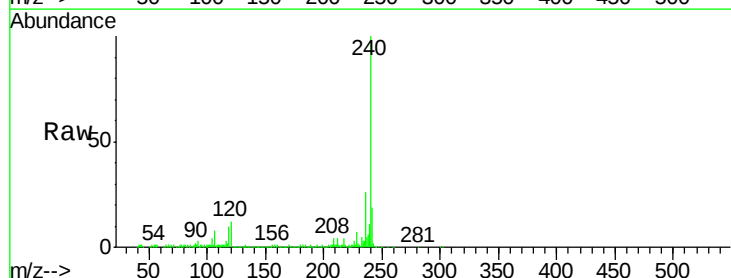
Tgt Ion: 240 Resp: 248984

Ion Ratio Lower Upper

240 100

120 11.7 13.8 20.8#

236 26.4 20.6 30.8



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

400000

300000

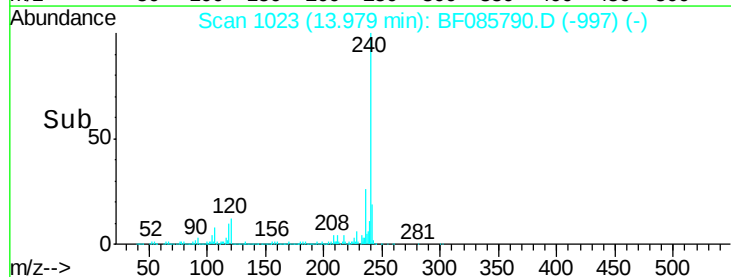
200000

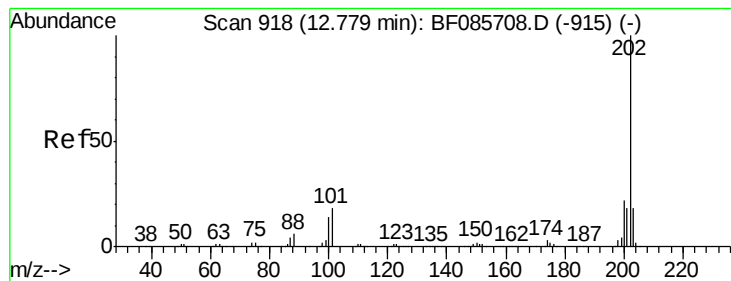
100000

0

13.90 14.00 14.10

Time-->





#77

Pyrene

Concen: 7.58 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

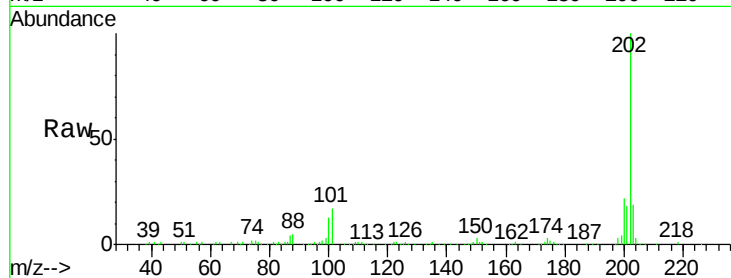
Tgt Ion: 202 Resp: 155039

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

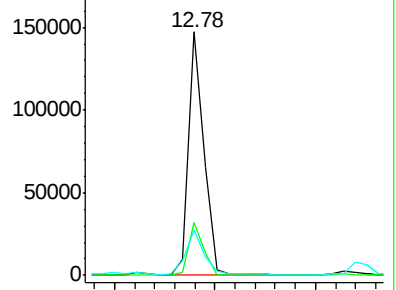
203 18.7 14.0 21.0



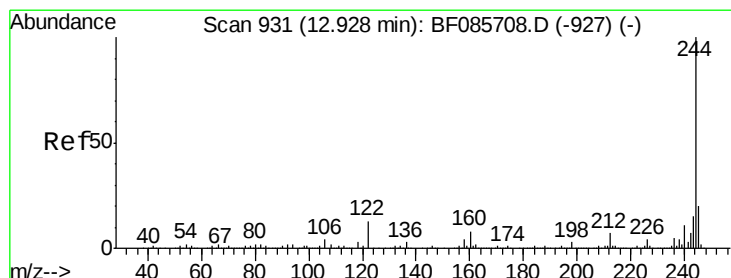
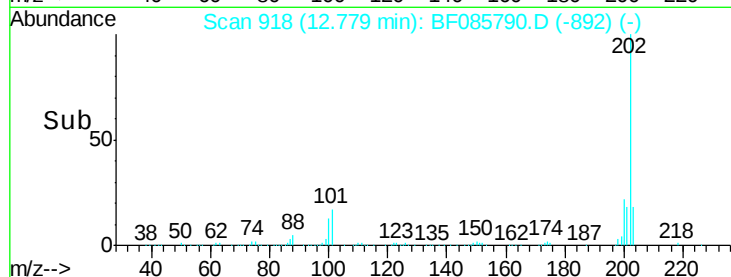
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 43.35 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

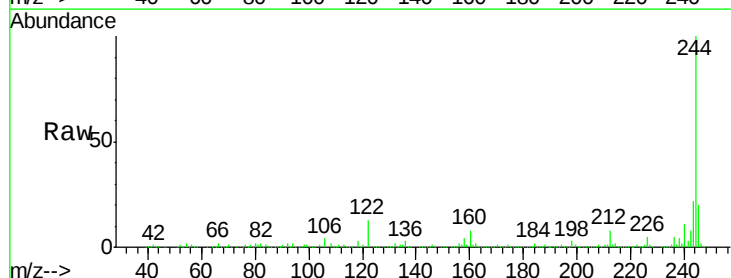
Tgt Ion: 244 Resp: 524803

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

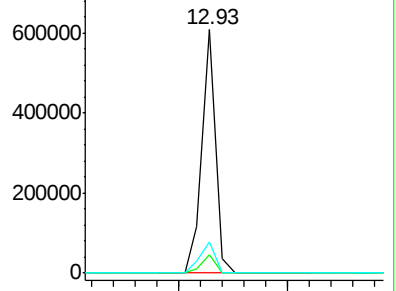
122 12.6 10.2 15.4



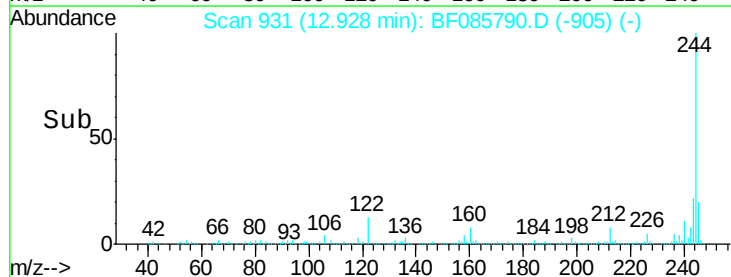
Abundance Ion 244.00 (243.70 to 244.70): E

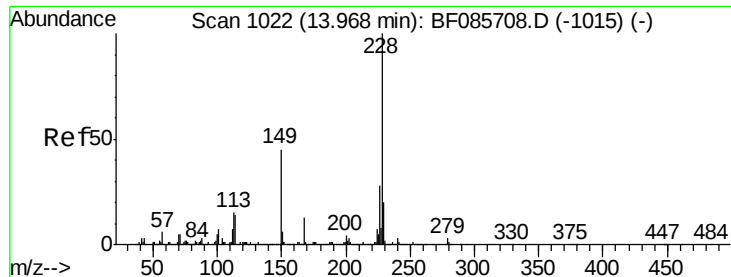
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 5.28 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

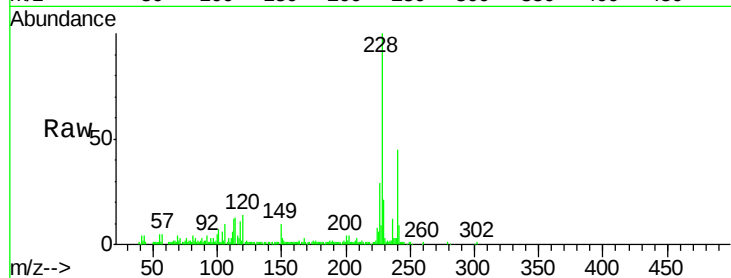
Tgt Ion:228 Resp: 75028

Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

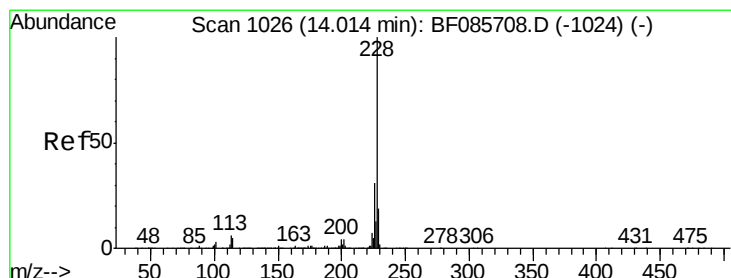
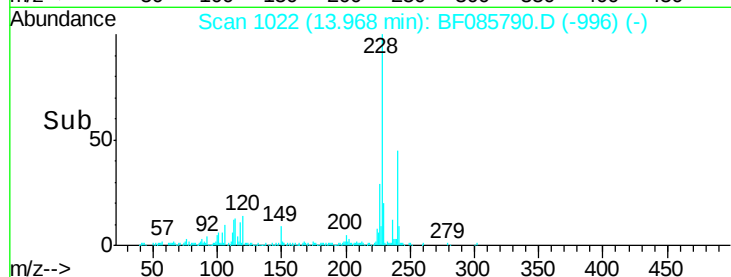
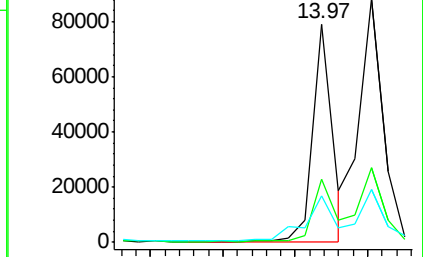
229 21.1 16.2 24.4



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: 6.92 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

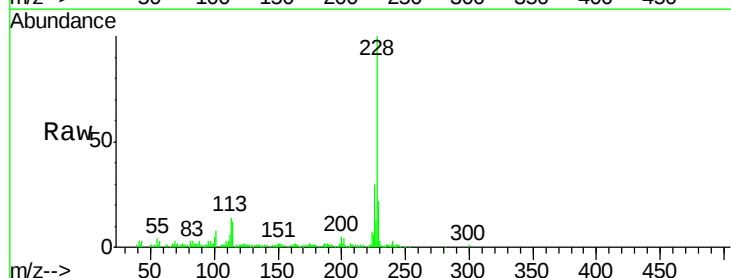
Tgt Ion:228 Resp: 98927

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

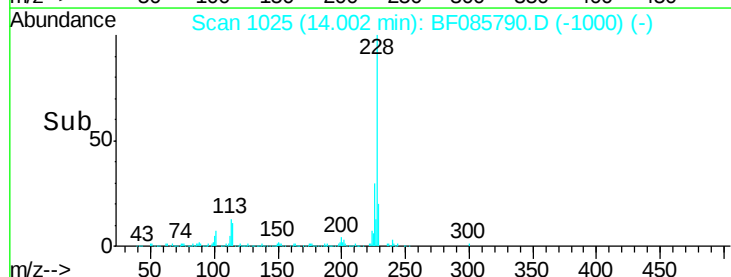
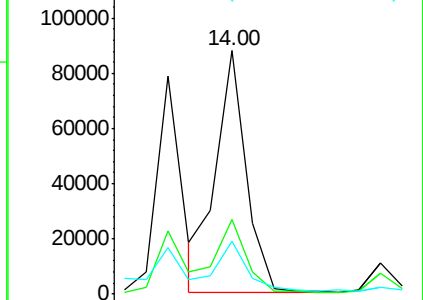
229 21.6 15.7 23.5

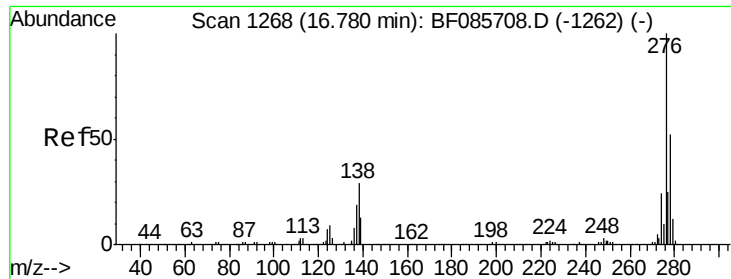


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

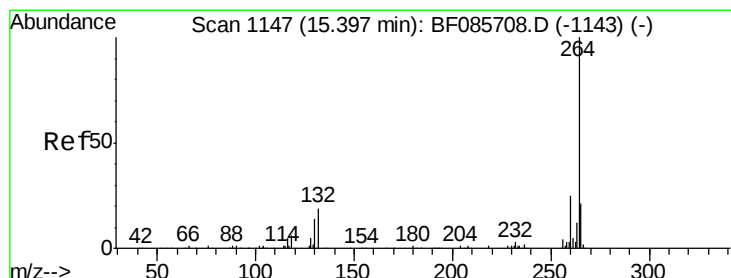
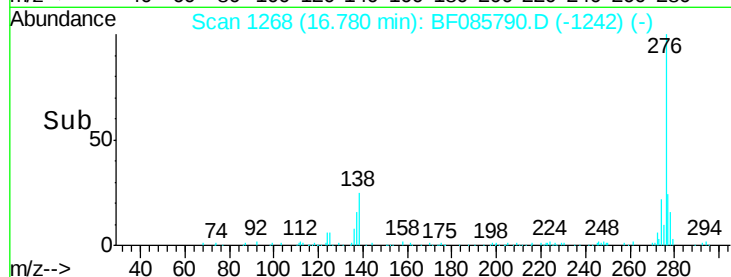
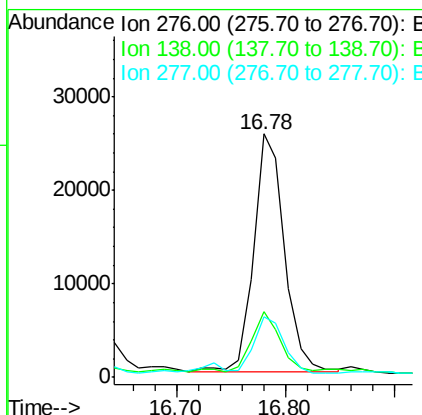
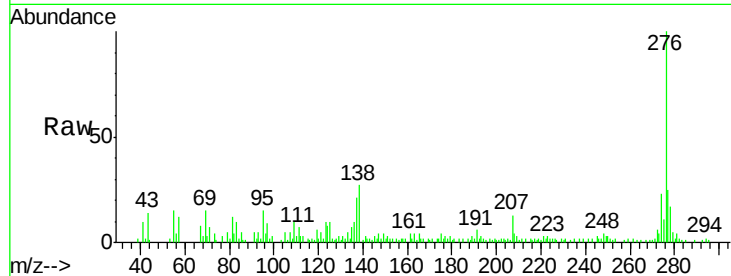




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.52 ng  
 RT: 16.78 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: BF085790.D  
 Acq: 26 Mar 2016 4:49

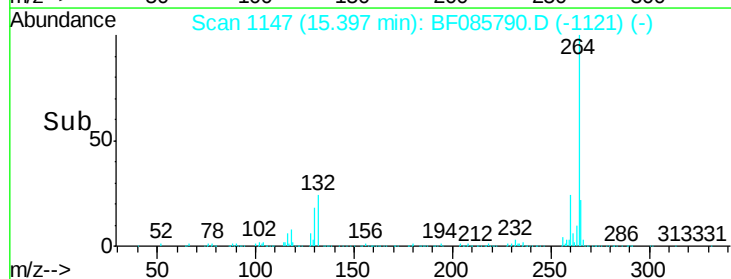
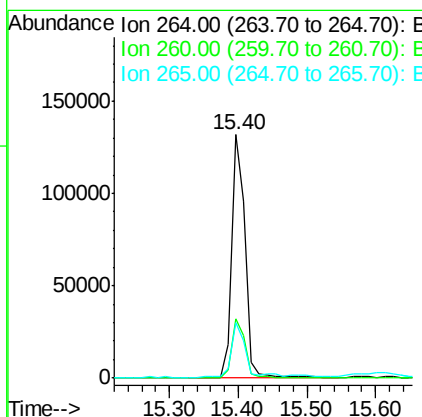
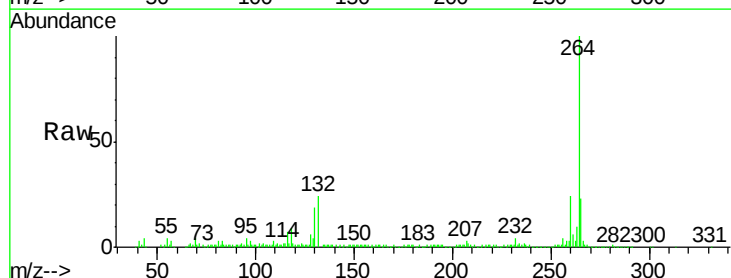
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-PG-C(0-6)

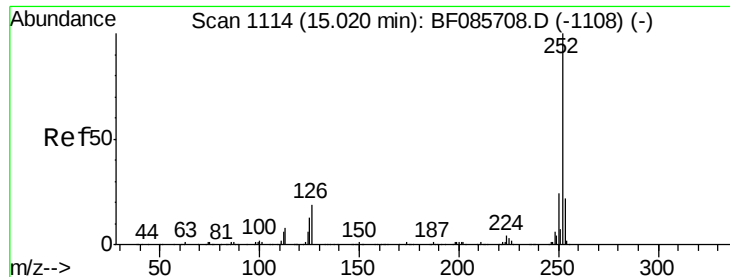
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.3  | 24.2  | 36.4  |
| 277     | 22.8  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.40 min Scan# 1147  
 Delta R.T. -0.00 min  
 Lab File: BF085790.D  
 Acq: 26 Mar 2016 4:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.4  | 29.2  |
| 265     | 22.9  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 14.48 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

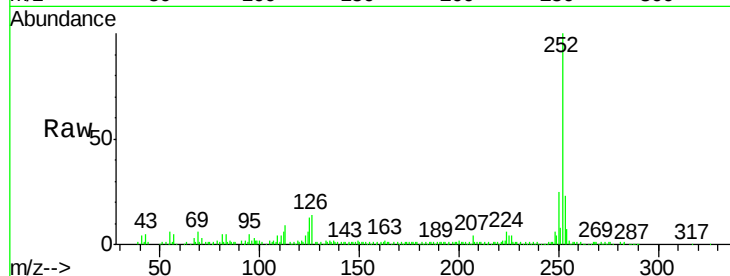
Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

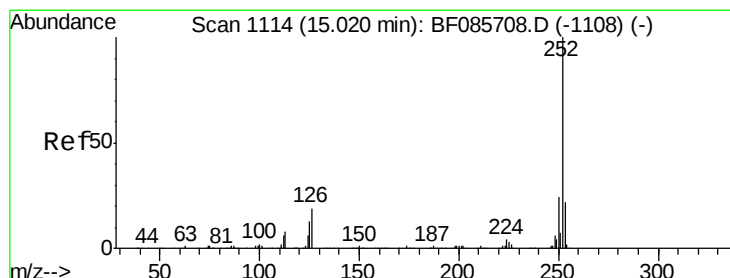
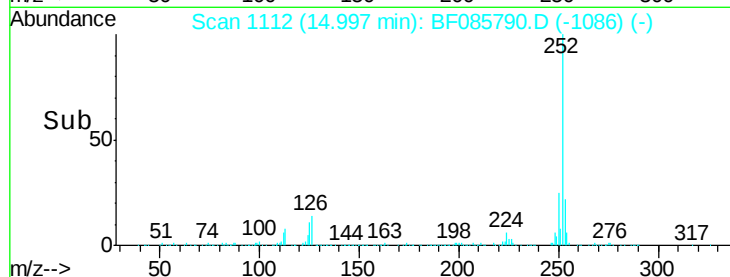
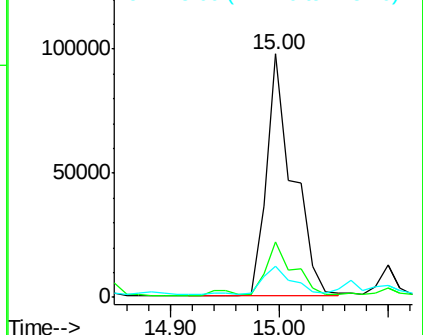
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 165999 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.7  | 17.6  | 26.4   |
| 125      | 12.6  | 10.3  | 15.5   |



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 16.06 ng

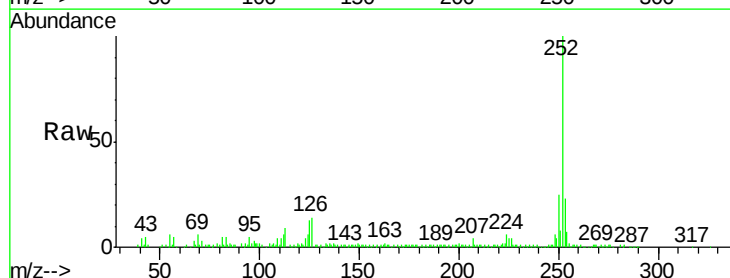
RT: 15.00 min Scan# 1112

Delta R.T. -0.02 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

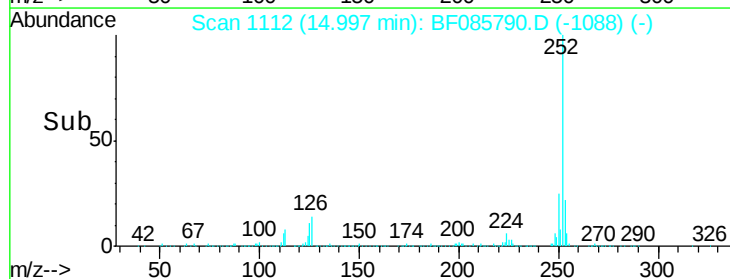
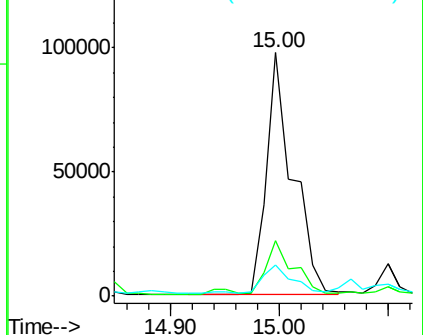
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 165999 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.7  | 17.8  | 26.6   |
| 125      | 12.6  | 7.7   | 11.5#  |

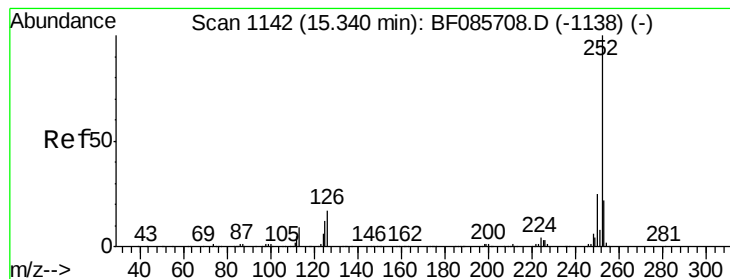


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.07 ng

RT: 15.34 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

S-PG-C(0-6)

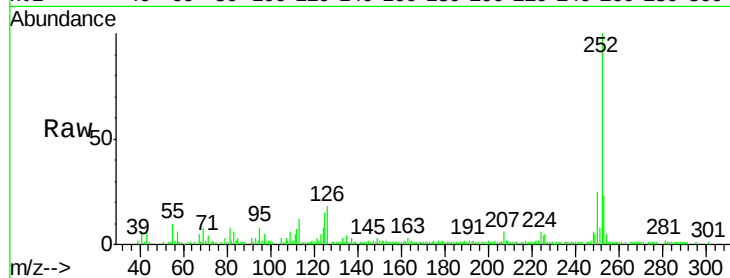
Tgt Ion: 252 Resp: 71989

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

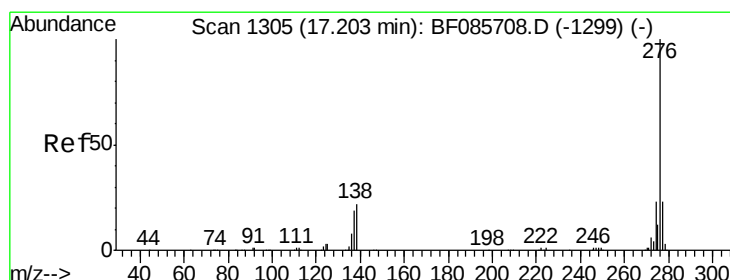
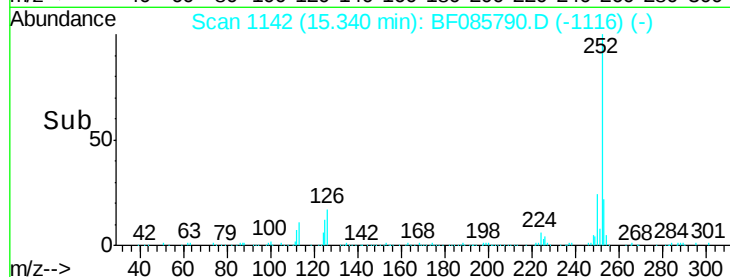
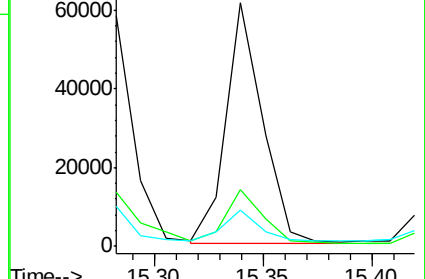
125 14.7 10.3 15.5



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: 5.90 ng

RT: 17.20 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF085790.D

Acq: 26 Mar 2016 4:49

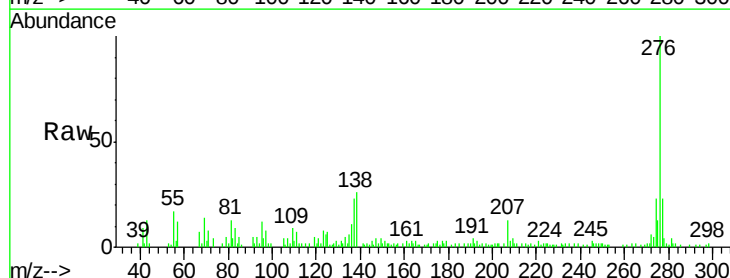
Tgt Ion: 276 Resp: 56479

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 25.9 22.6 34.0



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

