

Data Path : S:\HPCHEM1\BNA\_F\DATA\BF012315\  
 Data File : BF077041.D  
 Acq On : 23 Jan 2015 17:12  
 Operator : TP/IZ  
 Sample : G7058-13  
 Misc : QUANT AS REG SAMPLE  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G7058-13

Quant Time: Jan 26 10:31:52 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 23 22:30:04 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 22544    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.68 | 136  | 94157    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.80 | 164  | 50392    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.64 | 188  | 86255    | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.15 | 240  | 80844    | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.78 | 264  | 75619    | 20.00 | ng    | -0.01    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 4.78  | 112 | 167962 | 122.50 | ng | -0.01 |
| 7) Phenol-d6                | 7.17  | 99  | 221952 | 128.32 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.06  | 82  | 143112 | 84.21  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 16.52 | 330 | 58527  | 143.08 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 13.34 | 172 | 298274 | 90.08  | ng | 0.00  |
| 78) Terphenyl-d14           | 19.88 | 244 | 322254 | 91.77  | ng | 0.00  |

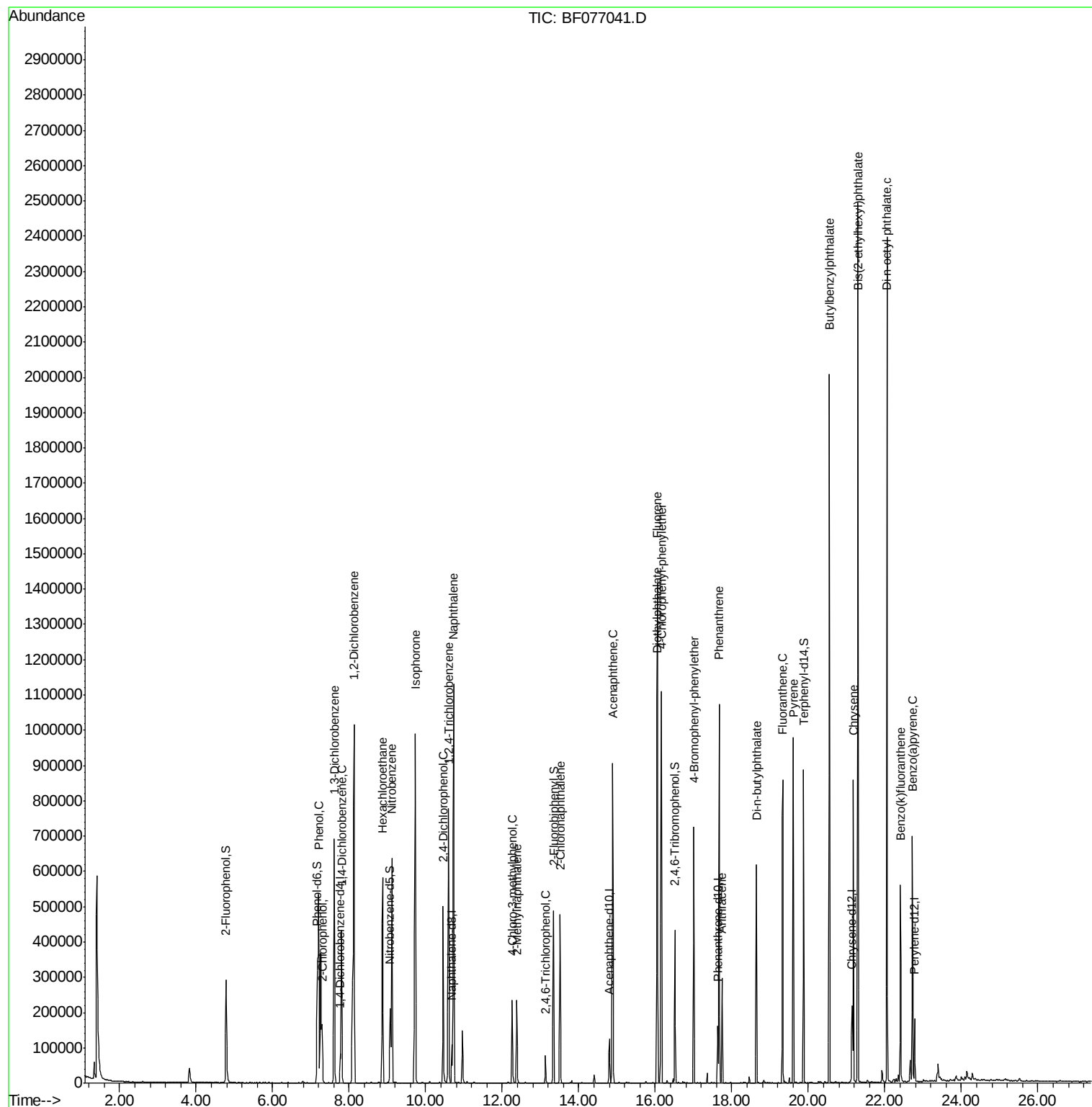
|                                |       |     |         |        |    |        |
|--------------------------------|-------|-----|---------|--------|----|--------|
| Target Compounds               |       |     |         |        |    | Qvalue |
| 8) 2-Chlorophenol              | 7.29  | 128 | 77924   | 49.30  | ng | 98     |
| 10) Phenol                     | 7.20  | 94  | 279155  | 151.98 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 7.61  | 146 | 284789  | 158.36 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 7.81  | 146 | 191425  | 100.38 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.13  | 146 | 418352  | 238.08 | ng | 99     |
| 18) Hexachloroethane           | 8.87  | 117 | 119885  | 180.74 | ng | 89     |
| 24) Nitrobenzene               | 9.12  | 77  | 368504  | 212.84 | ng | 99     |
| 25) Isophorone                 | 9.73  | 82  | 776198  | 250.77 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 10.46 | 162 | 185026  | 148.27 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.60 | 180 | 253602  | 182.98 | ng | 98     |
| 31) Naphthalene                | 10.73 | 128 | 852113  | 175.78 | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 12.27 | 107 | 87787   | 61.44  | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.38 | 142 | 116734  | 35.26  | ng | 96     |
| 42) 2,4,6-Trichlorophenol      | 13.13 | 196 | 20163   | 22.21  | ng | 89     |
| 46) 2-Chloronaphthalene        | 13.51 | 162 | 247799  | 80.61  | ng | 96     |
| 51) Acenaphthene               | 14.88 | 154 | 365485  | 124.23 | ng | 96     |
| 57) Fluorene                   | 16.06 | 166 | 538901  | 148.42 | ng | 99     |
| 59) Diethylphthalate           | 16.05 | 149 | 198391  | 54.93  | ng | 98     |
| 60) 4-Chlorophenyl-phenylether | 16.16 | 204 | 356397  | 239.90 | ng | # 83   |
| 66) 4-Bromophenyl-phenylether  | 17.01 | 248 | 108405  | 124.05 | ng | 90     |
| 70) Phenanthrene               | 17.67 | 178 | 502625  | 93.44  | ng | 99     |
| 71) Anthracene                 | 17.74 | 178 | 170379  | 32.48  | ng | 98     |
| 73) Di-n-butylphthalate        | 18.64 | 149 | 524431  | 89.05  | ng | 99     |
| 74) Fluoranthene               | 19.33 | 202 | 535625  | 97.18  | ng | 96     |
| 77) Pyrene                     | 19.61 | 202 | 652248  | 117.72 | ng | 100    |
| 79) Butylbenzylphthalate       | 20.55 | 149 | 597840  | 238.25 | ng | 90     |
| 82) Chrysene                   | 21.18 | 228 | 399341  | 86.33  | ng | 99     |
| 83) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 876541  | 252.47 | ng | 100    |
| 84) Di-n-octyl phthalate       | 22.06 | 149 | 1605166 | 266.39 | ng | 99     |
| 88) Benzo(k)fluoranthene       | 22.40 | 252 | 289665  | 65.10  | ng | # 97   |
| 89) Benzo(a)pyrene             | 22.72 | 252 | 334896  | 74.55  | ng | # 96   |

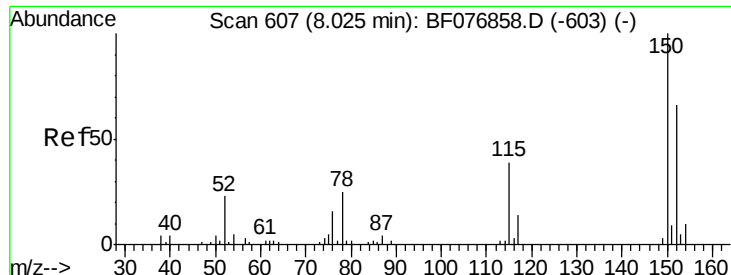
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 584

Delta R.T. 0.00 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampleId :

G7058-13

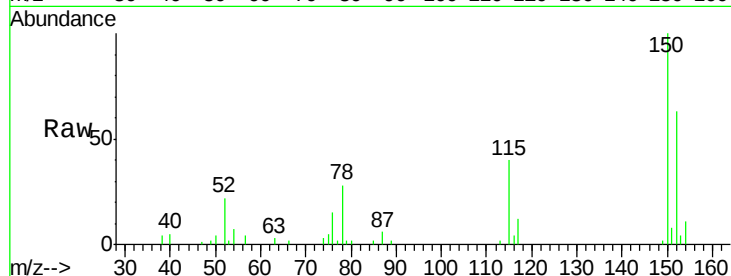
Tgt Ion:152 Resp: 22544

Ion Ratio Lower Upper

152 100

150 157.6 121.7 182.5

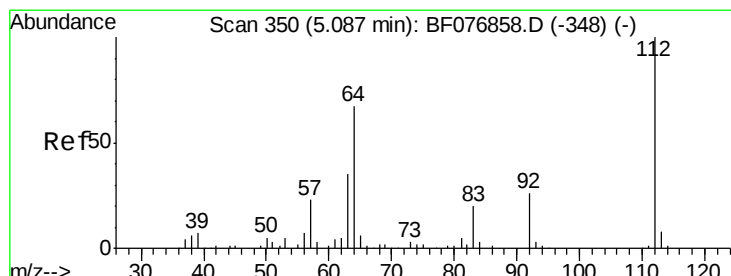
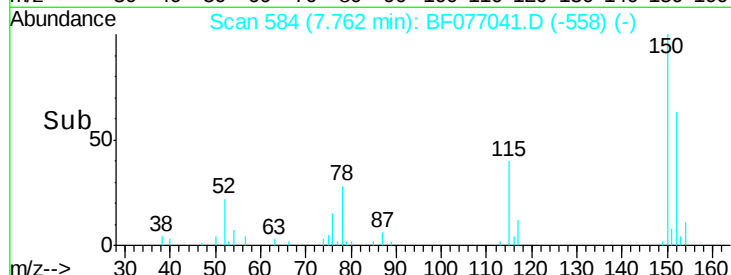
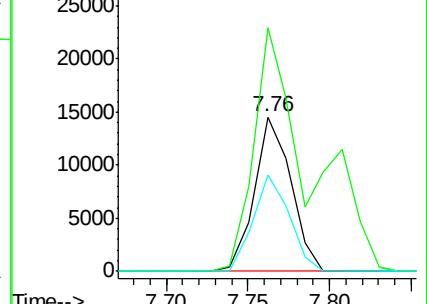
115 62.3 47.0 70.6



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: 122.50 ng

RT: 4.78 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

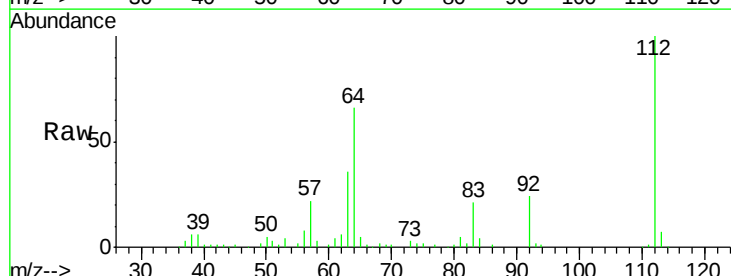
Tgt Ion:112 Resp: 167962

Ion Ratio Lower Upper

112 100

64 65.8 54.2 81.4

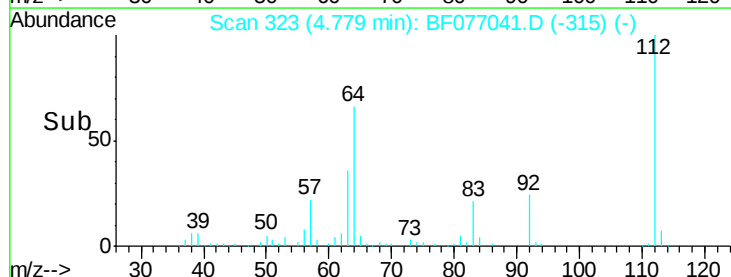
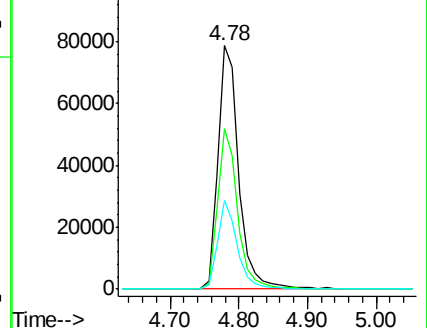
63 36.5 28.4 42.6



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: 128.32 ng

RT: 7.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampled :

G7058-13

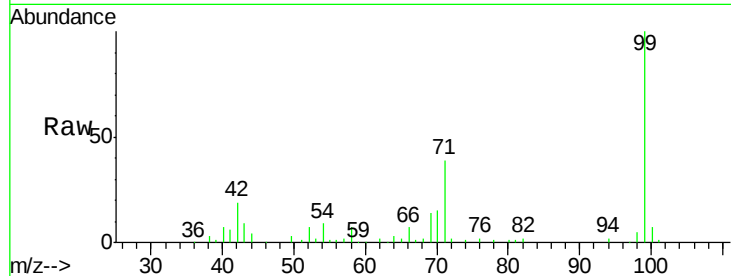
Tgt Ion: 99 Resp: 221952

Ion Ratio Lower Upper

99 100

42 19.2 15.0 22.4

71 39.0 30.5 45.7

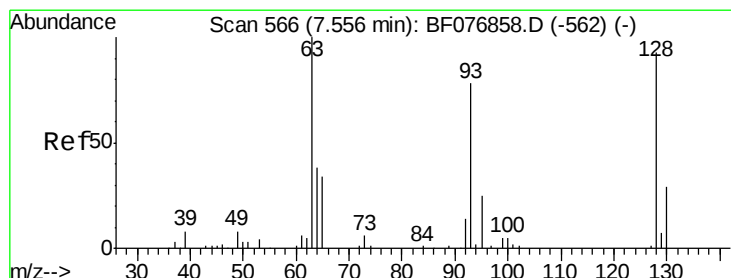
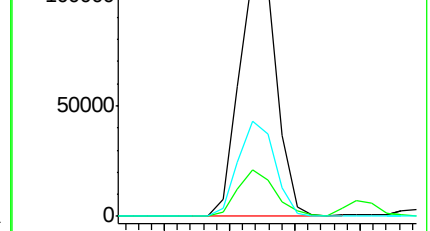
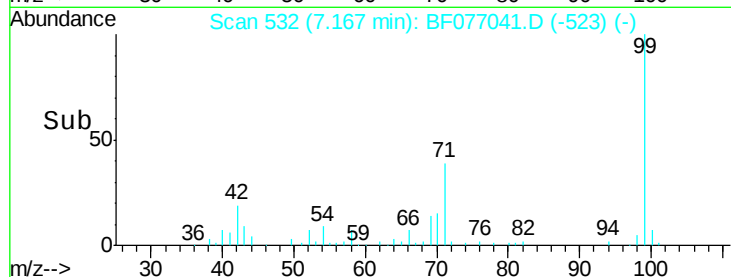


Abundance Ion 99.00 (98.70 to 99.70): BF076858.D (-551) (-)

Ion 42.00 (41.70 to 42.70): BF076858.D (-551) (-)

Ion 71.00 (70.70 to 71.70): BF076858.D (-551) (-)

Time-->



#8

2-Chlorophenol

Concen: 49.30 ng

RT: 7.29 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

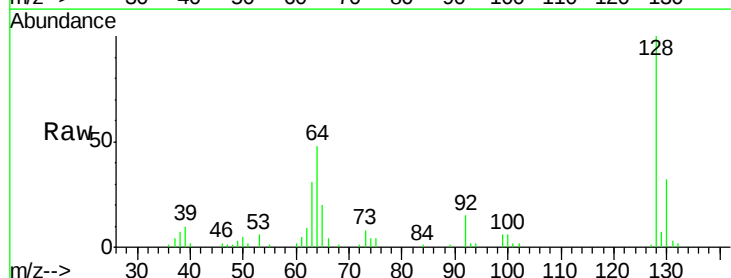
Tgt Ion: 128 Resp: 77924

Ion Ratio Lower Upper

128 100

130 32.1 11.0 51.0

64 48.1 29.3 69.3

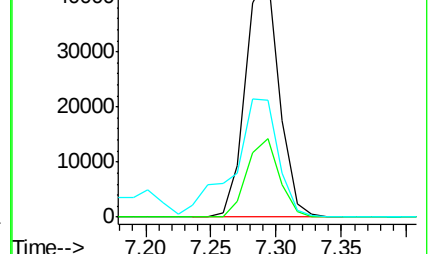
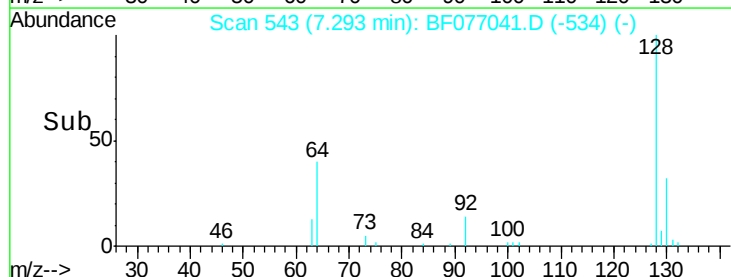


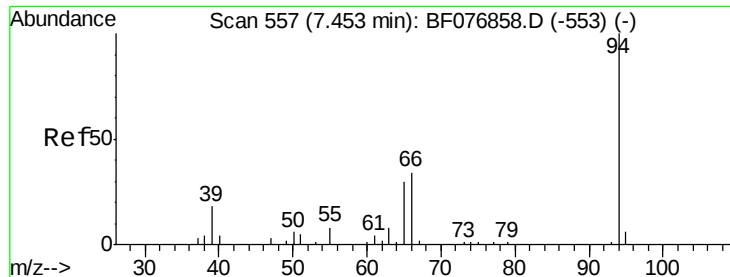
Abundance Ion 128.00 (127.70 to 128.70): BF076858.D (-562) (-)

Ion 130.00 (129.70 to 130.70): BF076858.D (-562) (-)

Ion 64.00 (63.70 to 64.70): BF076858.D (-562) (-)

Time-->





#10

Phenol

Concen: 151.98 ng

RT: 7.20 min Scan# 535

Delta R.T. 0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampled :

G7058-13

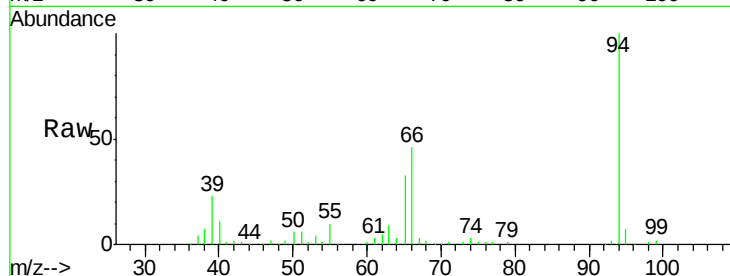
Tgt Ion: 94 Resp: 279155

Ion Ratio Lower Upper

94 100

65 33.2 11.3 51.3

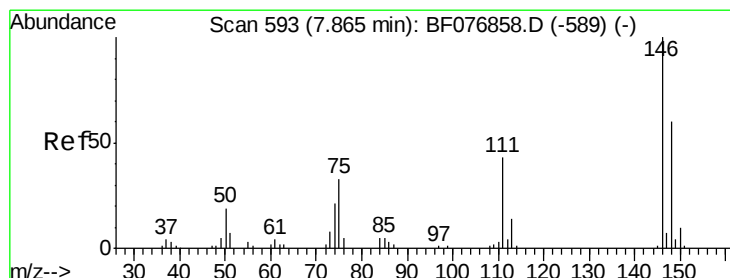
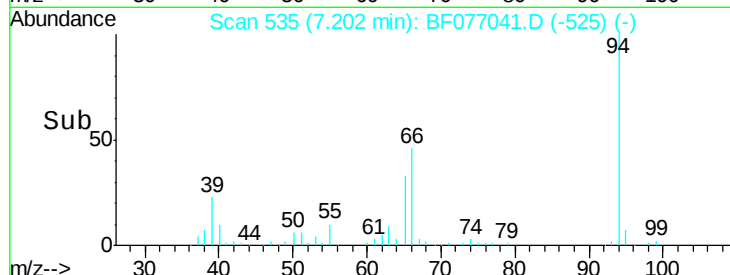
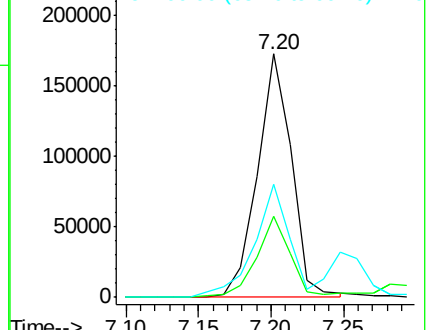
66 46.5 19.5 59.5



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#12

1,3-Dichlorobenzene

Concen: 158.36 ng

RT: 7.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

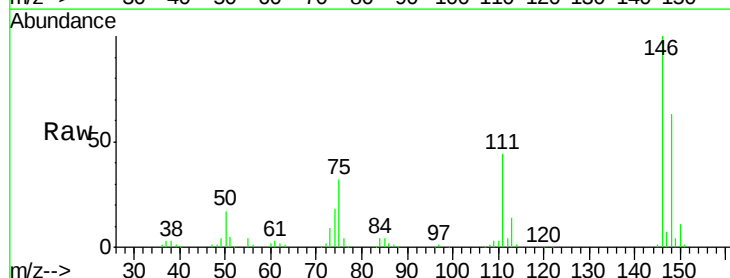
Tgt Ion: 146 Resp: 284789

Ion Ratio Lower Upper

146 100

148 63.2 48.1 72.1

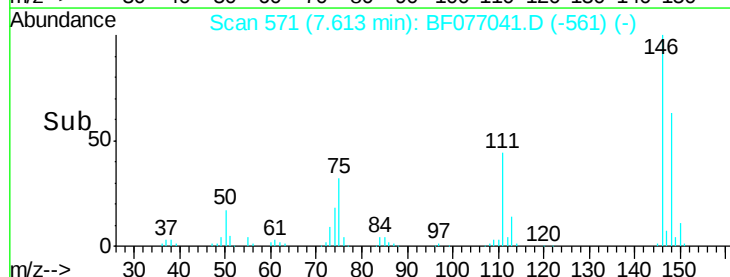
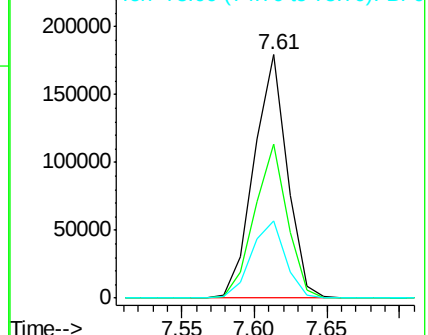
75 31.9 26.8 40.2

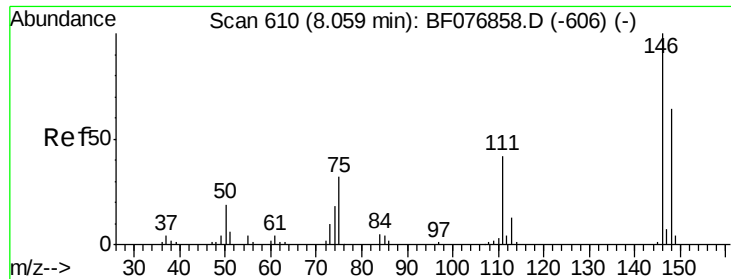


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

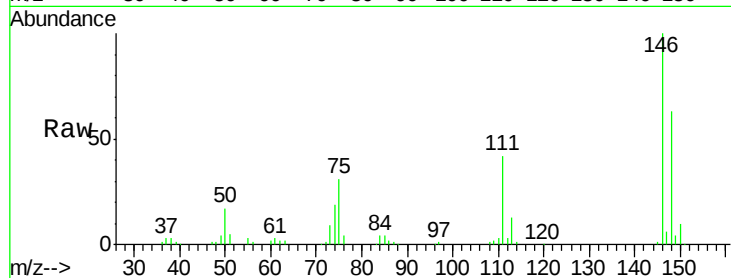




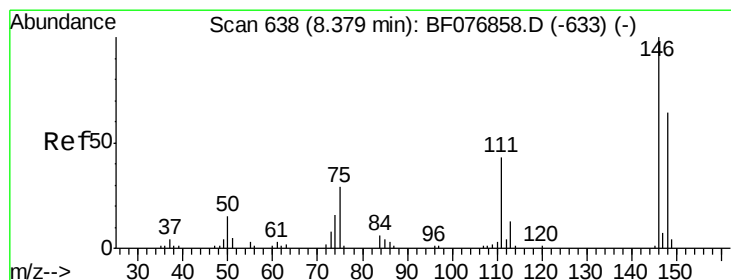
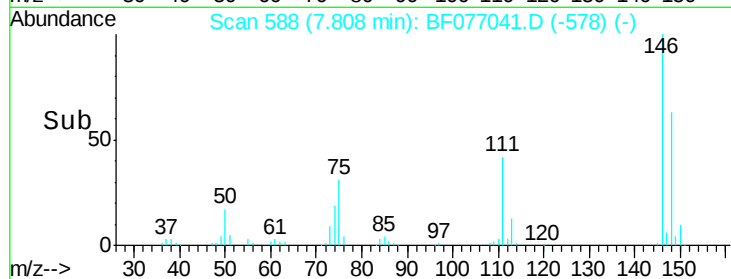
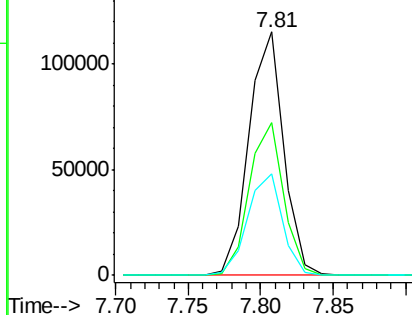
#13  
 1,4-Dichlorobenzene  
 Concen: 100.38 ng  
 RT: 7.81 min Scan# 588  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G7058-13

Tgt Ion:146 Resp: 191425  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 51.5 77.3  
 111 41.8 33.9 50.9

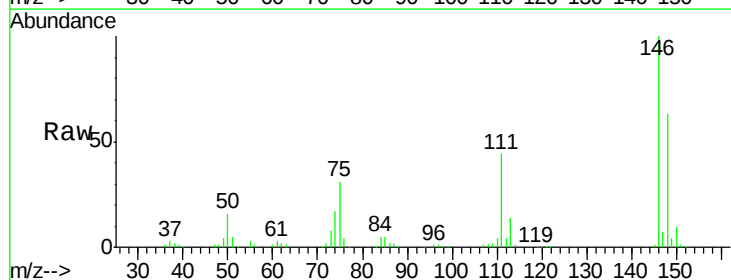


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

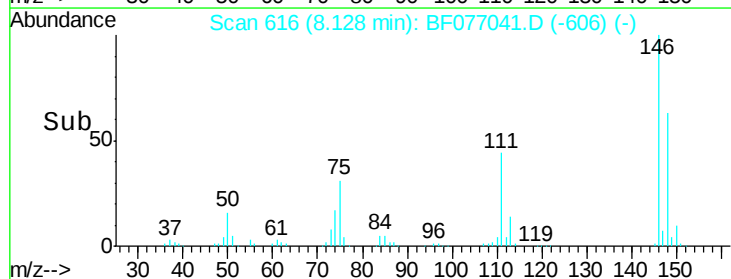
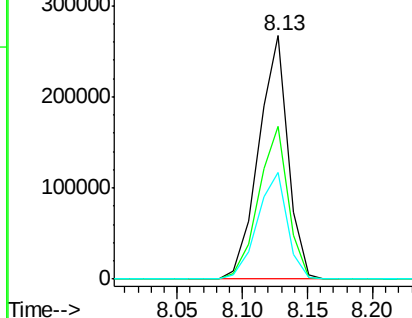


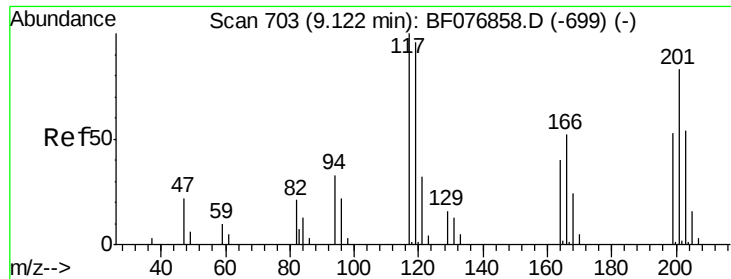
#14  
 1,2-Dichlorobenzene  
 Concen: 238.08 ng  
 RT: 8.13 min Scan# 616  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion:146 Resp: 418352  
 Ion Ratio Lower Upper  
 146 100  
 148 62.7 51.3 76.9  
 111 43.7 34.5 51.7



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

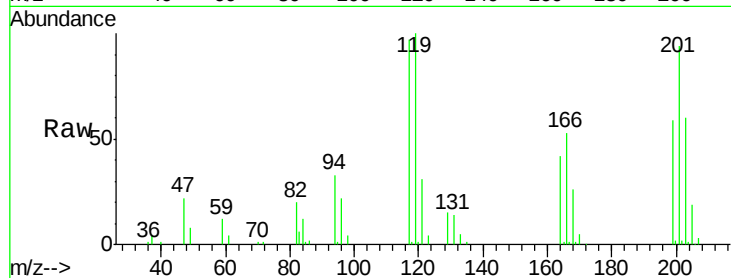




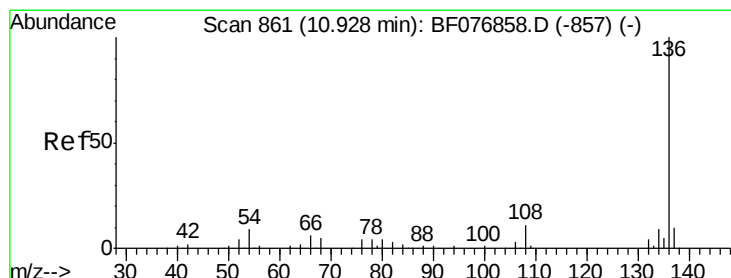
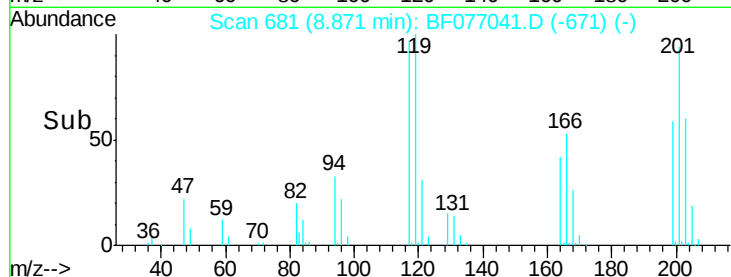
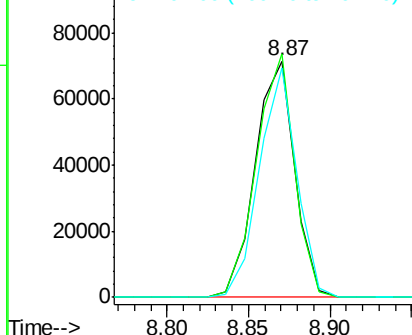
#18  
Hexachloroethane  
Concen: 180.74 ng  
RT: 8.87 min Scan# 681  
Delta R.T. 0.01 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Instrument :  
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ClientSampled :  
G7058-13

Tgt Ion:117 Resp: 119885  
Ion Ratio Lower Upper  
117 100  
119 103.2 77.1 115.7  
201 97.1 66.8 100.2

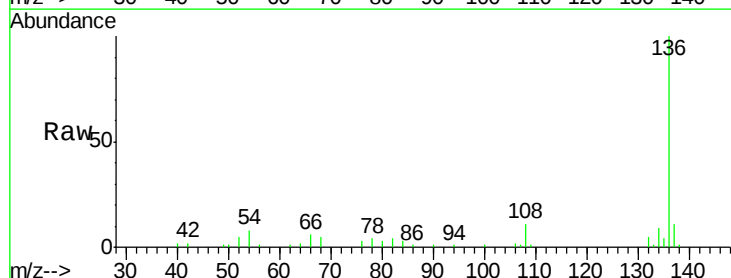


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

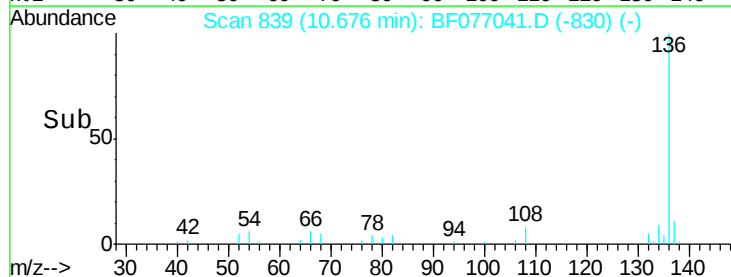
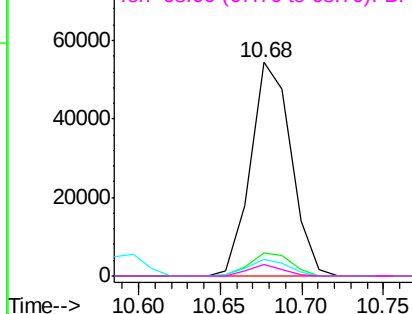


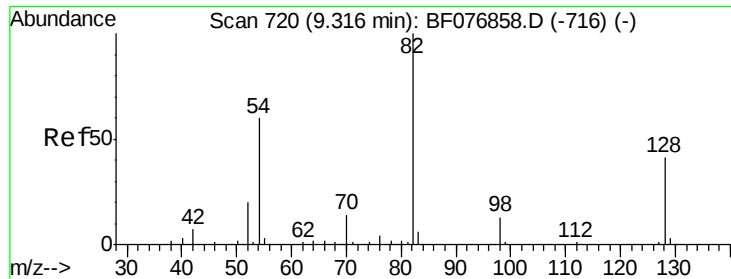
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.68 min Scan# 839  
Delta R.T. 0.00 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Tgt Ion:136 Resp: 94157  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.1 12.1  
54 7.8 7.0 10.4  
68 5.4 3.7 5.5



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

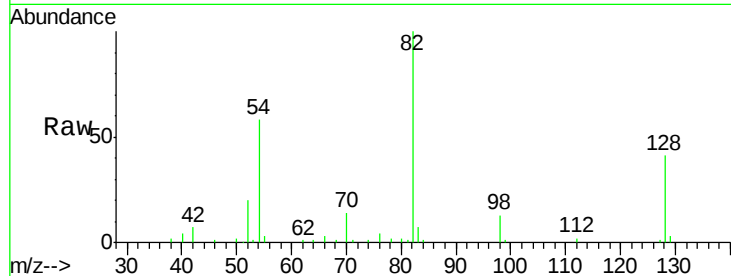




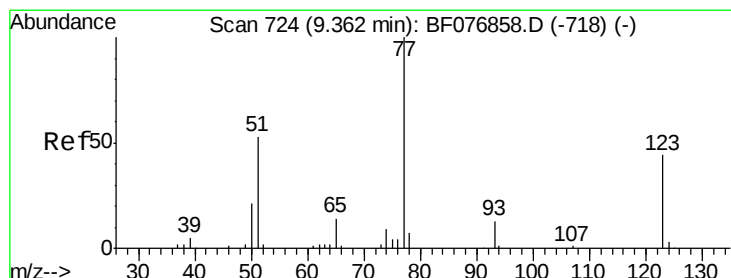
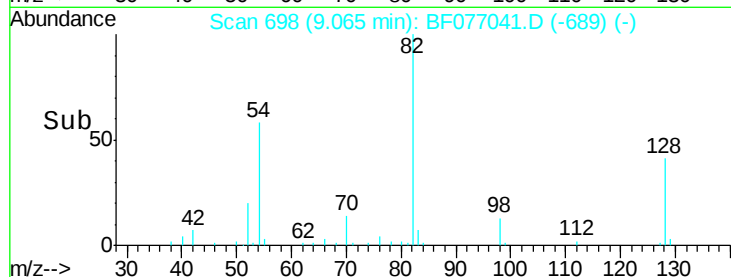
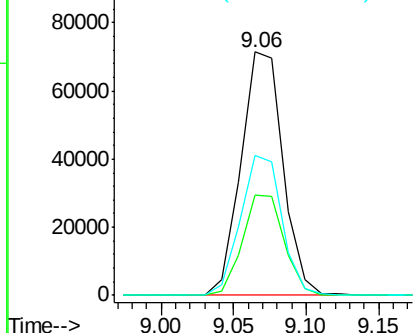
#23  
 Nitrobenzene-d5  
 Concen: 84.21 ng  
 RT: 9.06 min Scan# 698  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Instrument :  
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 ClientSampleId :  
 G7058-13

Tgt Ion: 82 Resp: 143112  
 Ion Ratio Lower Upper  
 82 100  
 128 41.4 33.1 49.7  
 54 57.6 48.3 72.5

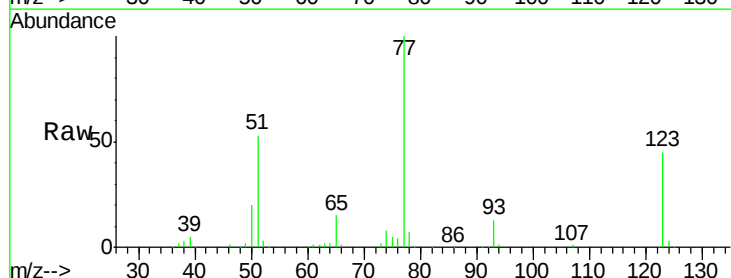


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

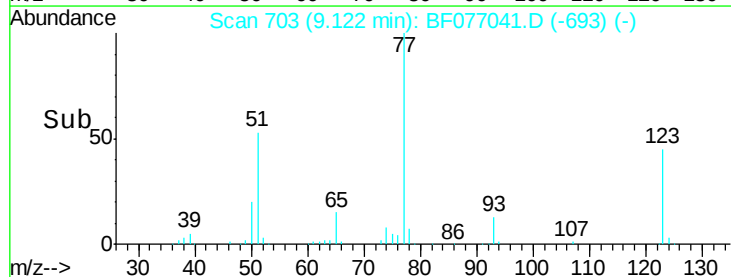
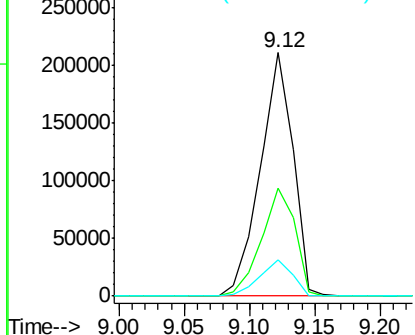


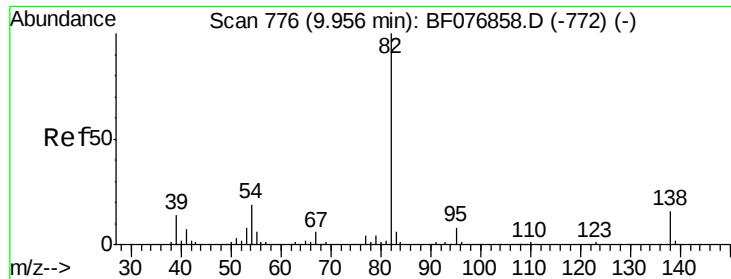
#24  
 Nitrobenzene  
 Concen: 212.84 ng  
 RT: 9.12 min Scan# 703  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion: 77 Resp: 368504  
 Ion Ratio Lower Upper  
 77 100  
 123 44.5 35.2 52.8  
 65 15.0 11.4 17.2



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 250.77 ng

RT: 9.73 min Scan# 756

Delta R.T. 0.02 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampleId :

G7058-13

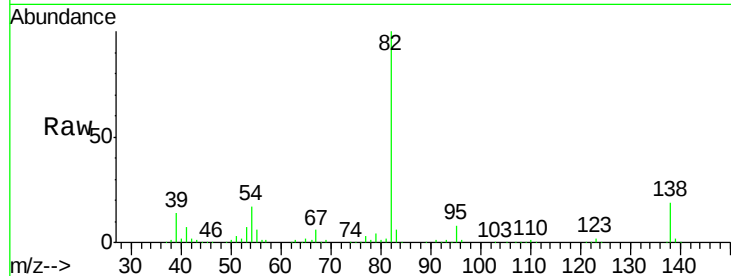
Tgt Ion: 82 Resp: 776198

Ion Ratio Lower Upper

82 100

95 7.6 6.6 10.0

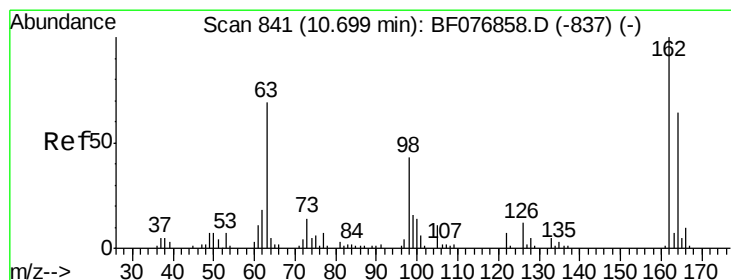
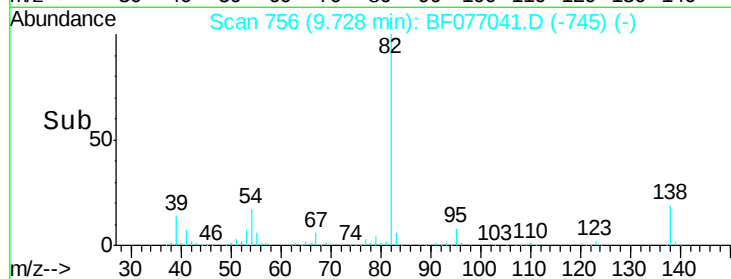
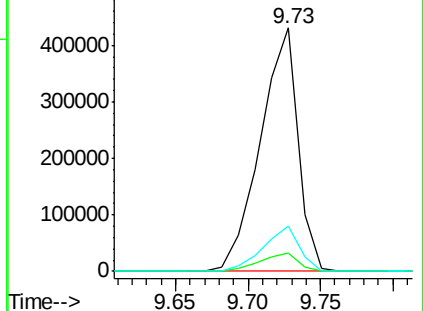
138 18.6 12.6 18.8



Abundance Ion 82.00 (81.70 to 82.70): BF076858.D (-772) (-)

Ion 95.00 (94.70 to 95.70): BF076858.D (-772) (-)

Ion 138.00 (137.70 to 138.70): BF076858.D (-772) (-)



#29

2,4-Dichlorophenol

Concen: 148.27 ng

RT: 10.46 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

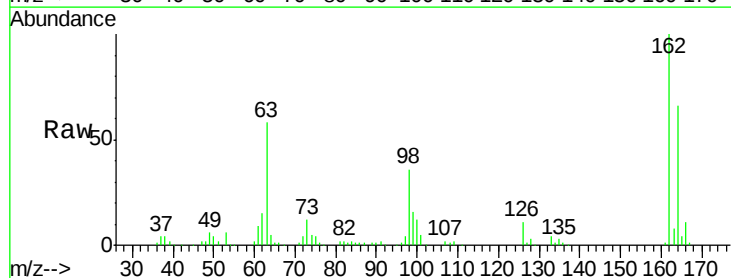
Tgt Ion: 162 Resp: 185026

Ion Ratio Lower Upper

162 100

164 65.9 43.8 83.8

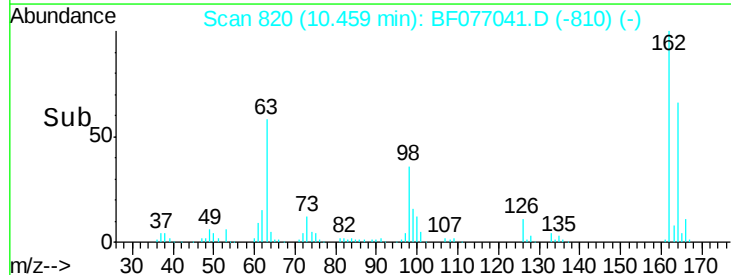
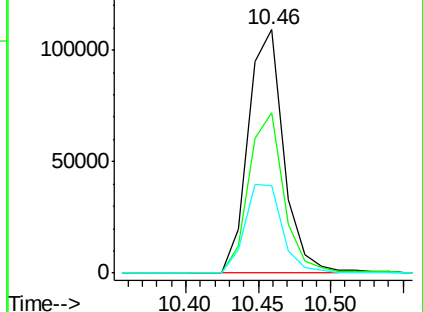
98 36.1 22.5 62.5

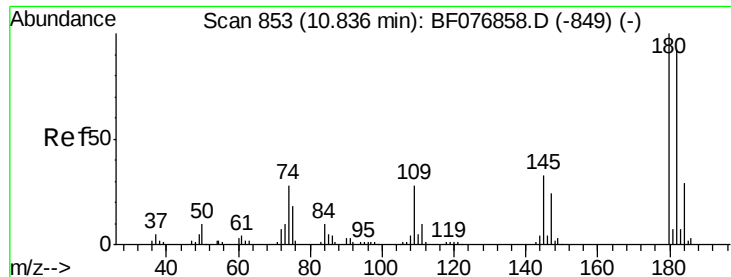


Abundance Ion 162.00 (161.70 to 162.70): BF076858.D (-837) (-)

Ion 164.00 (163.70 to 164.70): BF076858.D (-837) (-)

Ion 98.00 (97.70 to 98.70): BF076858.D (-837) (-)

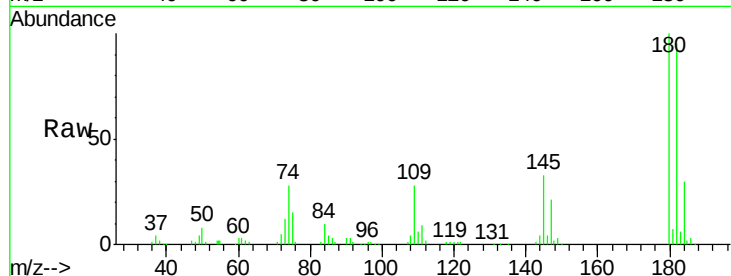




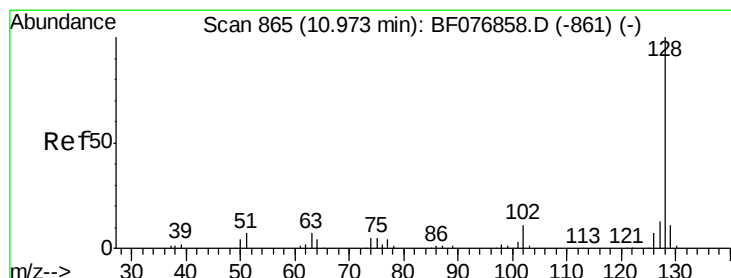
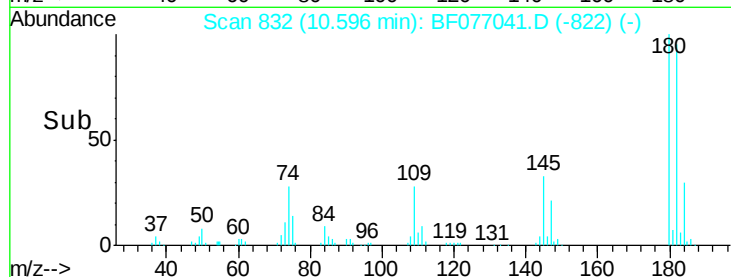
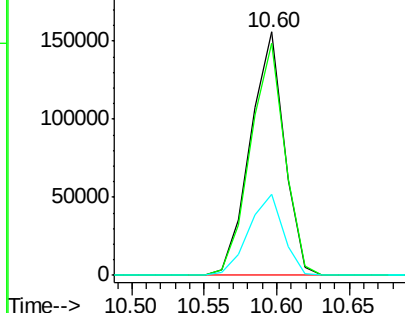
#30  
 1,2,4-Trichlorobenzene  
 Concen: 182.98 ng  
 RT: 10.60 min Scan# 832  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G7058-13

Tgt Ion:180 Resp: 253602  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 73.6 110.4  
 145 33.3 26.6 39.8

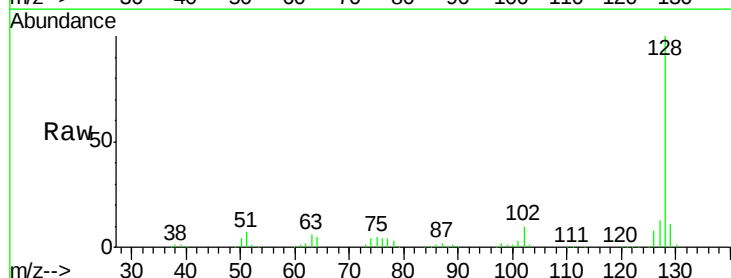


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

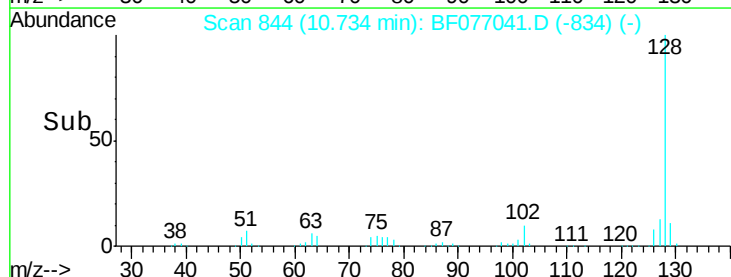
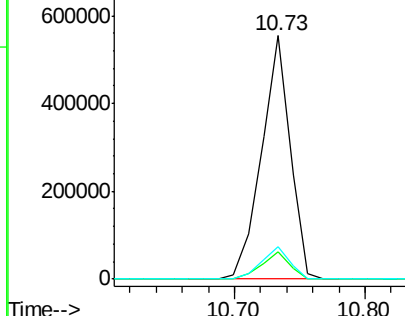


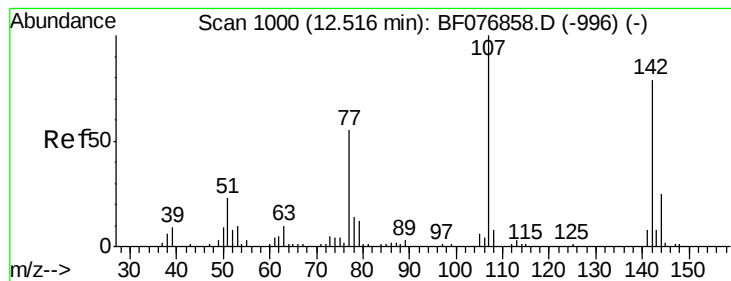
#31  
 Naphthalene  
 Concen: 175.78 ng  
 RT: 10.73 min Scan# 844  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion:128 Resp: 852113  
 Ion Ratio Lower Upper  
 128 100  
 129 11.1 9.0 13.6  
 127 13.3 10.2 15.2



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





#36

4-Chloro-3-methylphenol

Concen: 61.44 ng

RT: 12.27 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampled :

G7058-13

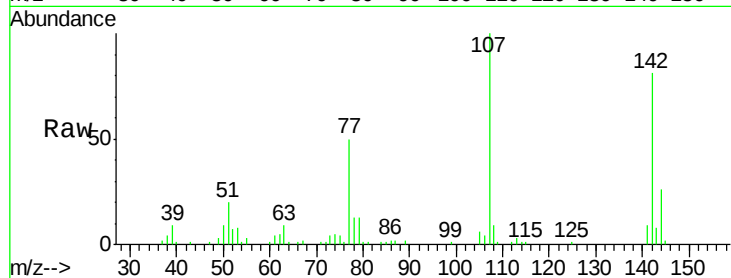
Tgt Ion:107 Resp: 87787

Ion Ratio Lower Upper

107 100

144 26.2 20.0 30.0

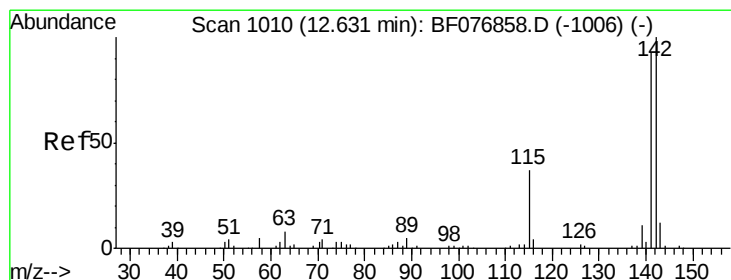
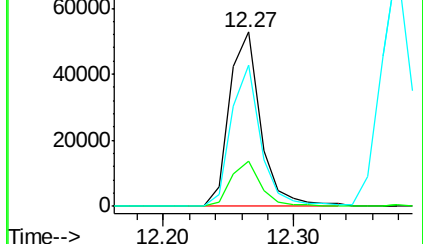
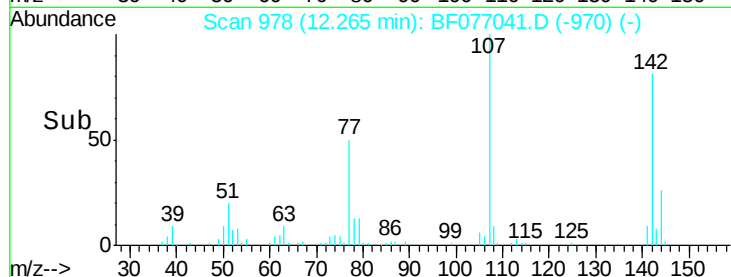
142 80.8 63.5 95.3



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 35.26 ng

RT: 12.38 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

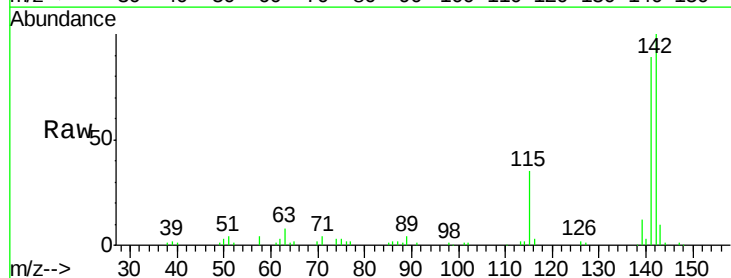
Tgt Ion:142 Resp: 116734

Ion Ratio Lower Upper

142 100

141 89.0 74.5 111.7

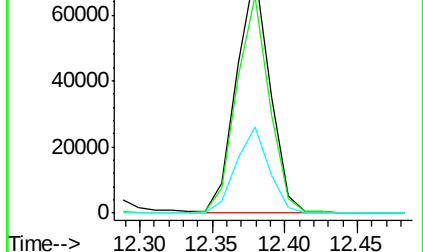
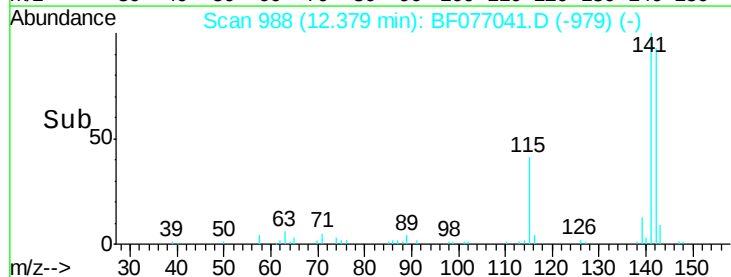
115 35.2 29.7 44.5

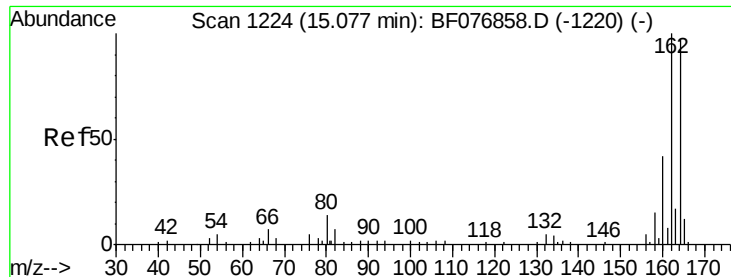


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

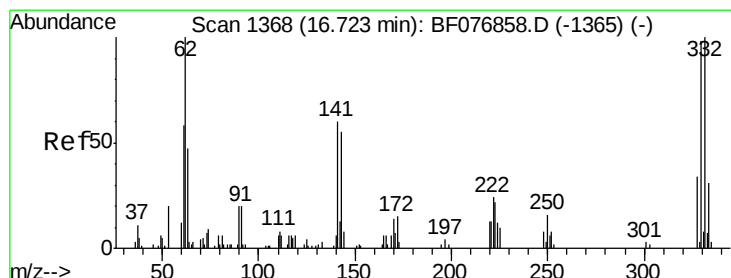
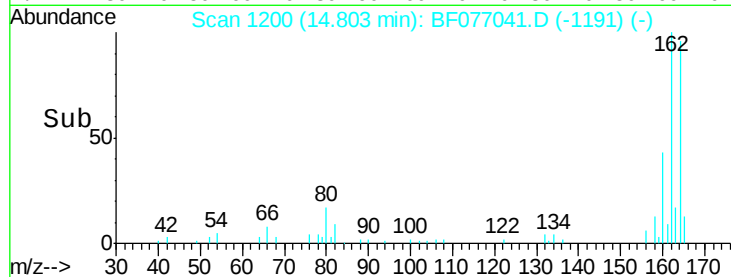
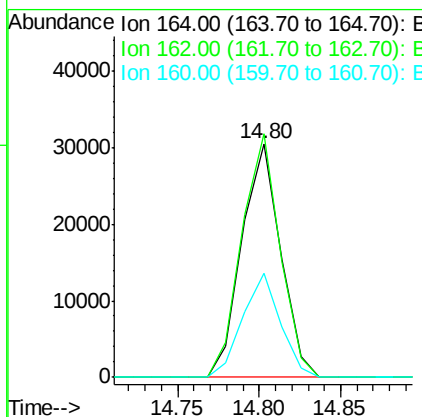
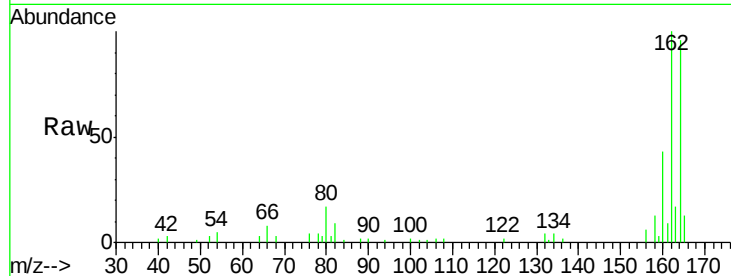




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 1200  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

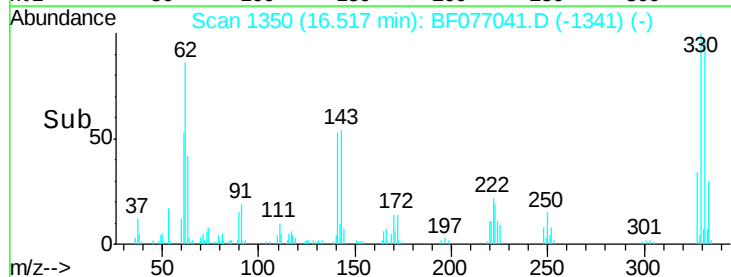
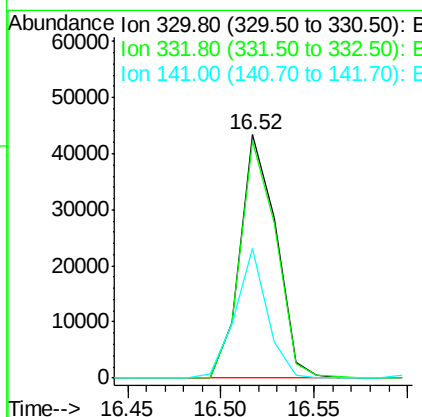
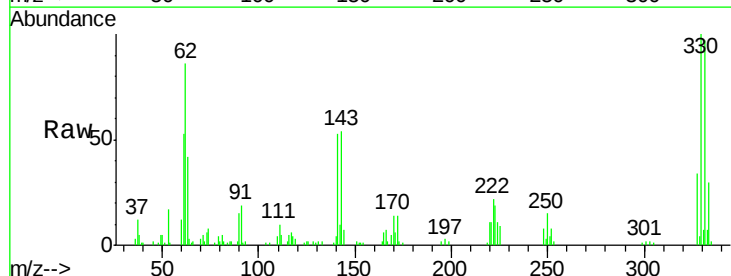
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G7058-13

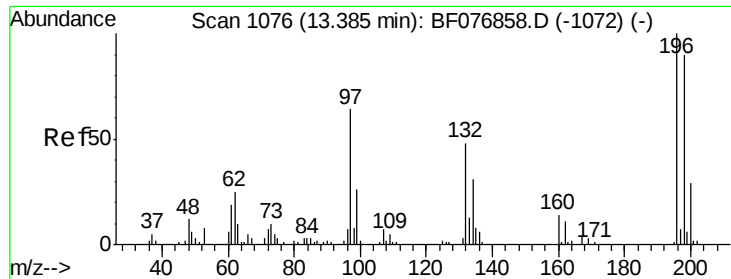
Tgt Ion:164 Resp: 50392  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 82.4 123.6  
 160 44.7 34.8 52.2



#41  
 2,4,6-Tribromophenol  
 Concen: 143.08 ng  
 RT: 16.52 min Scan# 1350  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion:330 Resp: 58527  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 77.8 116.6  
 141 47.6 38.5 57.7

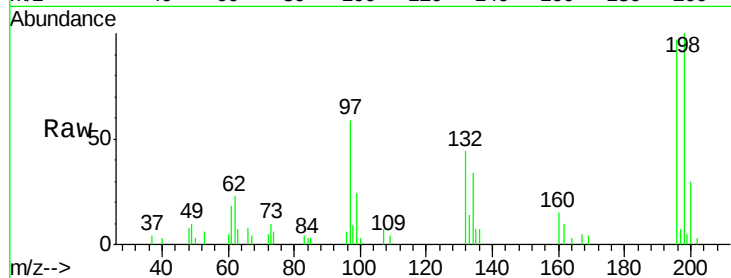




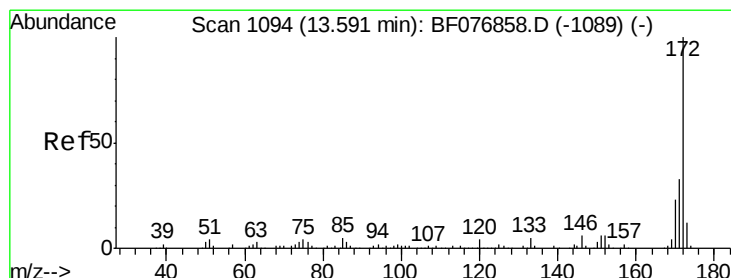
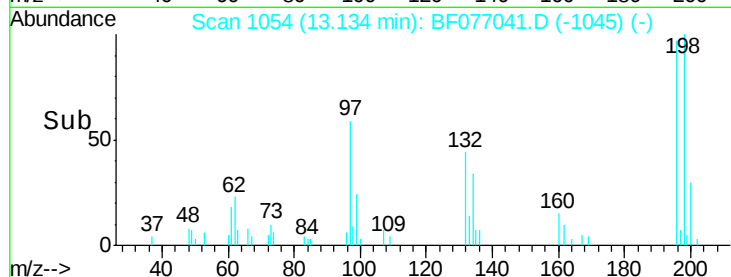
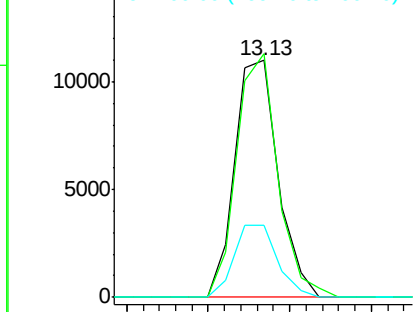
#42  
 2,4,6-Trichlorophenol  
 Concen: 22.21 ng  
 RT: 13.13 min Scan# 1054  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Instrument :  
 BNA\_F  
 ClientSampled :  
 G7058-13

Tgt Ion:196 Resp: 20163  
 Ion Ratio Lower Upper  
 196 100  
 198 102.8 72.0 108.0  
 200 30.5 23.4 35.2

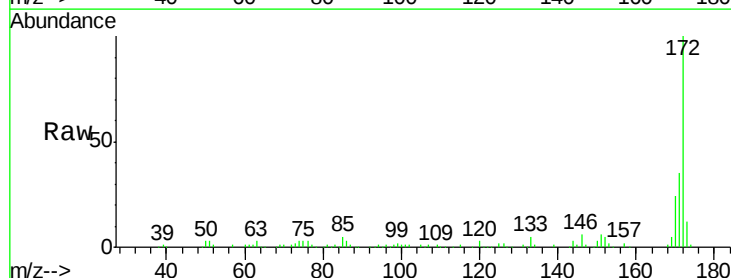


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

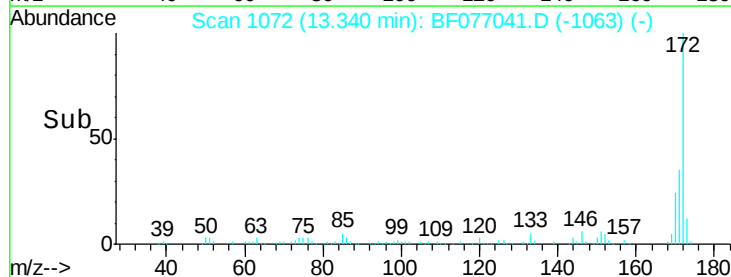
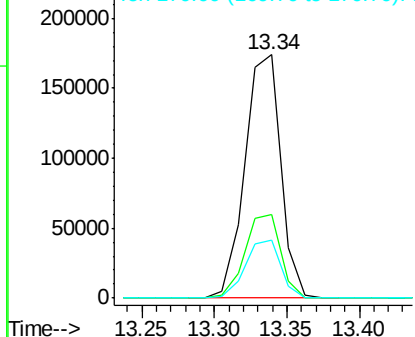


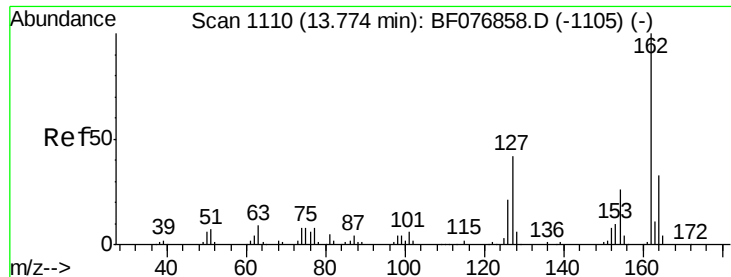
#44  
 2-Fluorobiphenyl  
 Concen: 90.08 ng  
 RT: 13.34 min Scan# 1072  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion:172 Resp: 298274  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 26.6 40.0  
 170 24.0 18.0 27.0



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

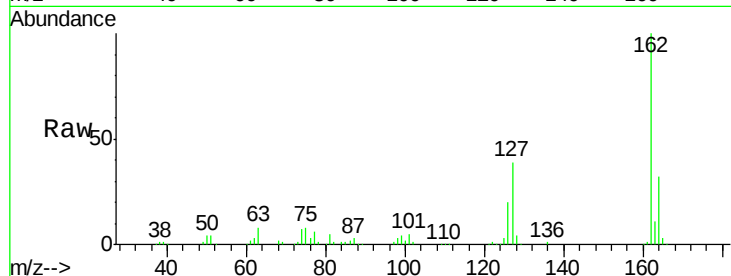




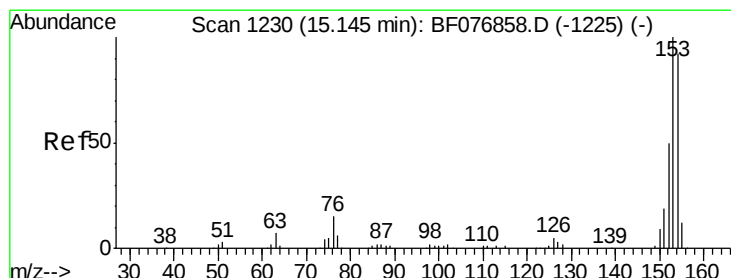
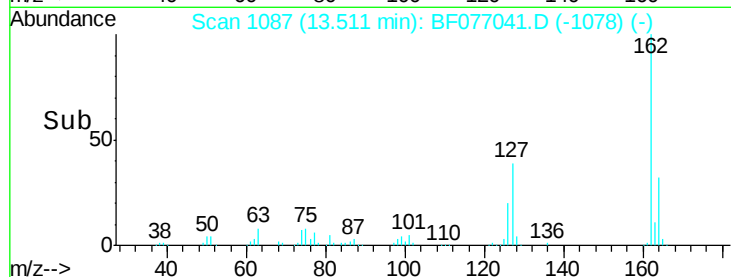
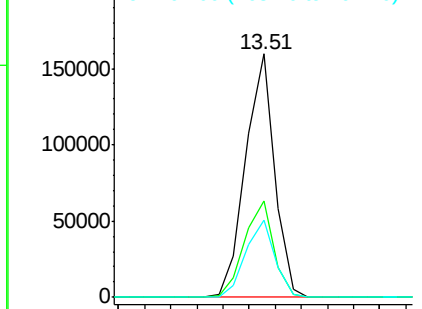
#46  
2-Chloronaphthalene  
Concen: 80.61 ng  
RT: 13.51 min Scan# 1087  
Delta R.T. 0.00 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Instrument :  
BNA\_F  
ClientSampleId :  
G7058-13

Tgt Ion:162 Resp: 247799  
Ion Ratio Lower Upper  
162 100  
127 39.4 33.8 50.6  
164 31.6 26.8 40.2

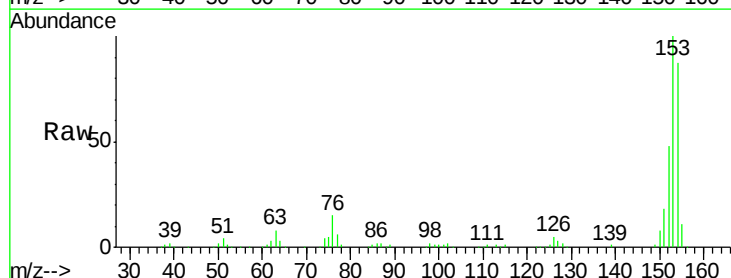


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

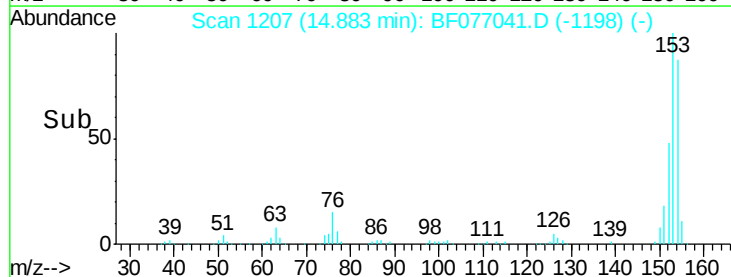
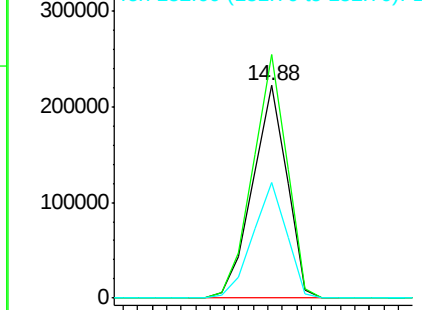


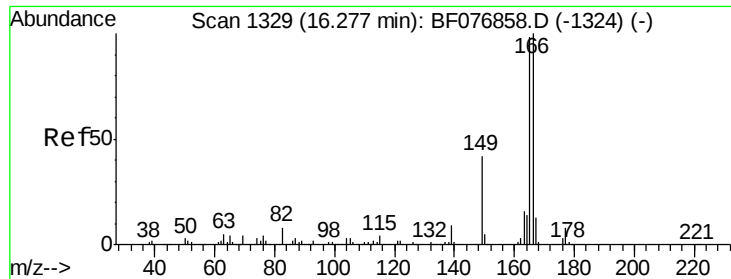
#51  
Acenaphthene  
Concen: 124.23 ng  
RT: 14.88 min Scan# 1207  
Delta R.T. 0.00 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Tgt Ion:154 Resp: 365485  
Ion Ratio Lower Upper  
154 100  
153 114.4 87.0 130.6  
152 54.4 43.5 65.3



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

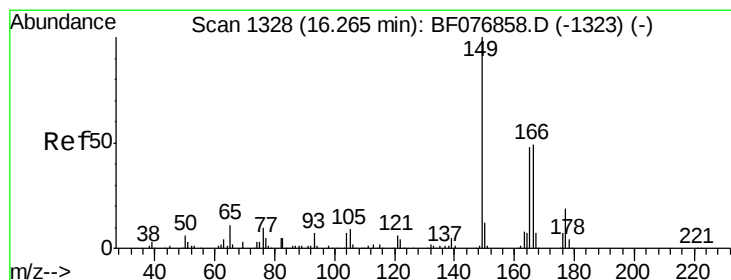
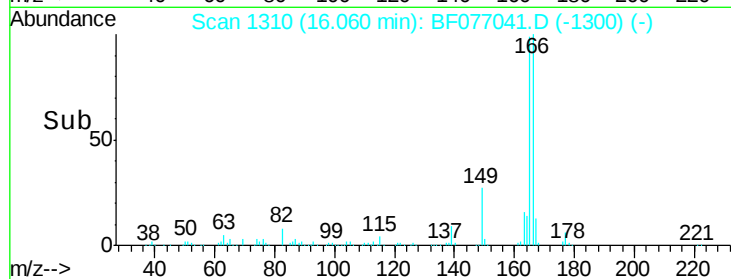
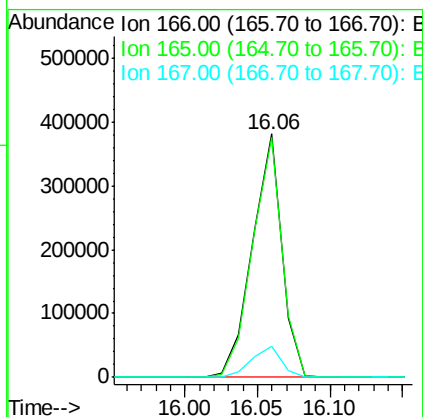
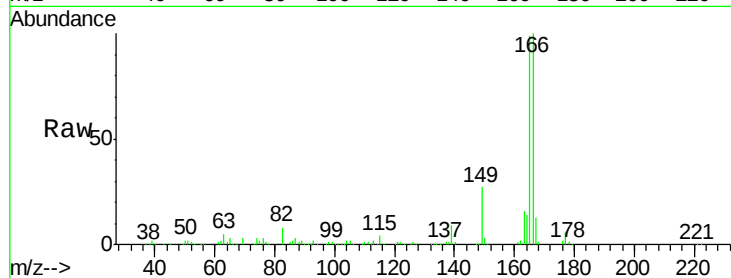




#57  
 Fluorene  
 Concen: 148.42 ng  
 RT: 16.06 min Scan# 1310  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

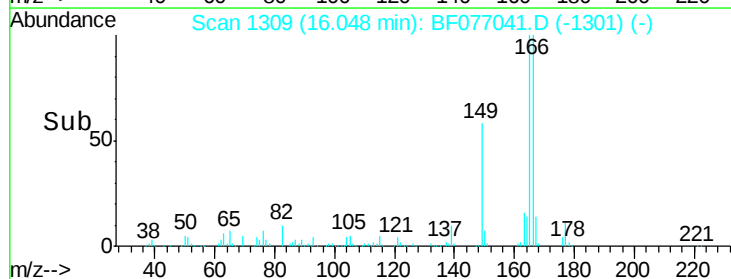
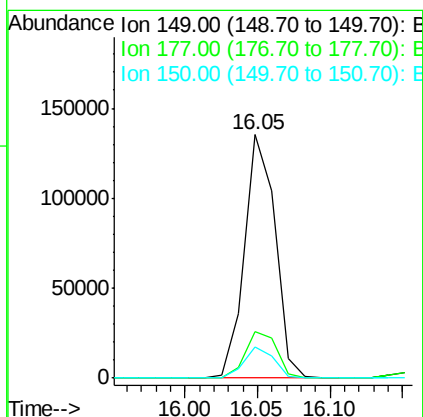
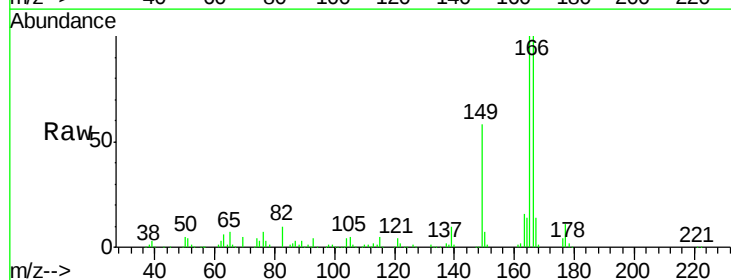
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G7058-13

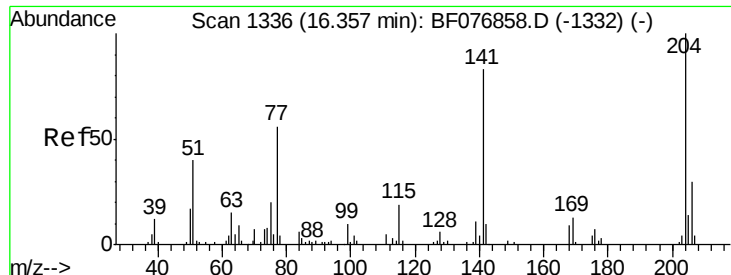
Tgt Ion:166 Resp: 538901  
 Ion Ratio Lower Upper  
 166 100  
 165 98.7 78.5 117.7  
 167 13.0 10.4 15.6



#59  
 Diethylphthalate  
 Concen: 54.93 ng  
 RT: 16.05 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion:149 Resp: 198391  
 Ion Ratio Lower Upper  
 149 100  
 177 19.2 15.0 22.6  
 150 12.8 9.4 14.0

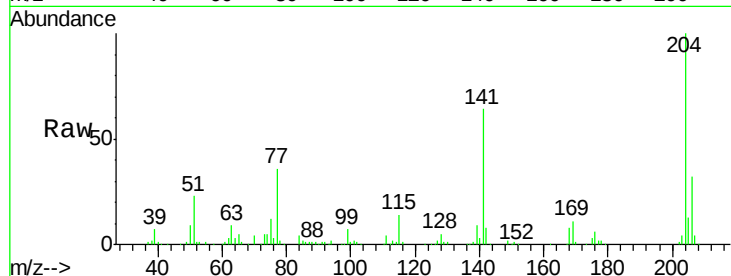




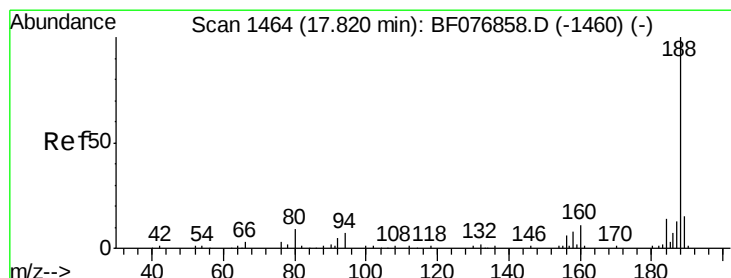
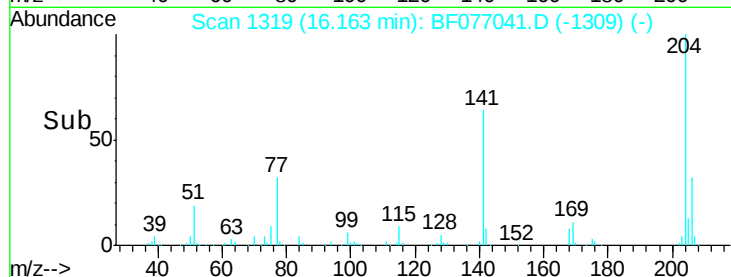
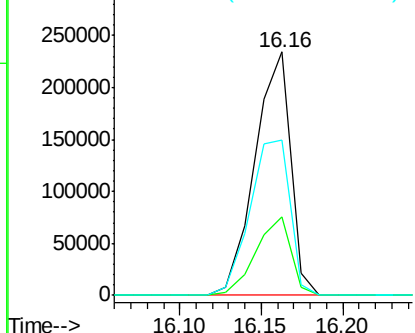
#60  
4-Chlorophenyl-phenylether  
Concen: 239.90 ng  
RT: 16.16 min Scan# 1319  
Delta R.T. 0.01 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Instrument :  
BNA\_F  
ClientSampleId :  
G7058-13

Tgt Ion:204 Resp: 356397  
Ion Ratio Lower Upper  
204 100  
206 32.4 24.2 36.2  
141 63.7 66.7 100.1#

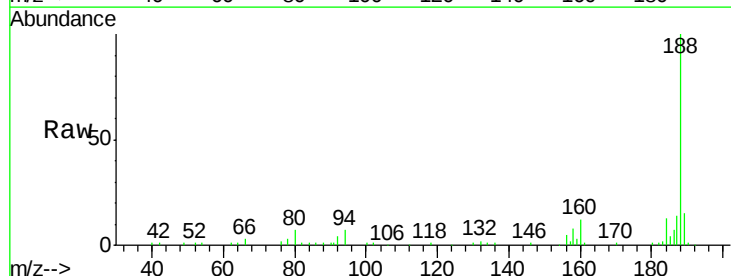


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

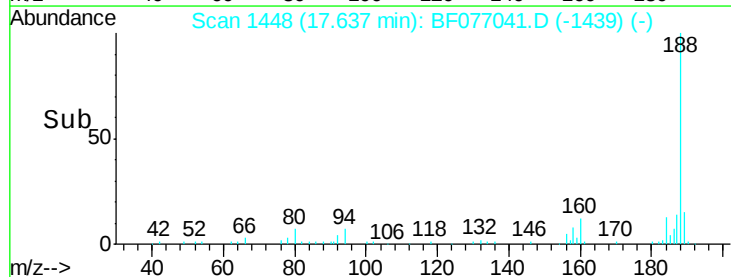
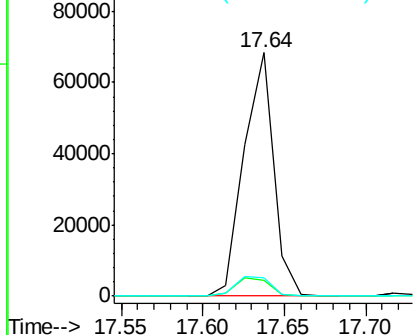


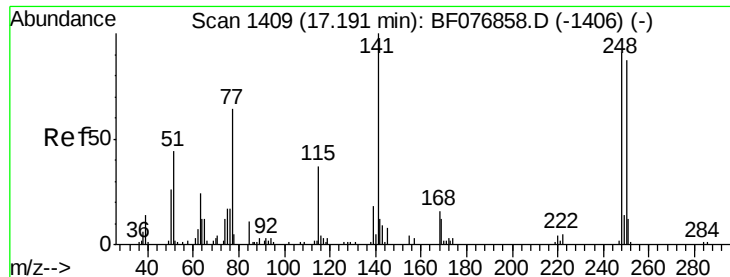
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.64 min Scan# 1448  
Delta R.T. 0.00 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Tgt Ion:188 Resp: 86255  
Ion Ratio Lower Upper  
188 100  
94 6.6 6.0 9.0  
80 7.3 6.9 10.3



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

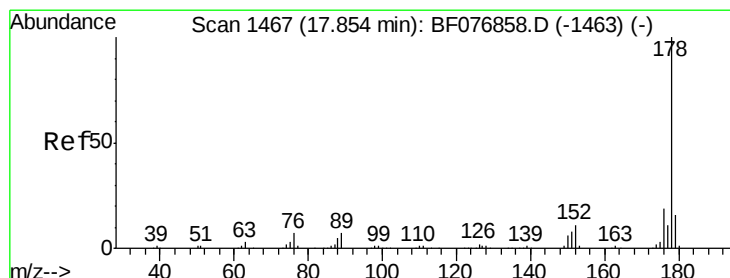
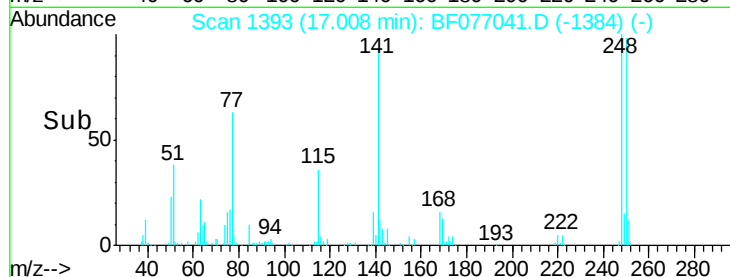
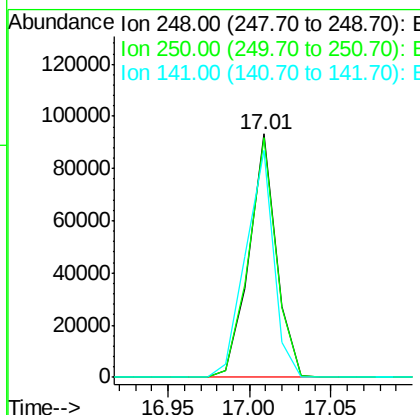
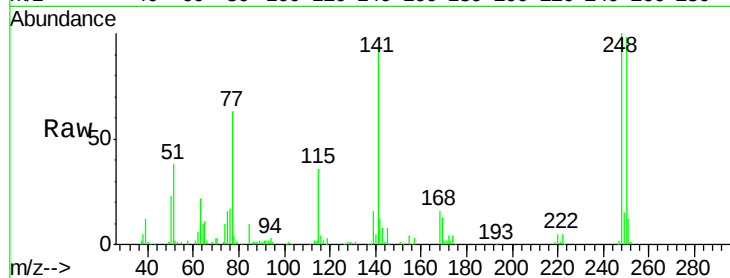




#66  
 4-Bromophenyl-phenylether  
 Concen: 124.05 ng  
 RT: 17.01 min Scan# 1393  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

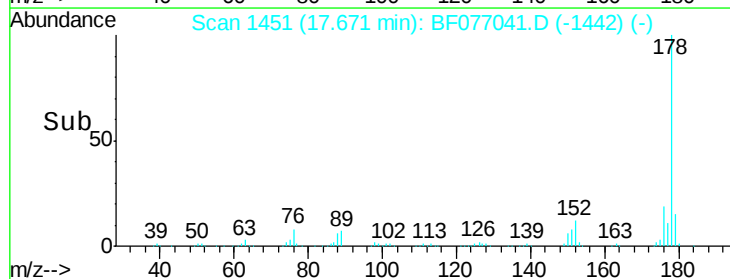
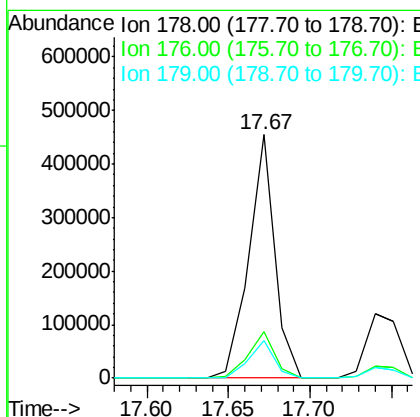
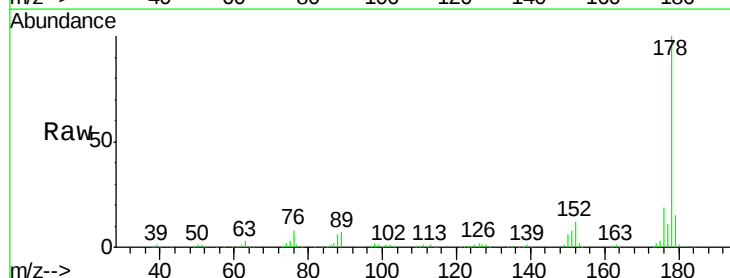
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G7058-13

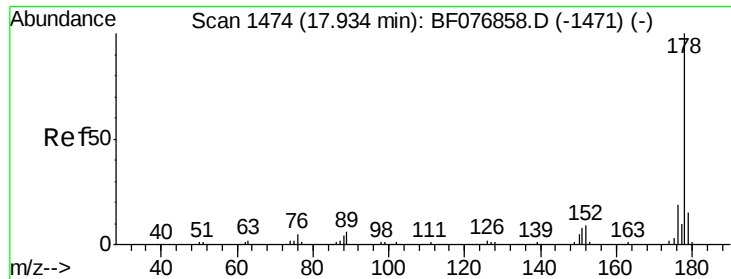
Tgt Ion: 248 Resp: 108405  
 Ion Ratio Lower Upper  
 248 100  
 250 98.4 77.1 115.7  
 141 93.2 88.2 132.4



#70  
 Phenanthrene  
 Concen: 93.44 ng  
 RT: 17.67 min Scan# 1451  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion: 178 Resp: 502625  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.1 22.7  
 179 15.4 12.7 19.1





#71

Anthracene

Concen: 32.48 ng

RT: 17.74 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampleId :

G7058-13

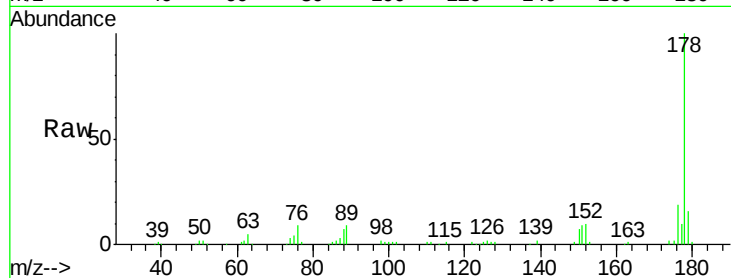
Tgt Ion:178 Resp: 170379

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

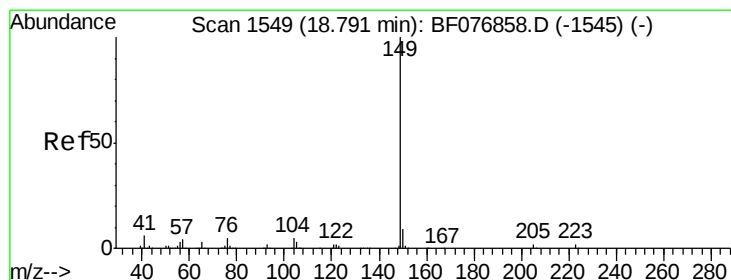
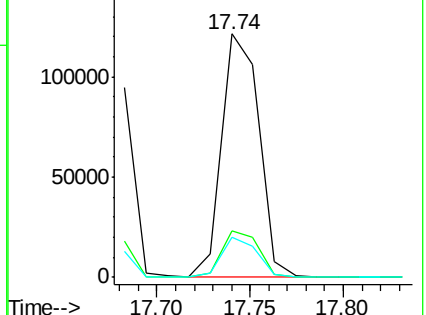
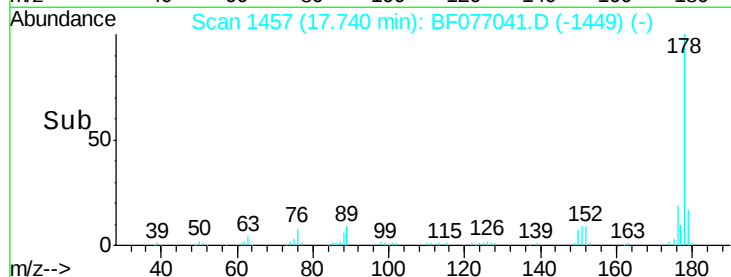
179 16.4 11.9 17.9



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



#73

Di-n-butylphthalate

Concen: 89.05 ng

RT: 18.64 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

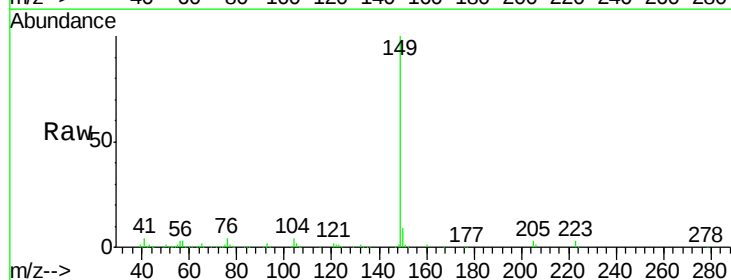
Tgt Ion:149 Resp: 524431

Ion Ratio Lower Upper

149 100

150 8.8 6.9 10.3

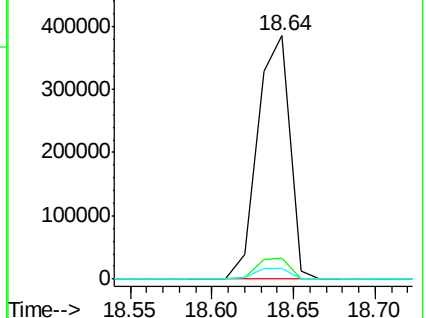
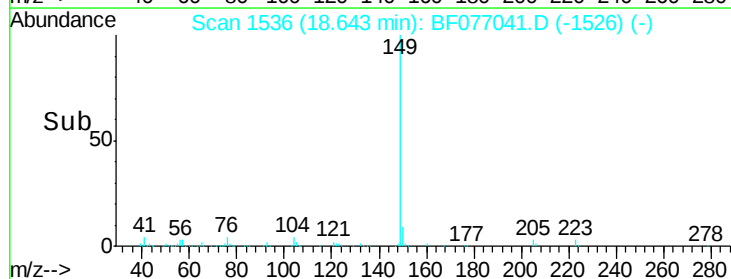
104 4.3 3.7 5.5

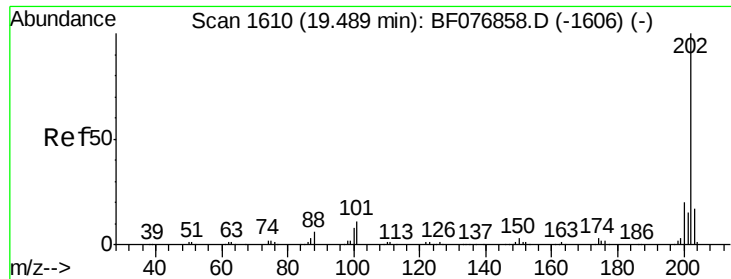


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

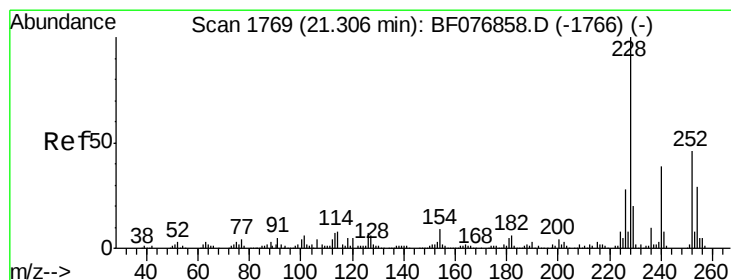
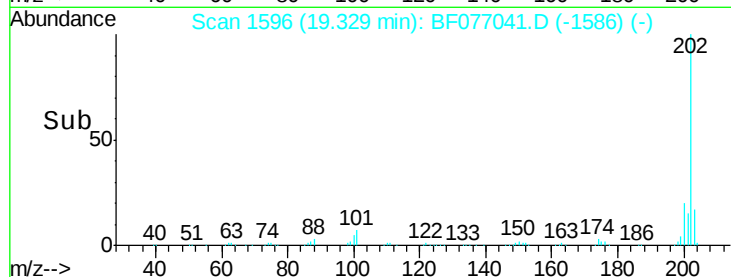
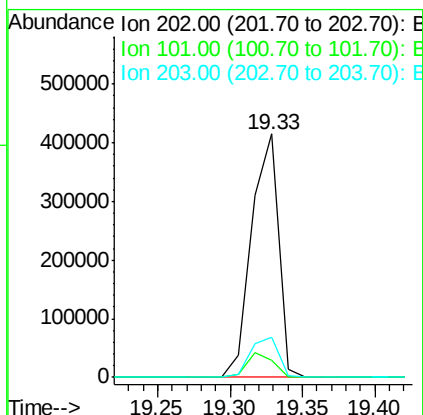
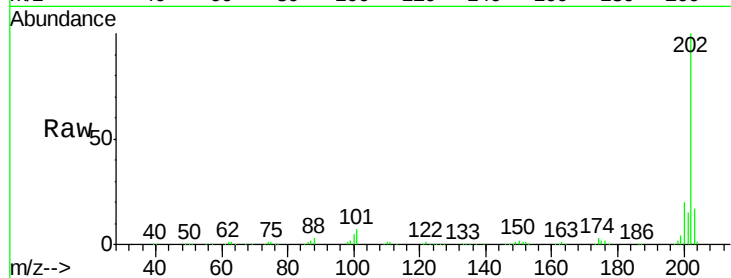




#74  
 Fluoranthene  
 Concen: 97.18 ng  
 RT: 19.33 min Scan# 1596  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

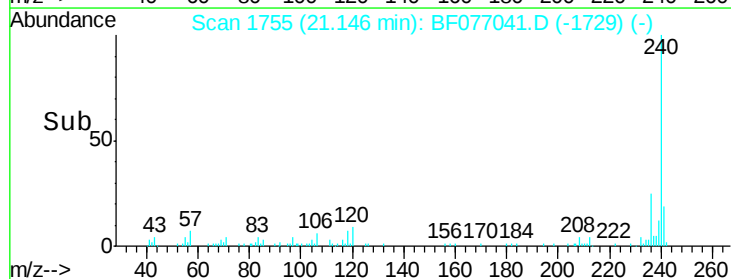
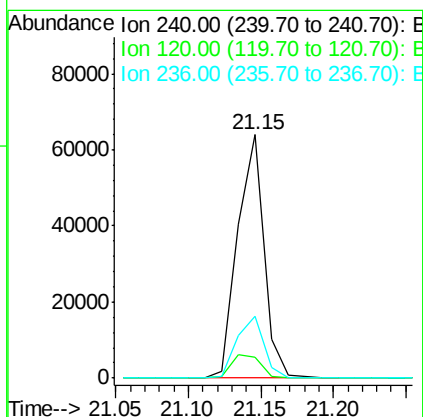
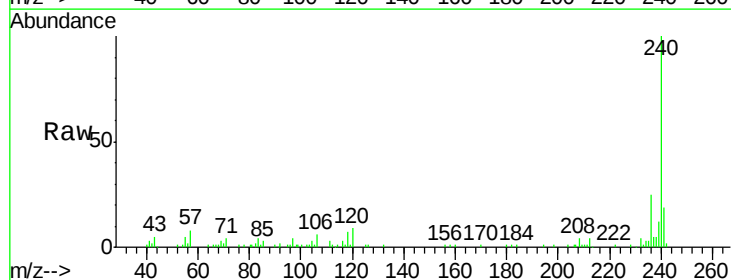
Instrument :  
 BNA\_F  
 ClientSampled :  
 G7058-13

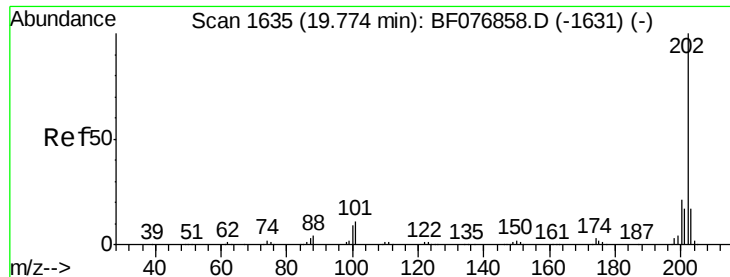
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.9   | 0.0   | 30.7  |
| 203     | 16.7  | 0.0   | 36.9  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.15 min Scan# 1755  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.6   | 10.4  | 15.6# |
| 236     | 25.2  | 20.2  | 30.2  |

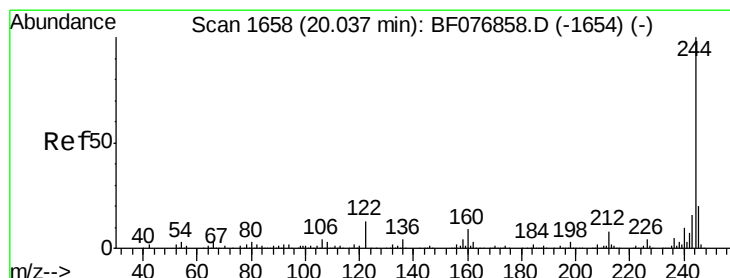
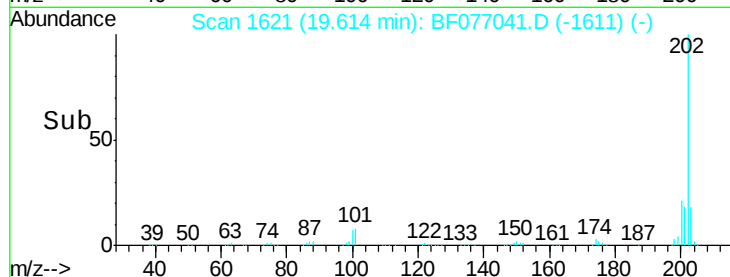
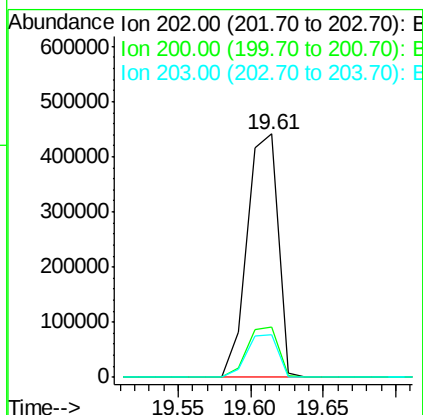
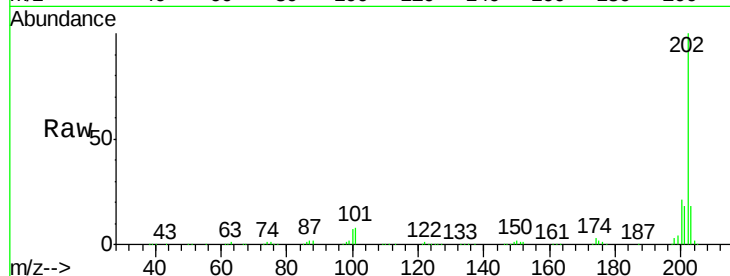




#77  
 Pyrene  
 Concen: 117.72 ng  
 RT: 19.61 min Scan# 1621  
 Delta R.T. 0.01 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

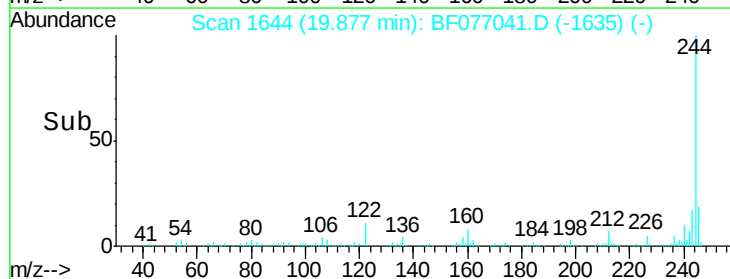
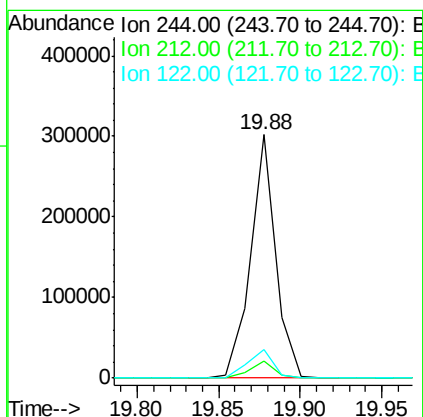
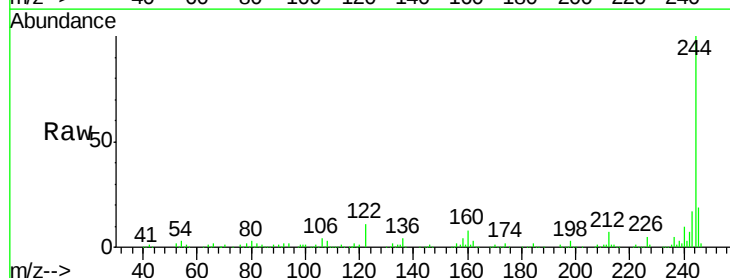
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G7058-13

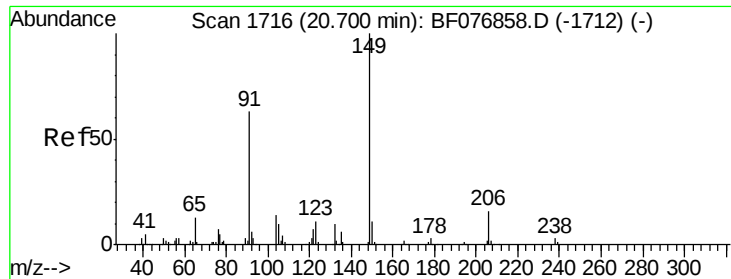
Tgt Ion: 202 Resp: 652248  
 Ion Ratio Lower Upper  
 202 100  
 200 20.9 16.7 25.1  
 203 17.6 14.0 21.0



#78  
 Terphenyl-d14  
 Concen: 91.77 ng  
 RT: 19.88 min Scan# 1644  
 Delta R.T. 0.00 min  
 Lab File: BF077041.D  
 Acq: 23 Jan 2015 17:12

Tgt Ion: 244 Resp: 322254  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.3 9.5  
 122 11.5 10.1 15.1

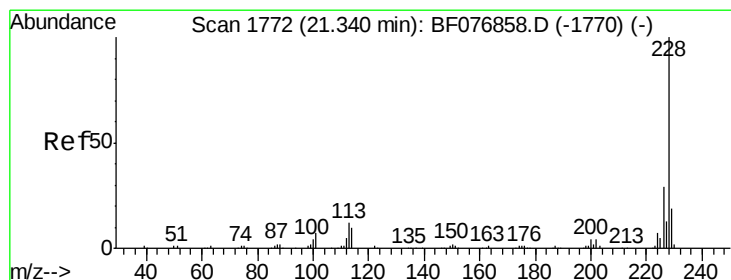
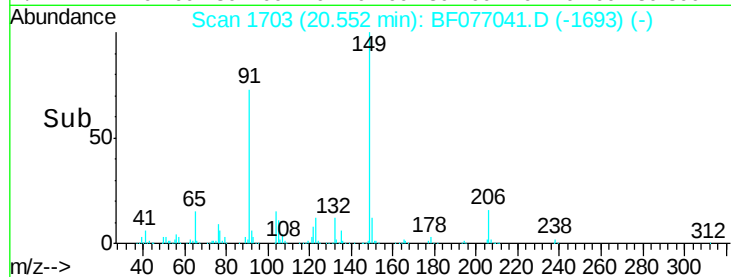
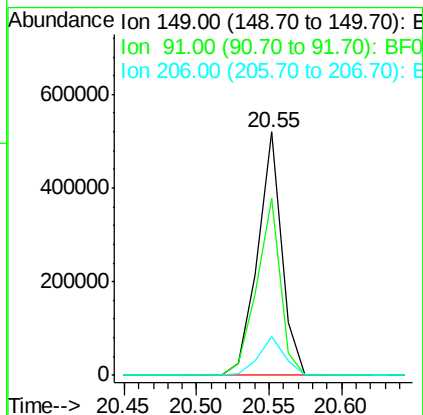
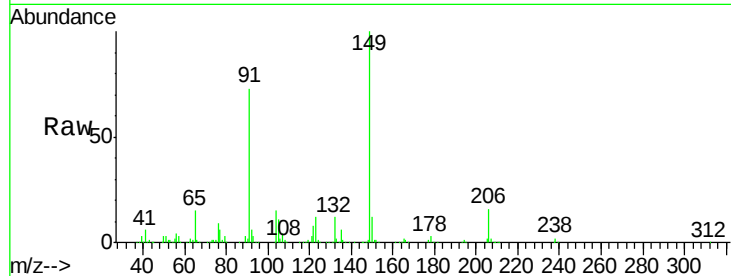




#79  
Butylbenzylphthalate  
Concen: 238.25 ng  
RT: 20.55 min Scan# 1703  
Delta R.T. 0.01 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

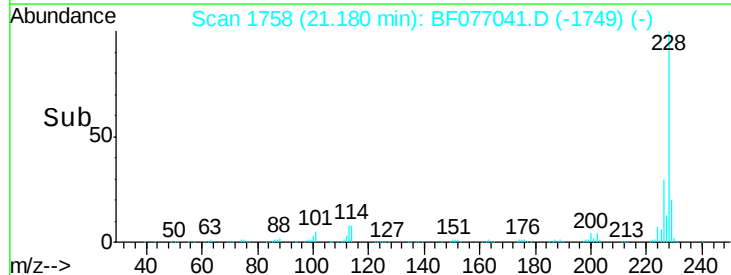
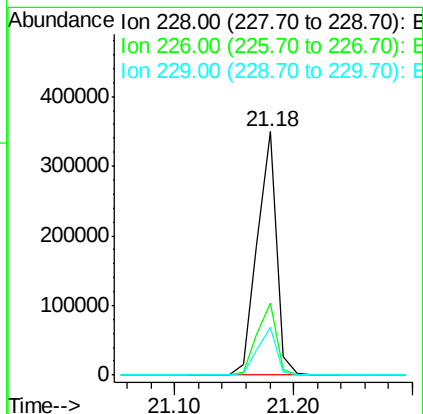
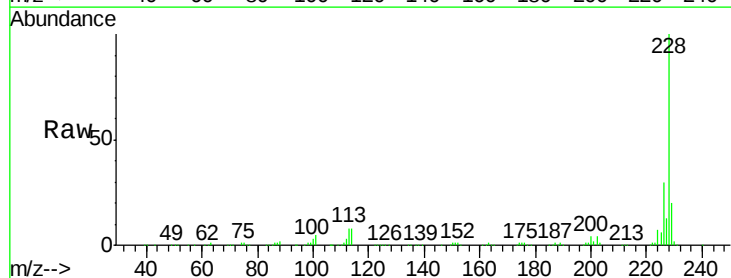
Instrument :  
BNA\_F  
ClientSampleId :  
G7058-13

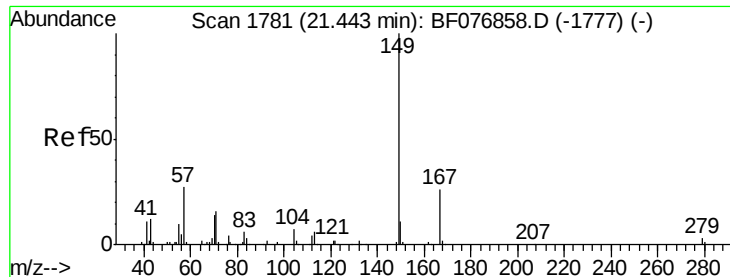
Tgt Ion:149 Resp: 597840  
Ion Ratio Lower Upper  
149 100  
91 72.6 50.6 76.0  
206 15.8 12.8 19.2



#82  
Chrysene  
Concen: 86.33 ng  
RT: 21.18 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Tgt Ion:228 Resp: 399341  
Ion Ratio Lower Upper  
228 100  
226 29.6 23.4 35.0  
229 19.8 15.4 23.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 252.47 ng

RT: 21.29 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampleId :

G7058-13

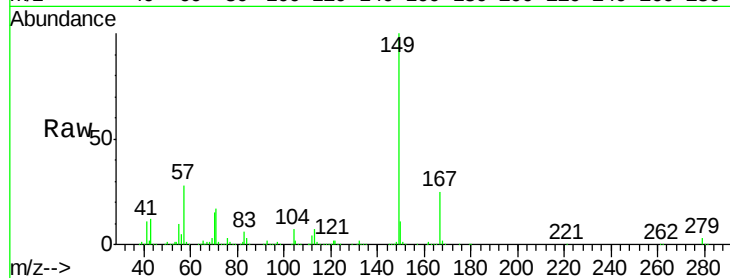
Tgt Ion:149 Resp: 876541

Ion Ratio Lower Upper

149 100

167 25.4 20.6 30.8

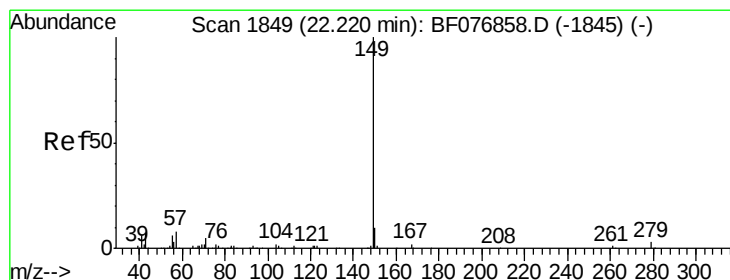
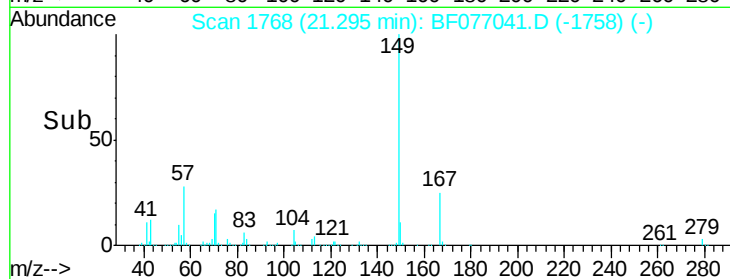
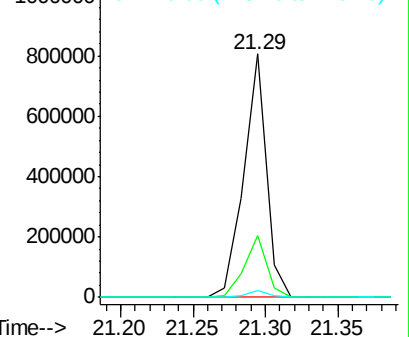
279 2.6 2.2 3.2



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



#84

Di-n-octyl phthalate

Concen: 266.39 ng

RT: 22.06 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF077041.D

Acq: 23 Jan 2015 17:12

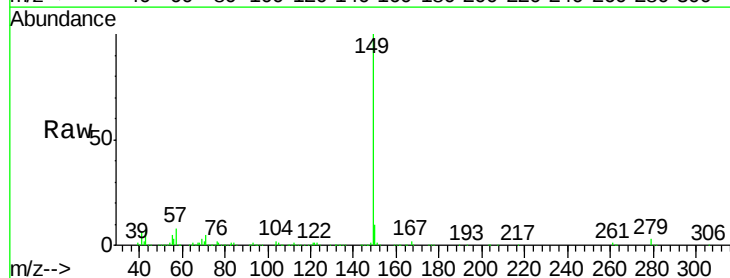
Tgt Ion:149 Resp: 1605166

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

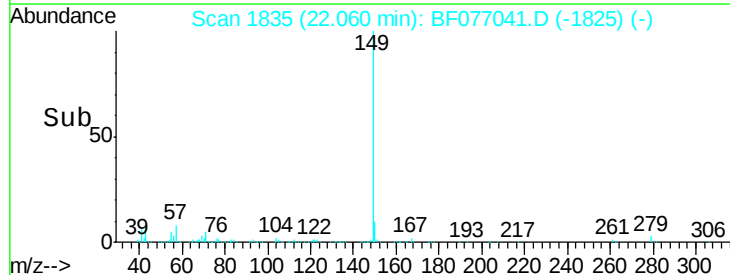
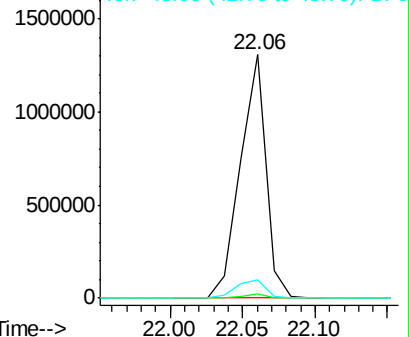
43 8.6 6.6 10.0

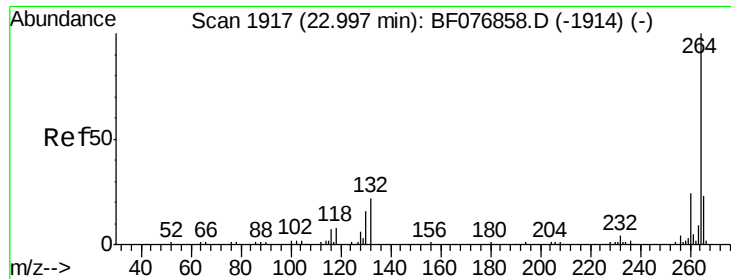


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



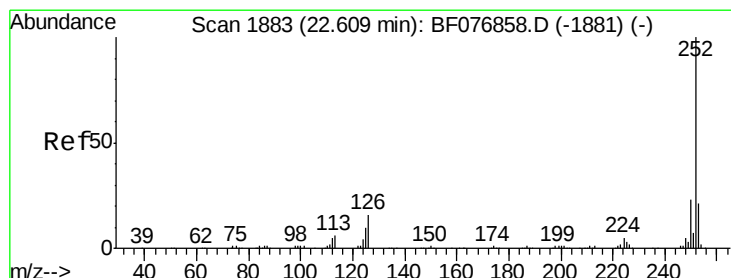
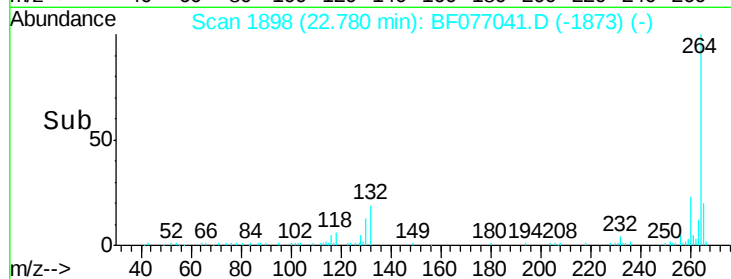
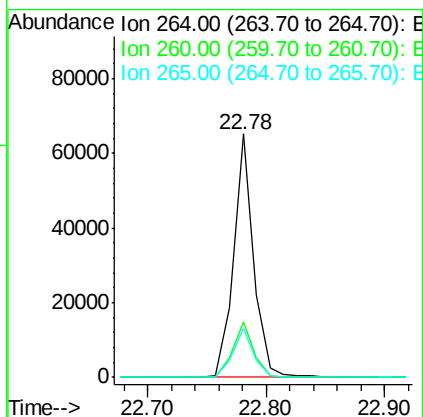
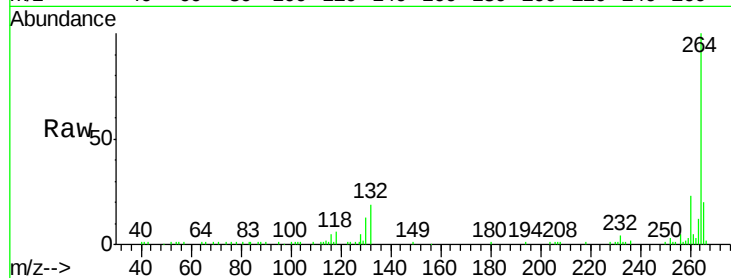


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 22.78 min Scan# 1898  
Delta R.T. -0.01 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Instrument :  
BNA\_F  
ClientSampleId :  
G7058-13

Tgt Ion: 264 Resp: 75619  

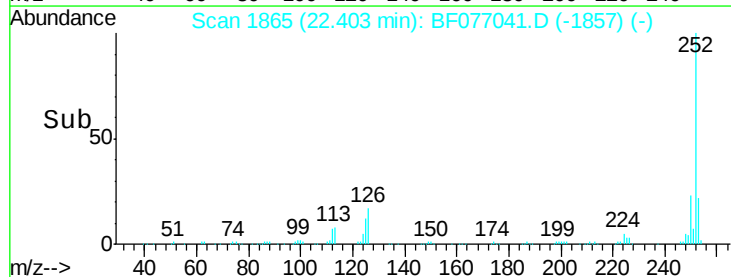
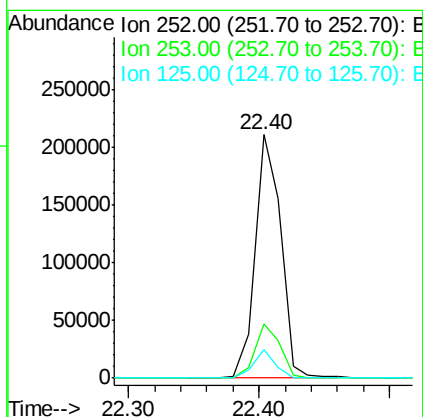
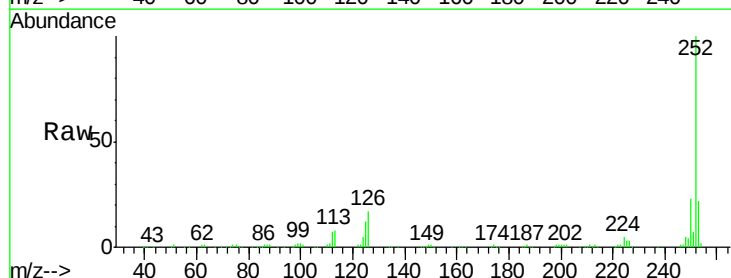
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 19.0  | 28.4  |
| 265 | 20.2  | 18.1  | 27.1  |

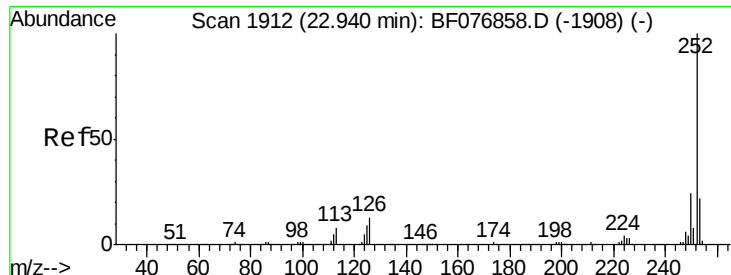


#88  
Benzo(k)fluoranthene  
Concen: 65.10 ng  
RT: 22.40 min Scan# 1865  
Delta R.T. -0.01 min  
Lab File: BF077041.D  
Acq: 23 Jan 2015 17:12

Tgt Ion: 252 Resp: 289665  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 17.2  | 25.8  |
| 125 | 12.0  | 7.1   | 10.7  |





#89

Benzo(a)pyrene

Concen: 74.55 ng

RT: 22.72 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BF077041.D

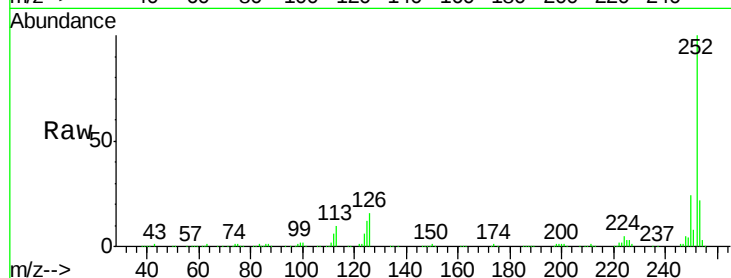
Acq: 23 Jan 2015 17:12

Instrument :

BNA\_F

ClientSampleId :

G7058-13



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 334896 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 21.5  | 17.9  | 26.9   |
| 125      | 12.5  | 7.2   | 10.8   |

