

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051916\  
 Data File : BE091806.D  
 Acq On : 19 May 2016 12:36  
 Operator : UM/SJ  
 Sample : SSTDICCC0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: May 19 13:19:07 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 19 13:16:38 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 21154    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.57 | 136  | 109690   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.41 | 164  | 76646    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.14 | 188  | 207280   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.29 | 240  | 275687   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.73 | 264  | 240901   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.39  | 112 | 2084  | 0.40 | ng | 0.00 |
| 5) Phenol-d6                | 6.96  | 99  | 2801  | 0.41 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.94  | 82  | 2586  | 0.37 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 1031  | 0.43 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.03 | 172 | 8205  | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.74 | 244 | 14464 | 0.34 | ng | 0.00 |

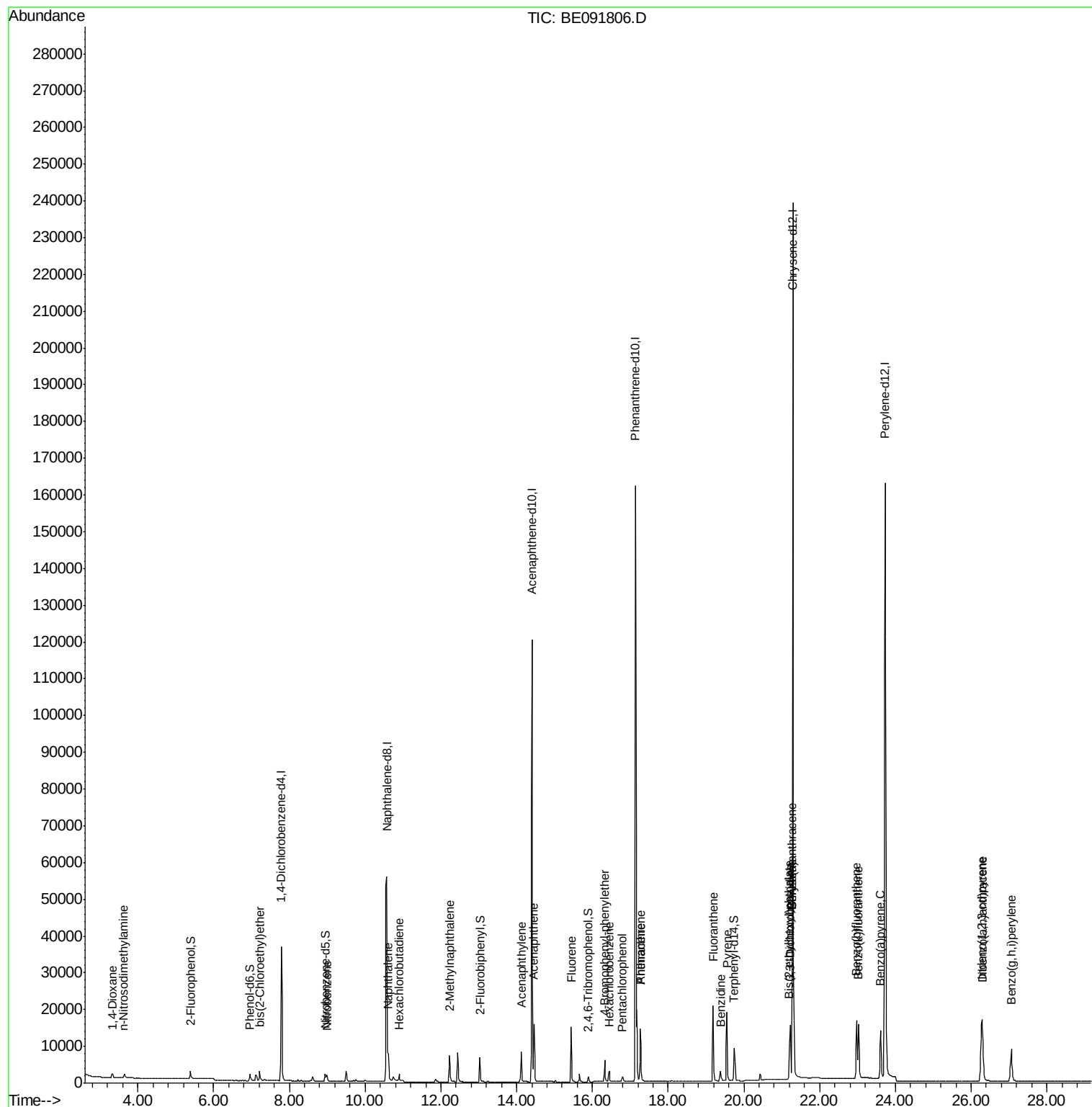
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.33  | 88  | 1169  | 0.37   | ng | 93   |
| 3) n-Nitrosodimethylamine      | 3.63  | 42  | 1241  | 0.32   | ng | # 97 |
| 6) bis(2-Chloroethyl)ether     | 7.21  | 93  | 2290  | 0.38   | ng | # 77 |
| 9) Nitrobenzene                | 8.99  | 77  | 2578  | 0.35   | ng | 95   |
| 10) Naphthalene                | 10.61 | 128 | 9278  | 0.42   | ng | 99   |
| 11) Hexachlorobutadiene        | 10.90 | 225 | 1940  | 0.59   | ng | # 82 |
| 12) 2-Methylnaphthalene        | 12.22 | 142 | 6127  | 0.43   | ng | 99   |
| 16) Acenaphthylene             | 14.12 | 152 | 12952 | 0.44   | ng | # 73 |
| 17) Acenaphthene               | 14.46 | 154 | 7725  | 0.40   | ng | 87   |
| 18) Fluorene                   | 15.45 | 166 | 9978  | 0.42   | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248 | 3027  | 0.41   | ng | 94   |
| 21) Hexachlorobenzene          | 16.45 | 284 | 3184  | 0.43   | ng | 99   |
| 22) Pentachlorophenol          | 16.79 | 266 | 1200  | 0.34   | ng | 92   |
| 23) Phenanthrene               | 17.26 | 178 | 16845 | 0.36   | ng | 99   |
| 24) Anthracene                 | 17.26 | 178 | 17412 | 0.41   | ng | 99   |
| 25) Fluoranthene               | 19.19 | 202 | 22054 | 0.45   | ng | # 96 |
| 27) Benzidine                  | 19.38 | 184 | 5687  | 0.36   | ng | # 80 |
| 28) Pyrene                     | 19.55 | 202 | 22980 | 0.37   | ng | 99   |
| 30) Benzo(a)anthracene         | 21.27 | 228 | 46627 | 0.69   | ng | 93   |
| 31) 3,3'-Dichlorobenzidine     | 21.22 | 252 | 14749 | 0.43   | ng | # 91 |
| 32) Chrysene                   | 21.27 | 228 | 47013 | 0.67   | ng | 97   |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 9421  | 0.46   | ng | # 81 |
| 34) Indeno(1,2,3-cd)pyrene     | 26.27 | 276 | 25573 | 0.41   | ng | 95   |
| 36) Benzo(b)fluoranthene       | 22.97 | 252 | 22731 | 0.40   | ng | 97   |
| 37) Benzo(k)fluoranthene       | 23.02 | 252 | 23352 | 0.41   | ng | 98   |
| 38) Benzo(a)pyrene             | 23.61 | 252 | 21716 | 0.41   | ng | 98   |
| 39) Dibenzo(a,h)anthracene     | 26.29 | 278 | 21017 | 0.42   | ng | # 95 |
| 40) Benzo(g,h,i)perylene       | 27.06 | 276 | 21941 | 0.43   | ng | 95   |

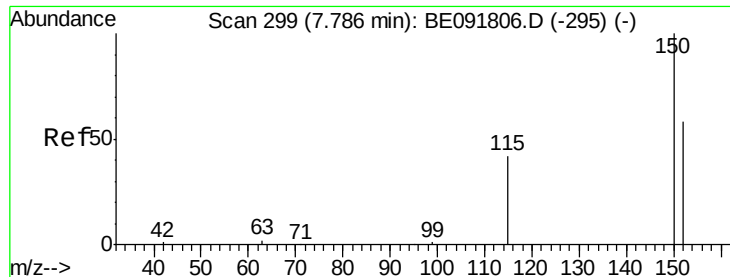
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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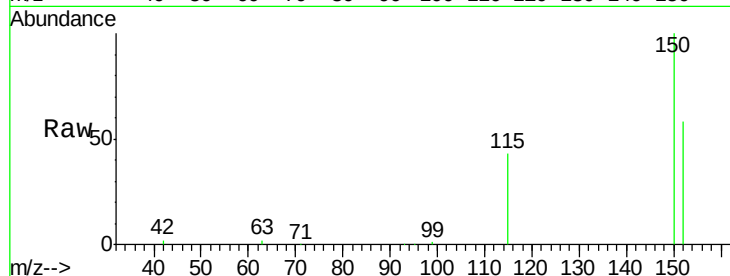


#1

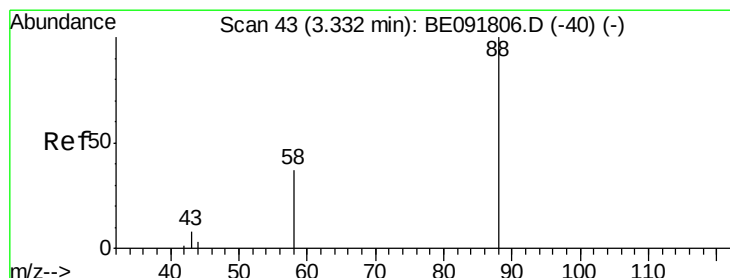
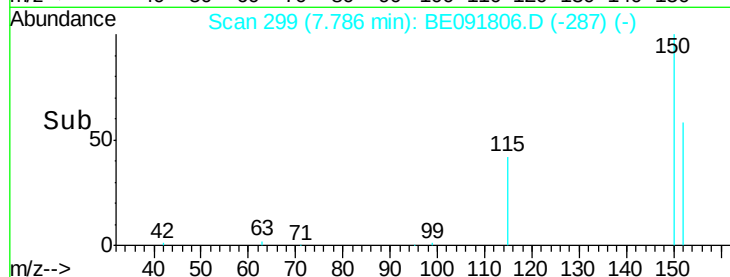
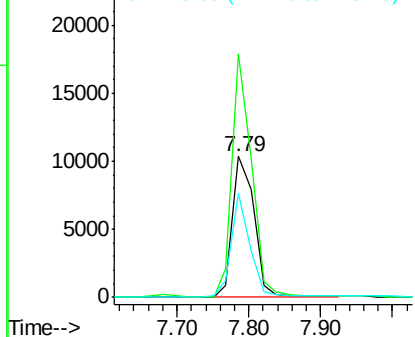
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.79 min Scan# 299  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 21154  
Ion Ratio Lower Upper  
152 100  
150 172.5 122.6 183.8  
115 73.7 52.8 79.2



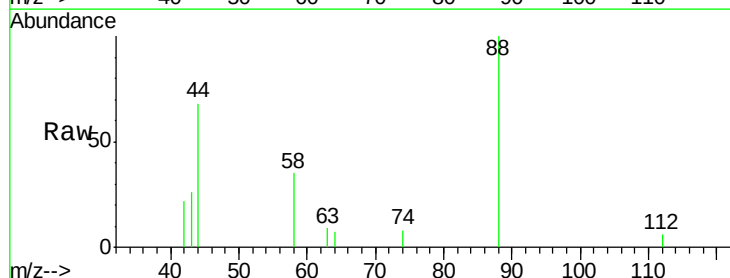
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



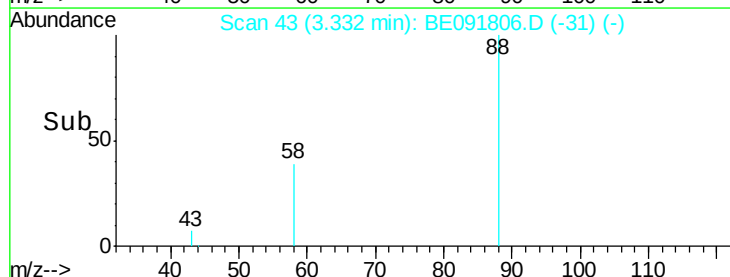
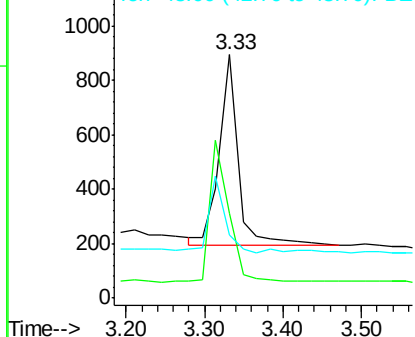
#2

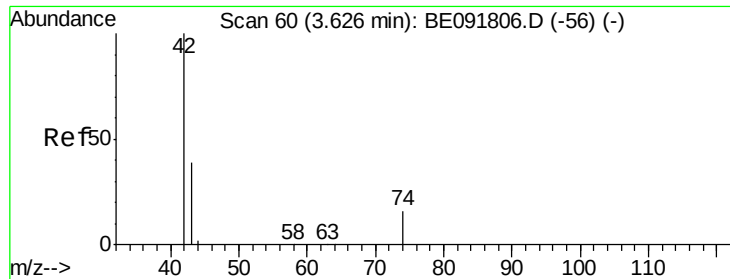
1,4-Dioxane  
Concen: 0.37 ng  
RT: 3.33 min Scan# 43  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Tgt Ion: 88 Resp: 1169  
Ion Ratio Lower Upper  
88 100  
58 74.7 65.8 98.6  
43 34.0 25.3 37.9



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.32 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

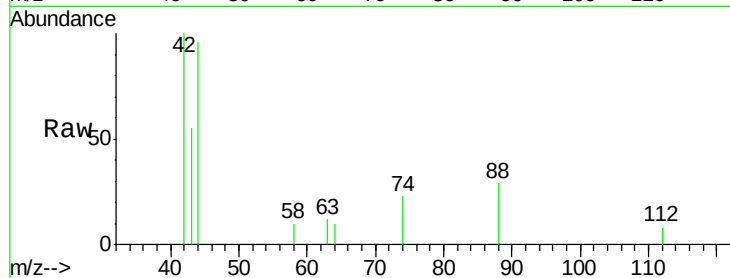
Tot Ion: 42 Resp: 1241

Ion Ratio Lower Upper

42 100

74 108.0 87.9 131.9

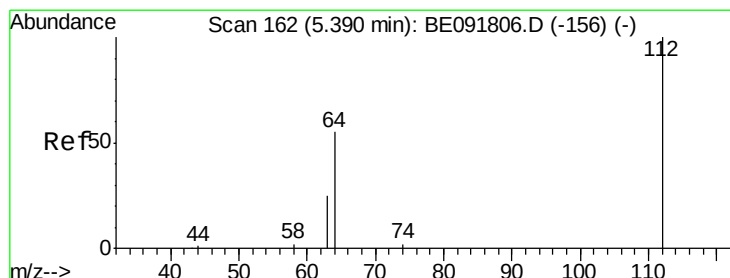
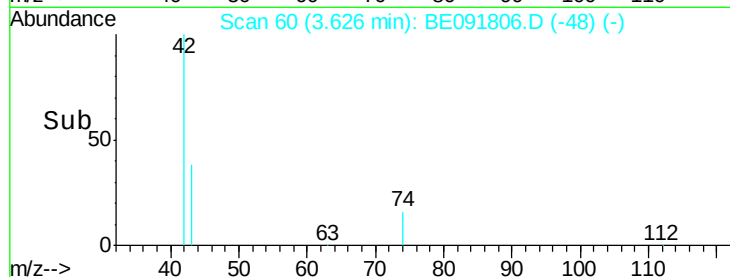
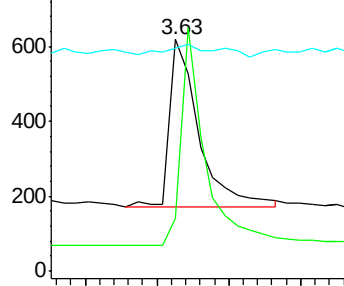
44 13.1 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.40 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

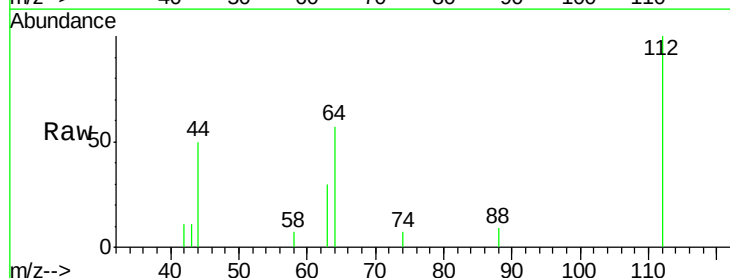
Tgt Ion: 112 Resp: 2084

Ion Ratio Lower Upper

112 100

64 66.1 30.9 46.3#

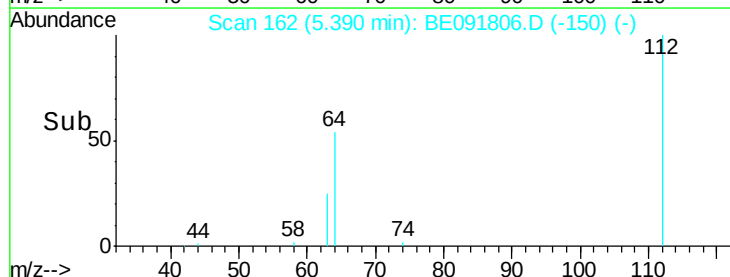
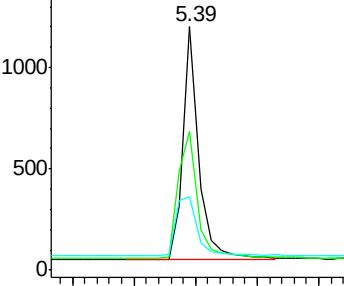
63 35.2 16.7 25.1#

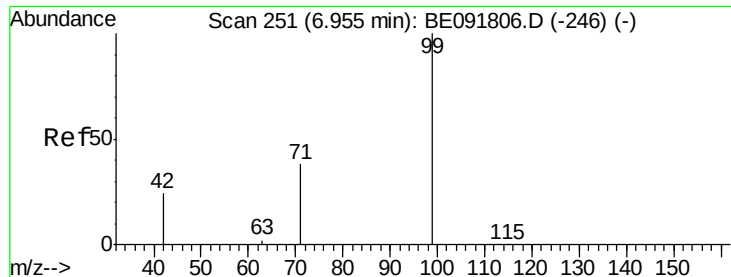


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.41 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

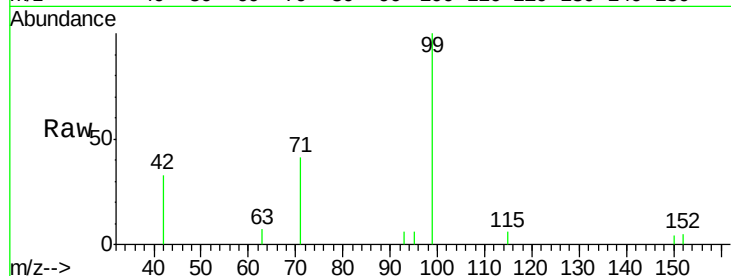
Tot Ion: 99 Resp: 2801

Ion Ratio Lower Upper

99 100

42 25.0 16.2 24.2#

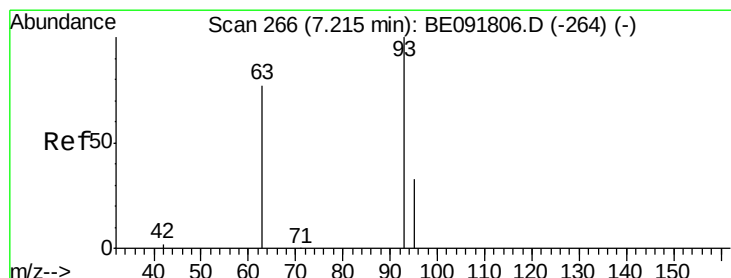
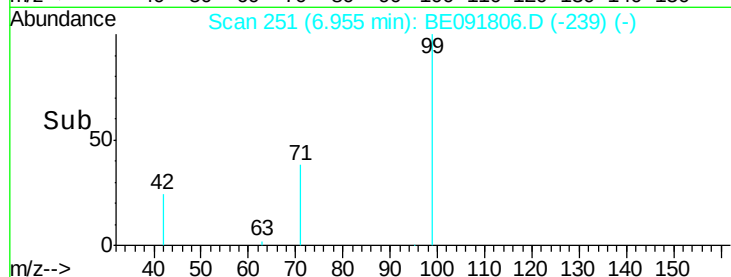
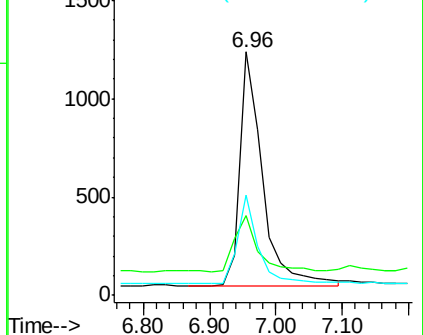
71 35.3 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.38 ng

RT: 7.21 min Scan# 266

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

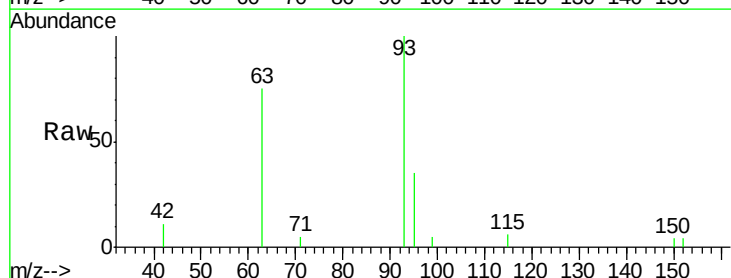
Tgt Ion: 93 Resp: 2290

Ion Ratio Lower Upper

93 100

63 82.6 49.5 74.3#

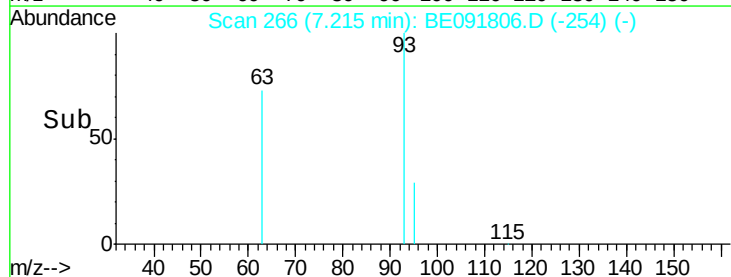
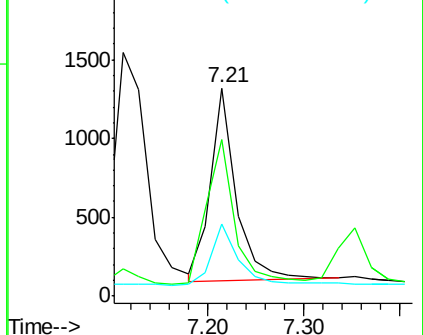
95 34.7 22.2 33.4#

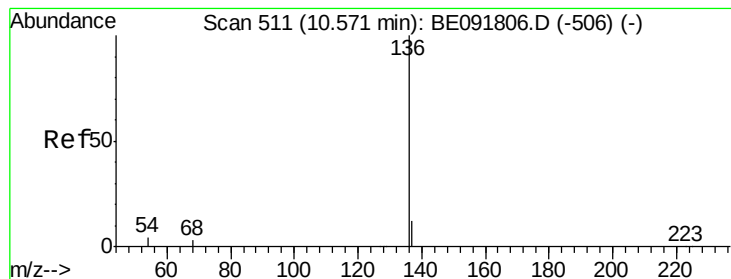


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 109690

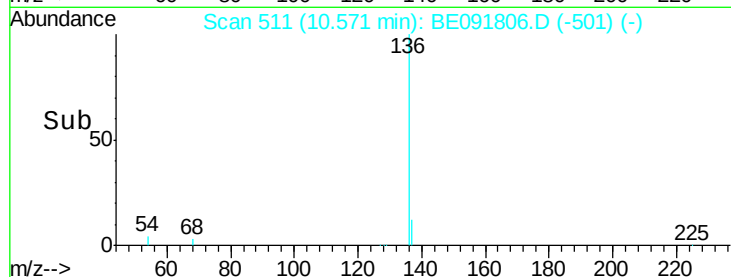
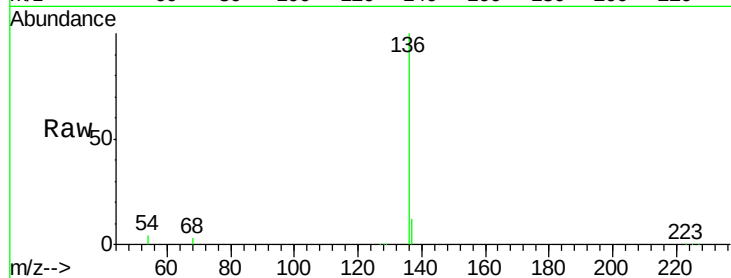
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 4.1 8.2 12.4#

68 3.4 6.2 9.4#

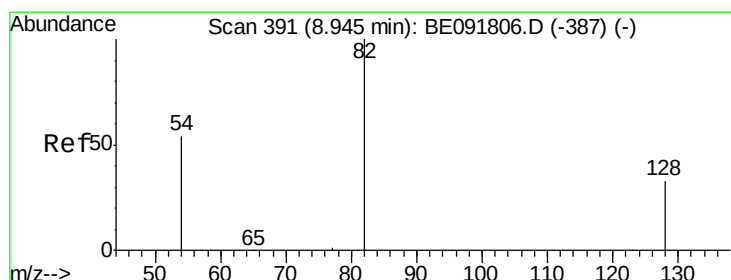
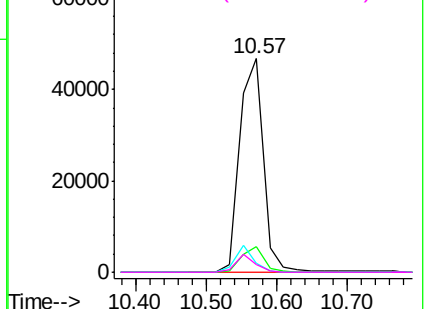


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.37 ng

RT: 8.94 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

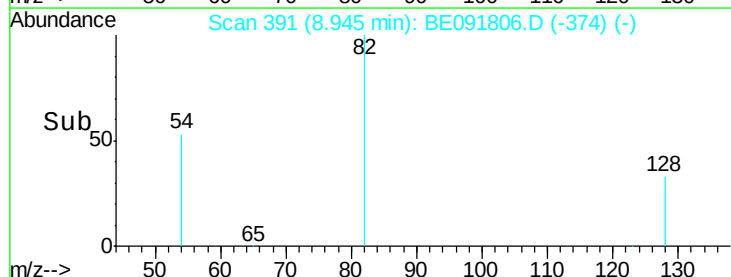
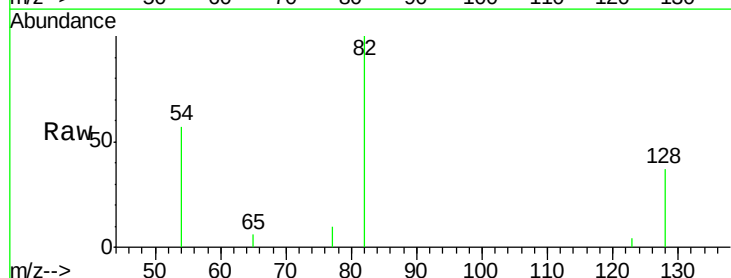
Tgt Ion: 82 Resp: 2586

Ion Ratio Lower Upper

82 100

128 37.3 25.4 38.0

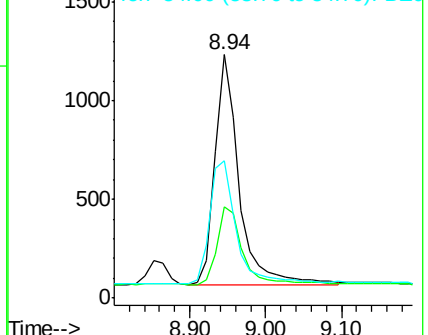
54 56.7 48.4 72.6

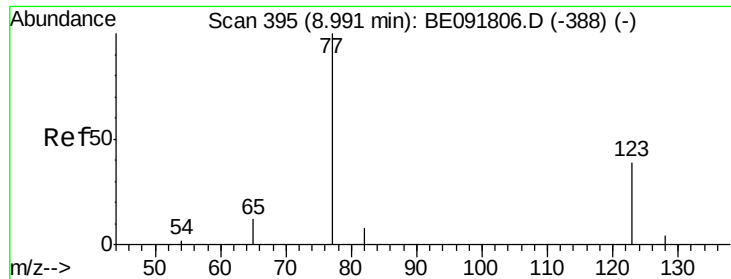


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.35 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

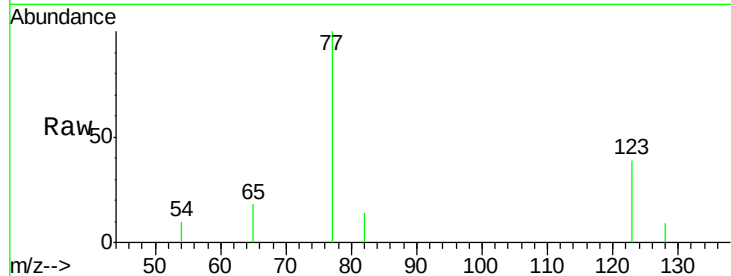
Tot Ion: 77 Resp: 2578

Ion Ratio Lower Upper

77 100

123 36.6 26.9 40.3

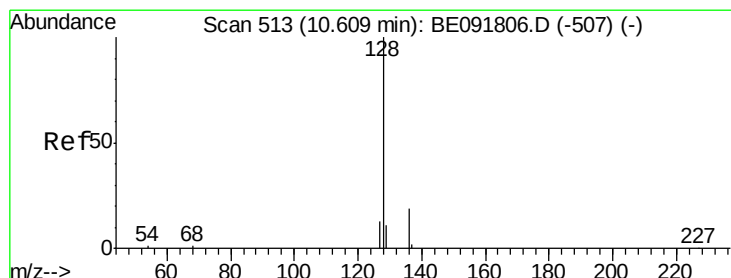
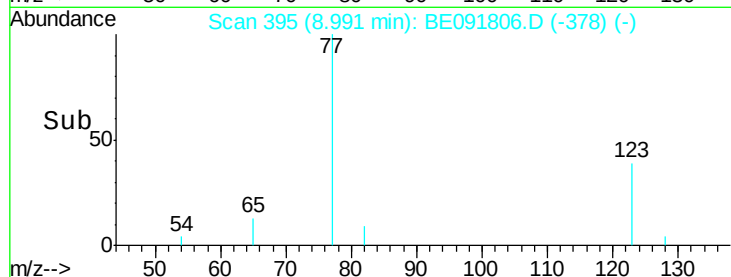
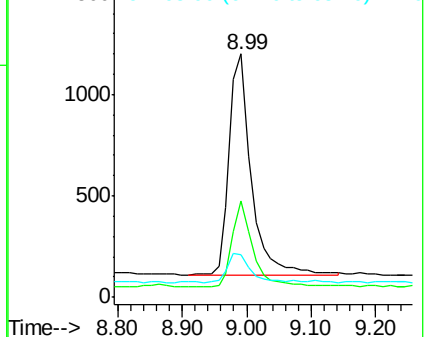
65 13.2 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE091806.D (-388) (-)

Ion 123.00 (122.70 to 123.70): BE091806.D (-388) (-)

Ion 65.00 (64.70 to 65.70): BE091806.D (-388) (-)



#10

Naphthalene

Concen: 0.42 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

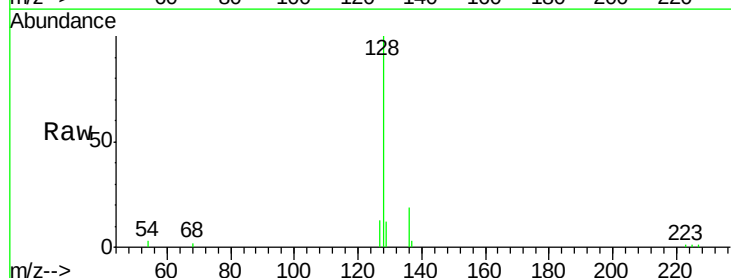
Tgt Ion: 128 Resp: 9278

Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

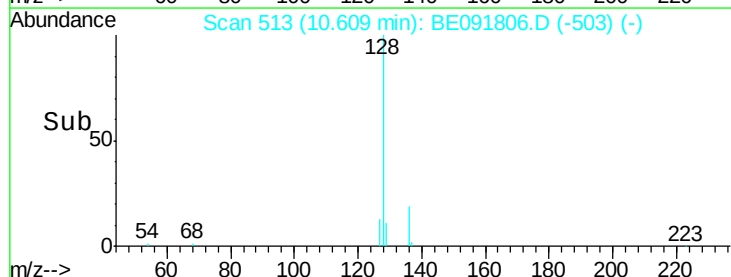
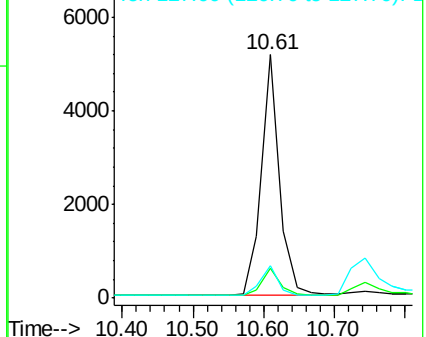
127 13.4 10.7 16.1

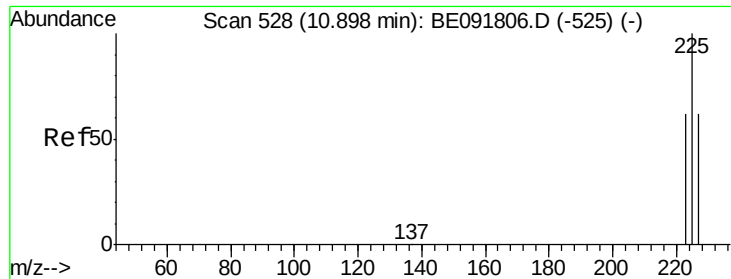


Abundance Ion 128.00 (127.70 to 128.70): BE091806.D (-507) (-)

Ion 129.00 (128.70 to 129.70): BE091806.D (-507) (-)

Ion 127.00 (126.70 to 127.70): BE091806.D (-507) (-)

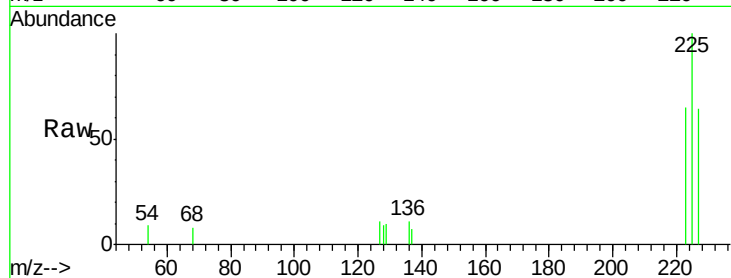




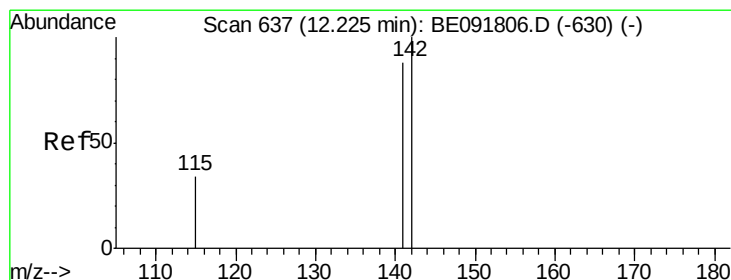
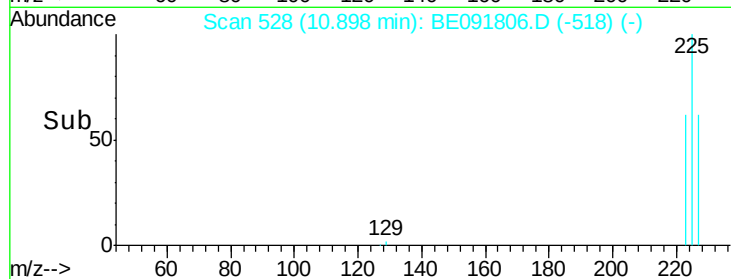
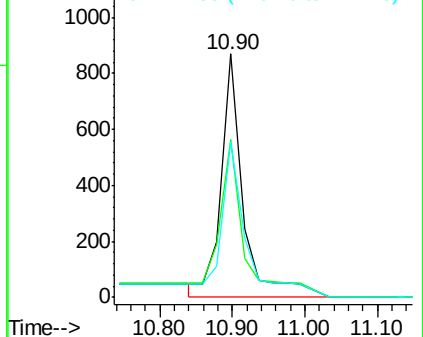
#11  
Hexachlorobutadiene  
Concen: 0.59 ng  
RT: 10.90 min Scan# 528  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:225 Resp: 1940  
Ion Ratio Lower Upper  
225 100  
223 76.7 49.0 73.6#  
227 74.8 50.3 75.5

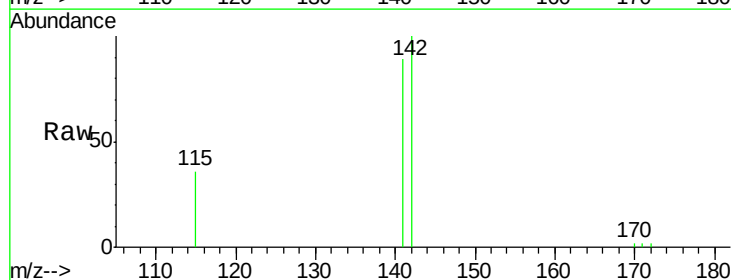


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

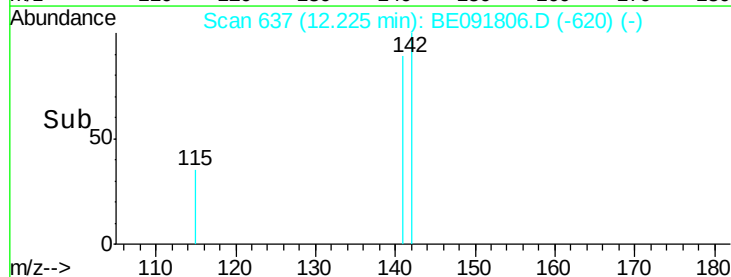
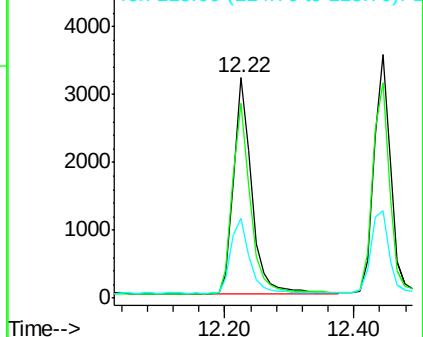


#12  
2-Methylnaphthalene  
Concen: 0.43 ng  
RT: 12.22 min Scan# 637  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

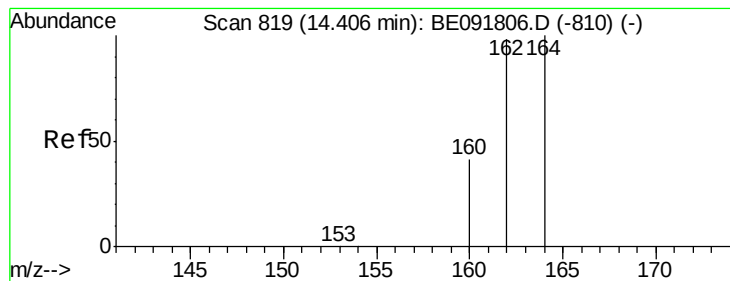
Tgt Ion:142 Resp: 6127  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.4 107.0  
115 36.0 30.3 45.5



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







#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

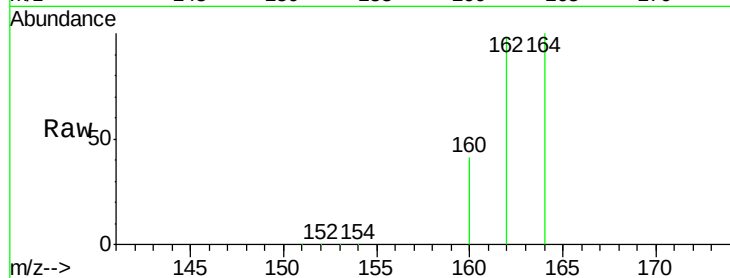
Tot Ion:164 Resp: 76646

Ion Ratio Lower Upper

164 100

162 97.8 85.3 127.9

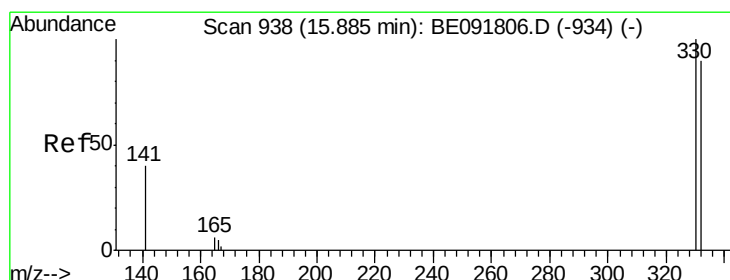
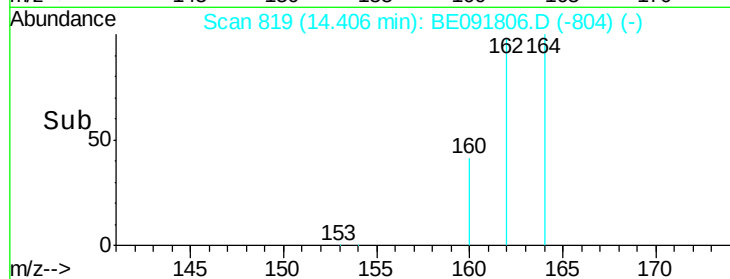
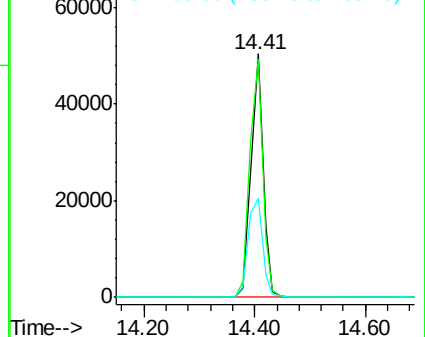
160 40.9 46.2 69.2#



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



#14

2,4,6-Tribromophenol

Concen: 0.43 ng

RT: 15.88 min Scan# 938

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

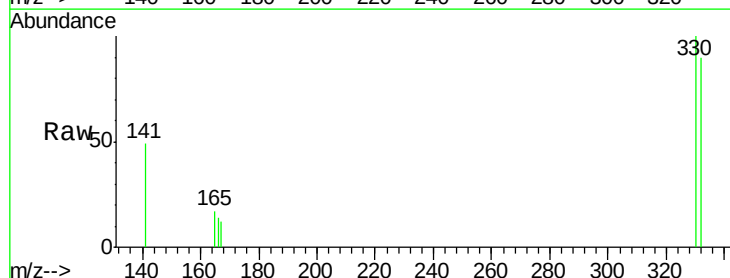
Tgt Ion:330 Resp: 1031

Ion Ratio Lower Upper

330 100

332 96.6 79.1 118.7

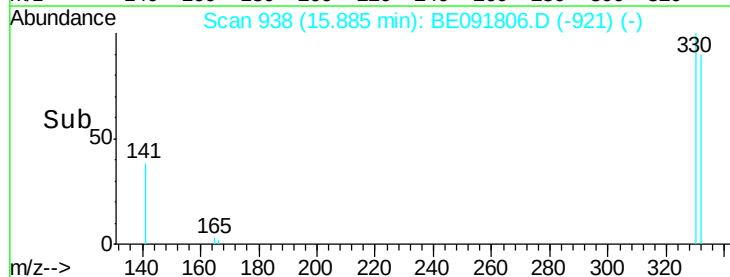
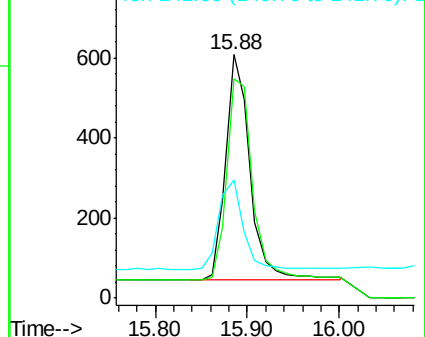
141 40.4 125.4 188.0#

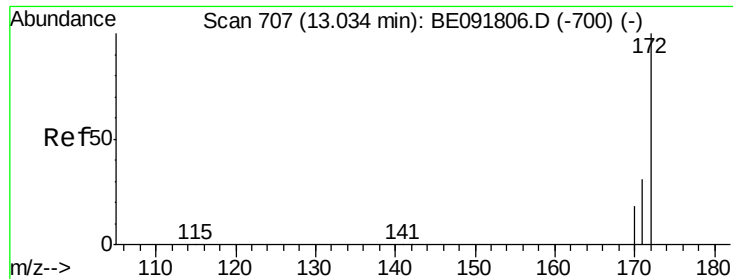


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

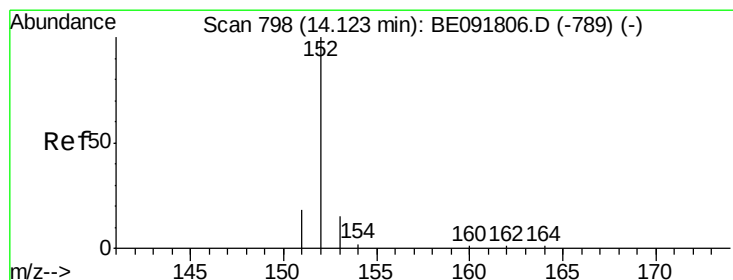
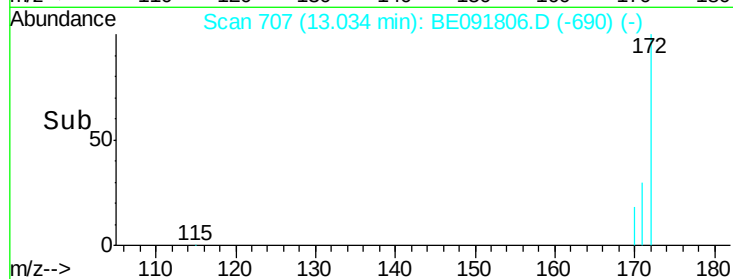
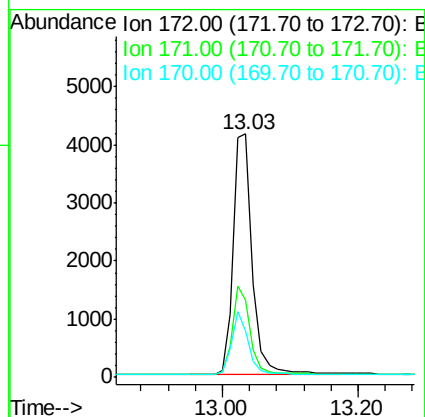
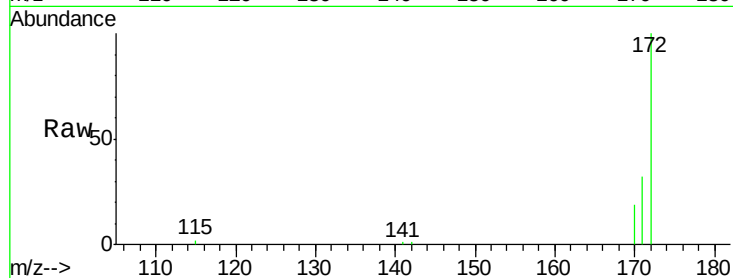




#15  
2-Fluorobiphenyl  
Concen: 0.38 ng  
RT: 13.03 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

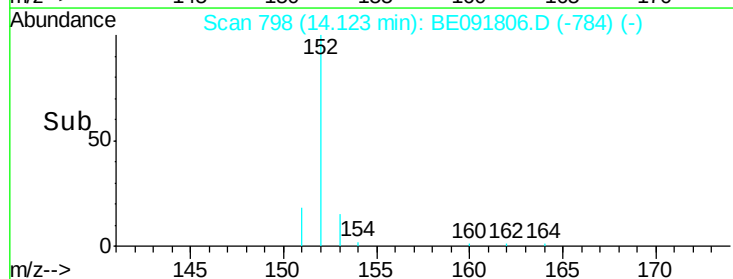
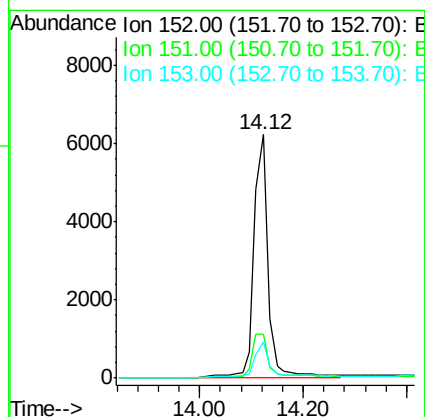
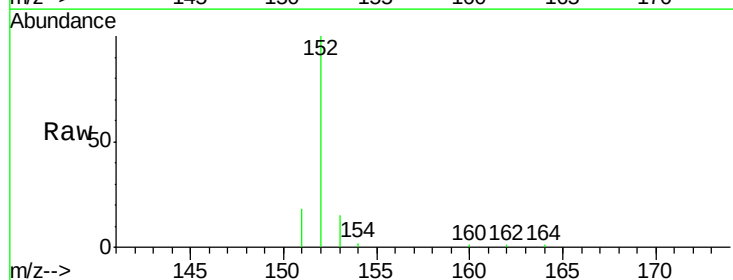
Instrument :  
BNA\_E  
ClientSampleId :

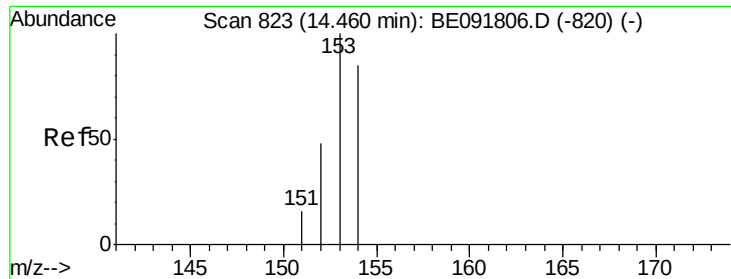
Tot Ion:172 Resp: 8205  
Ion Ratio Lower Upper  
172 100  
171 31.5 28.8 43.2  
170 19.2 19.3 28.9#



#16  
Acenaphthylene  
Concen: 0.44 ng  
RT: 14.12 min Scan# 798  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Tgt Ion:152 Resp: 12952  
Ion Ratio Lower Upper  
152 100  
151 24.2 3.9 5.9#  
153 19.1 10.3 15.5#

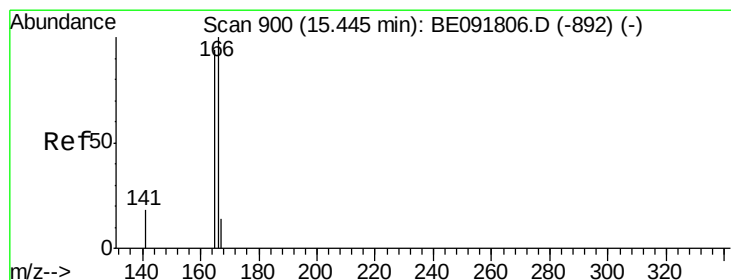
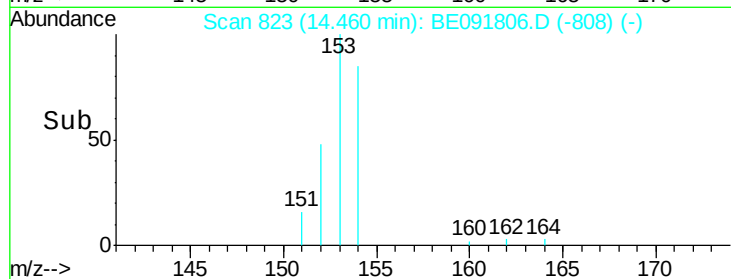
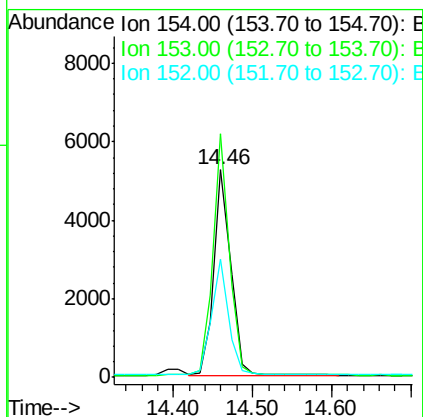
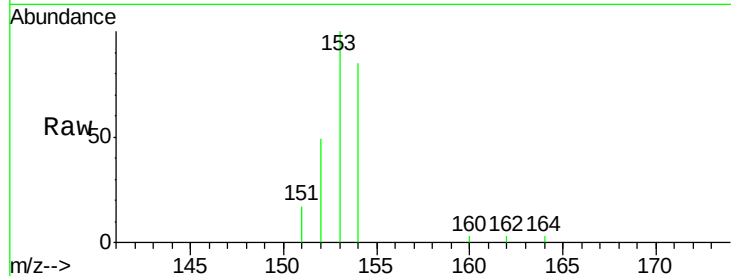




#17  
Acenaphthene  
Concen: 0.40 ng  
RT: 14.46 min Scan# 823  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

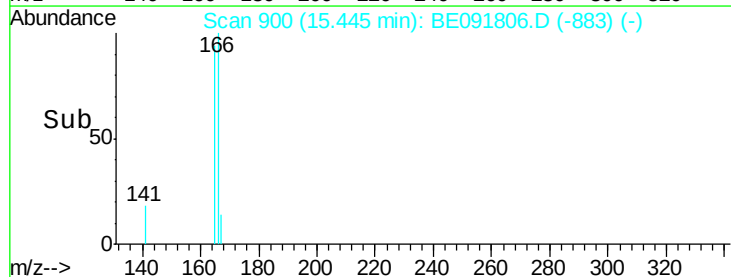
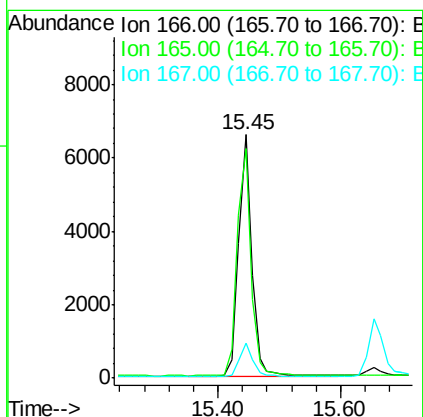
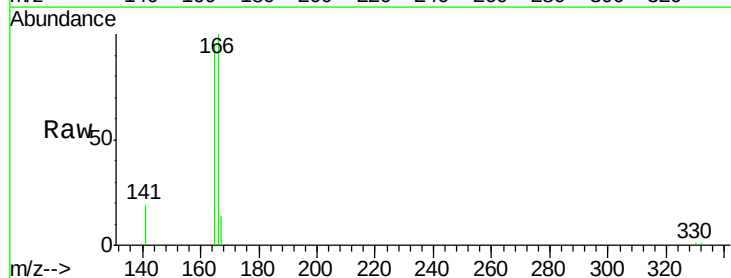
Instrument :  
BNA\_E  
ClientSampleId :

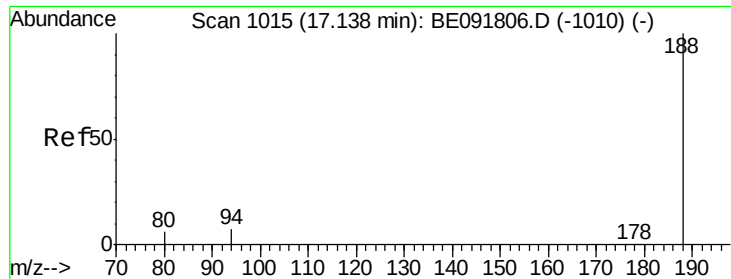
Tot Ion:154 Resp: 7725  
Ion Ratio Lower Upper  
154 100  
153 114.5 80.0 120.0  
152 56.8 40.0 60.0



#18  
Fluorene  
Concen: 0.42 ng  
RT: 15.45 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Tgt Ion:166 Resp: 9978  
Ion Ratio Lower Upper  
166 100  
165 99.1 80.8 121.2  
167 13.6 10.9 16.3

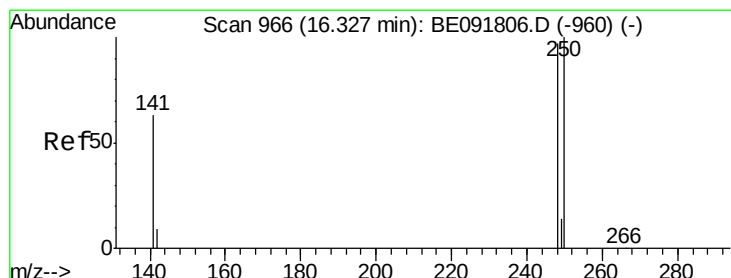
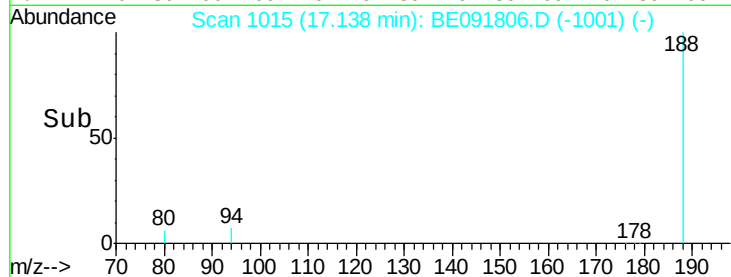
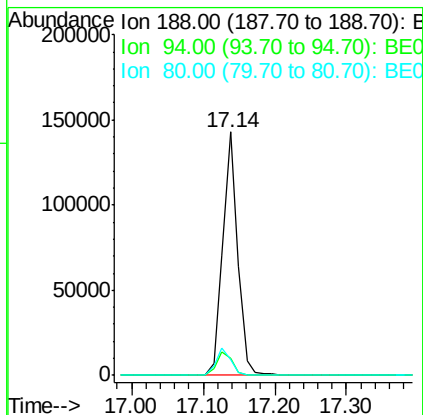
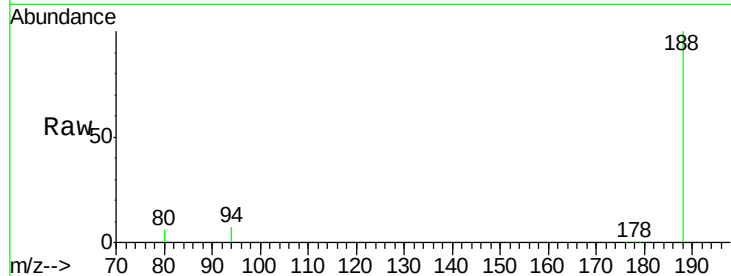




#19  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.14 min Scan# 1015  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

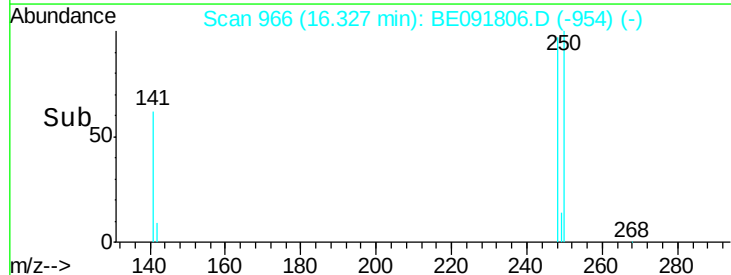
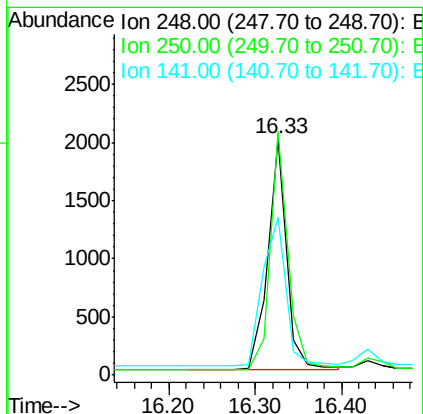
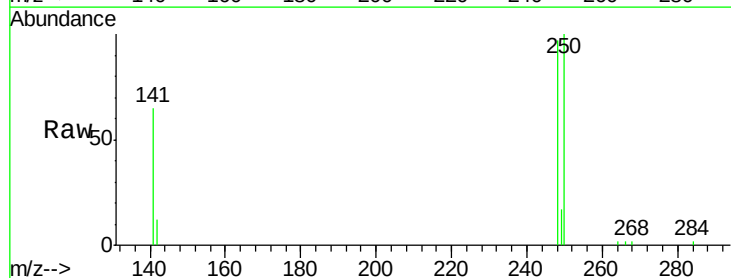
Instrument :  
BNA\_E  
ClientSampleId :

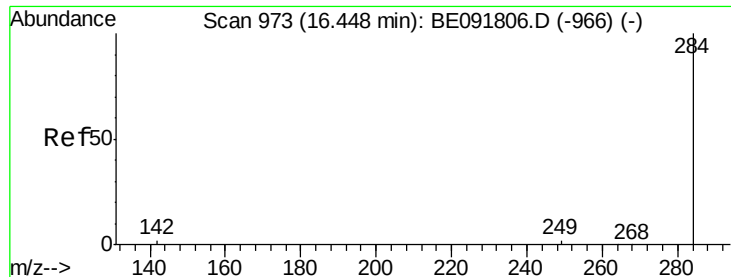
Tot Ion:188 Resp: 207280  
Ion Ratio Lower Upper  
188 100  
94 7.1 8.7 13.1#  
80 6.4 9.4 14.0#



#20  
4-Bromophenyl-phenylether  
Concen: 0.41 ng  
RT: 16.33 min Scan# 966  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Tgt Ion:248 Resp: 3027  
Ion Ratio Lower Upper  
248 100  
250 98.7 80.5 120.7  
141 80.8 72.0 108.0

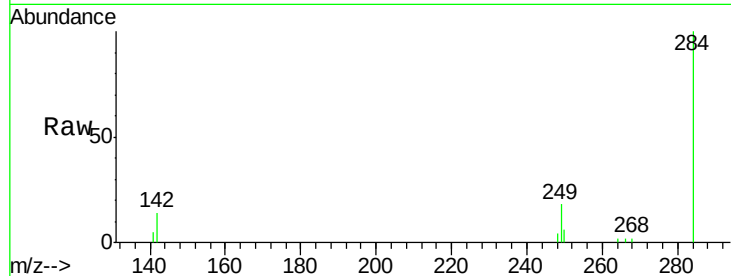




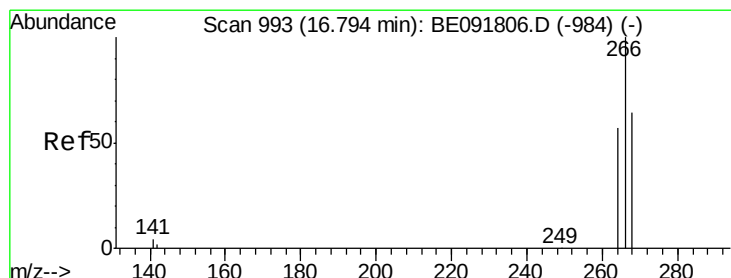
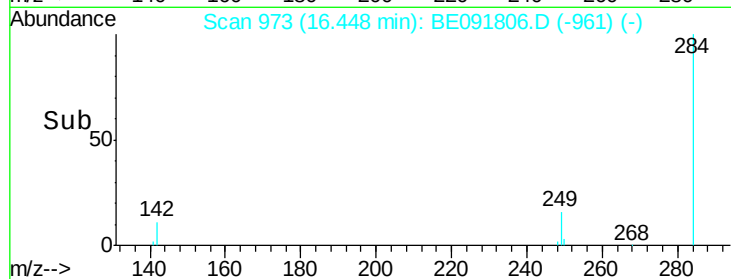
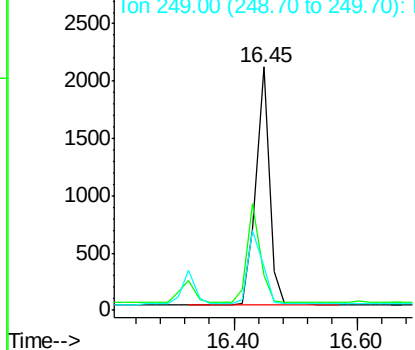
#21  
Hexachlorobenzene  
Concen: 0.43 ng  
RT: 16.45 min Scan# 973  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:284 Resp: 3184  
Ion Ratio Lower Upper  
284 100  
142 39.9 32.2 48.2  
249 33.2 25.4 38.2

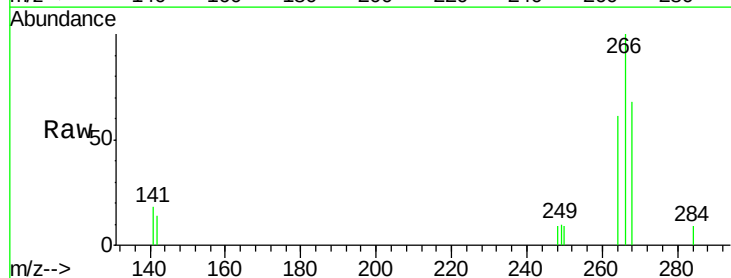


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

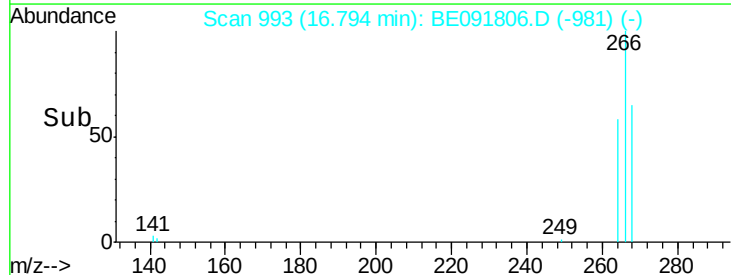
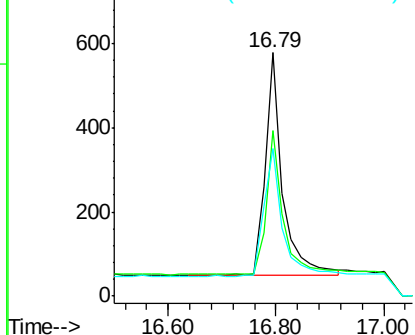


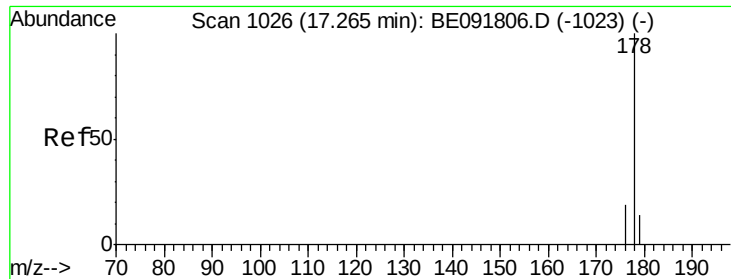
#22  
Pentachlorophenol  
Concen: 0.34 ng  
RT: 16.79 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Tgt Ion:266 Resp: 1200  
Ion Ratio Lower Upper  
266 100  
268 68.0 58.2 87.2  
264 60.9 56.2 84.4



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E

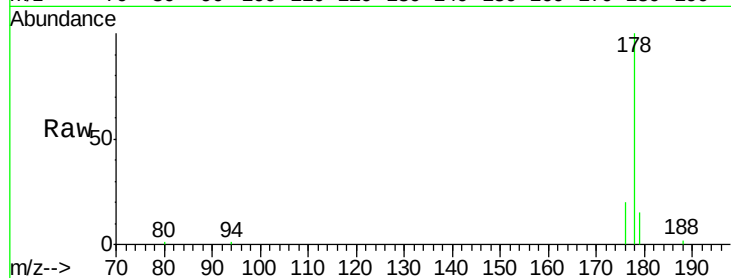




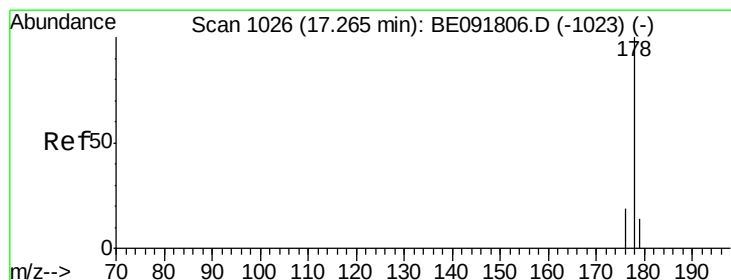
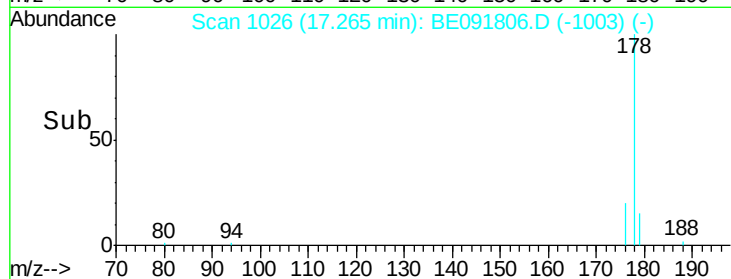
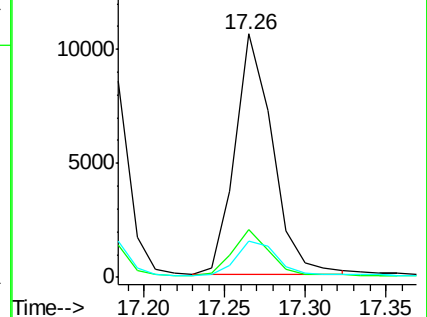
#23  
Phenanthrene  
Concen: 0.36 ng  
RT: 17.26 min Scan# 1026  
Delta R.T. 0.09 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:178 Resp: 16845  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.3 22.9  
179 15.4 12.6 18.8

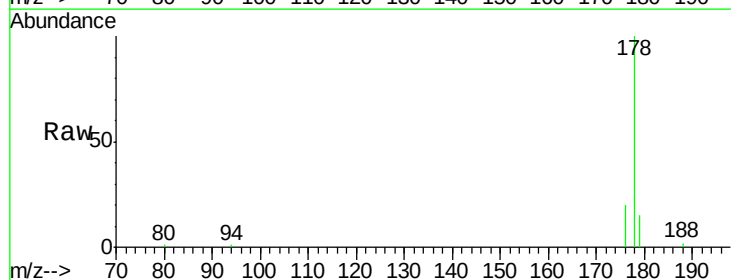


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

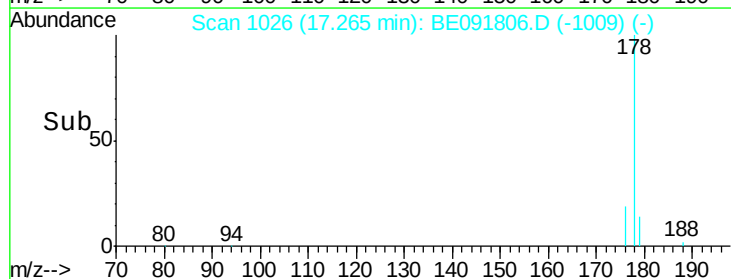
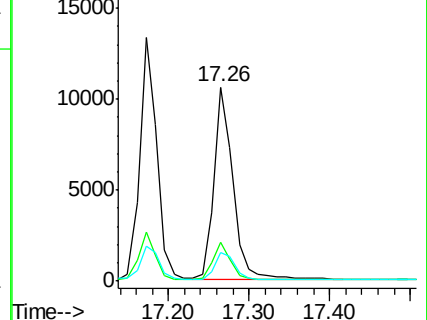


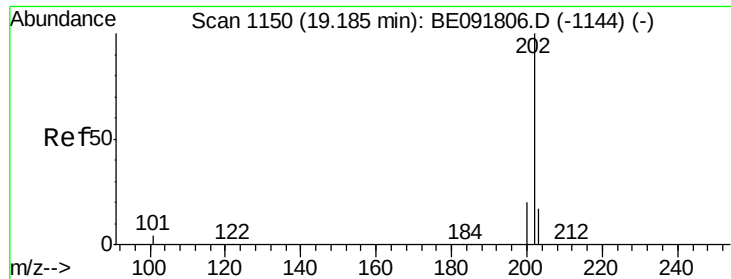
#24  
Anthracene  
Concen: 0.41 ng  
RT: 17.26 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Tgt Ion:178 Resp: 17412  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.6 21.8  
179 15.3 11.8 17.6



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

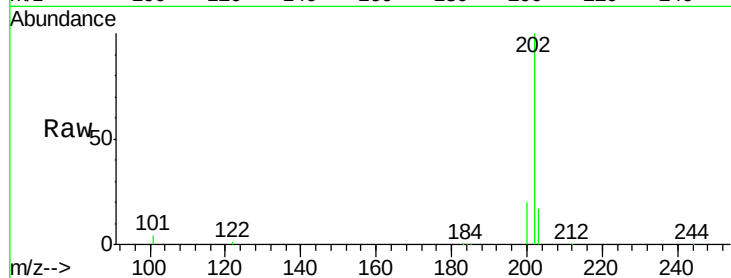




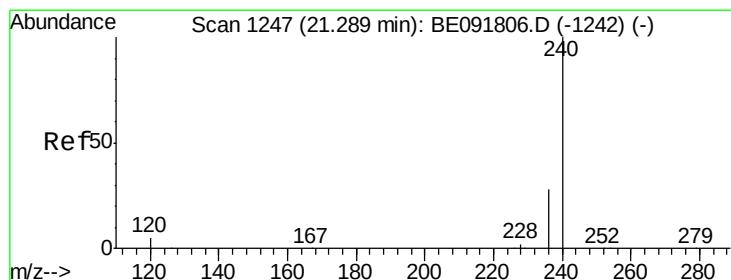
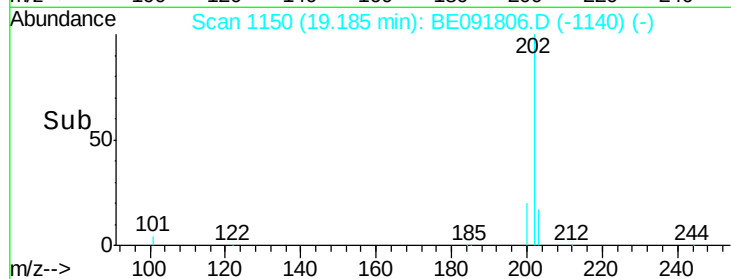
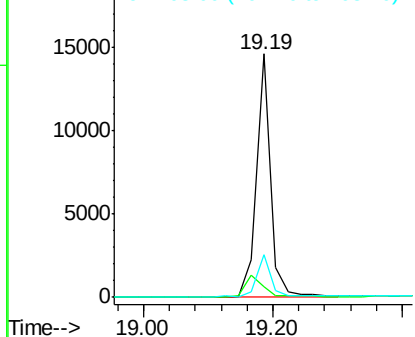
#25  
 Fluoranthene  
 Concen: 0.45 ng  
 RT: 19.19 min Scan# 1150  
 Delta R.T. 0.00 min  
 Lab File: BE091806.D  
 Acq: 19 May 2016 12:36

Instrument :  
 BNA\_E  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.5  | 11.0  | 16.6# |
| 203     | 17.2  | 13.9  | 20.9  |

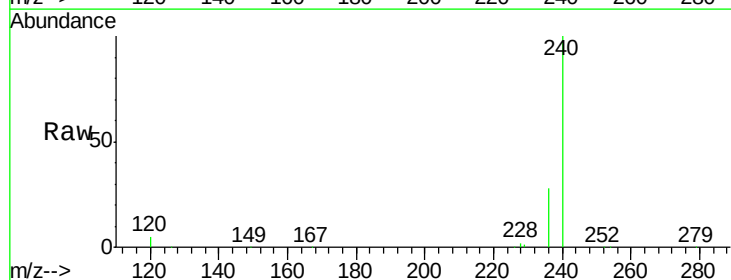


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

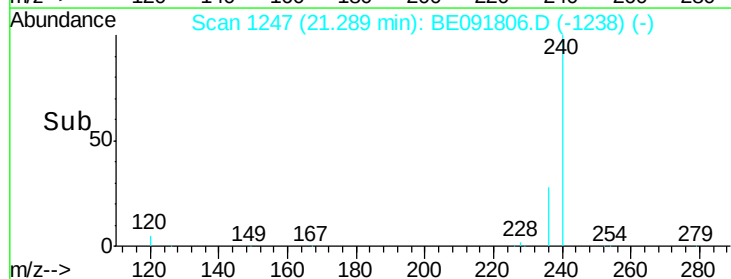
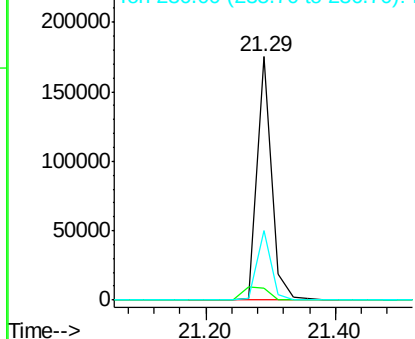


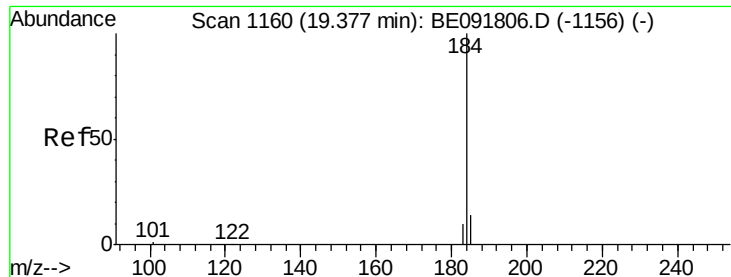
#26  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.29 min Scan# 1247  
 Delta R.T. 0.00 min  
 Lab File: BE091806.D  
 Acq: 19 May 2016 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.8   | 11.0  | 16.4# |
| 236     | 28.5  | 21.7  | 32.5  |



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





#27

Benzidine

Concen: 0.36 ng

RT: 19.38 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

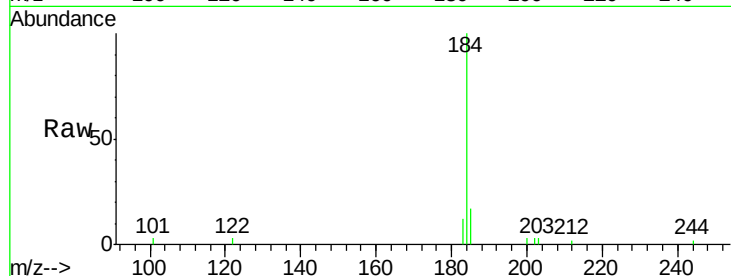
Tot Ion:184 Resp: 5687

Ion Ratio Lower Upper

184 100

185 16.5 22.3 33.5#

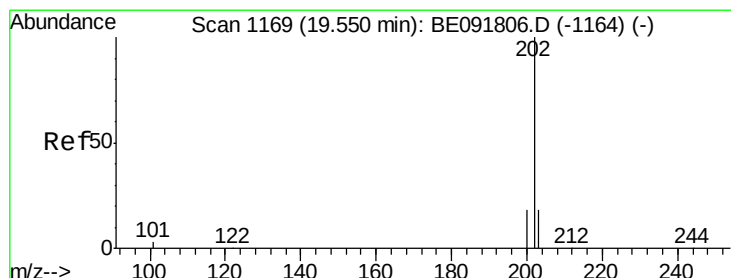
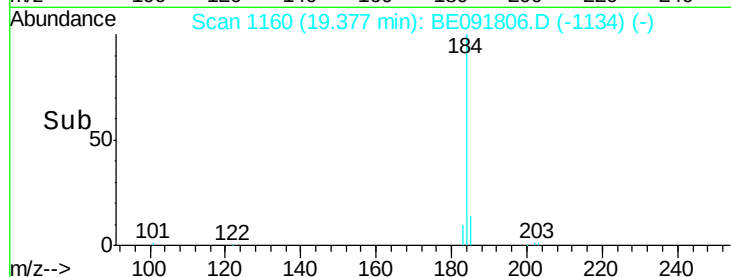
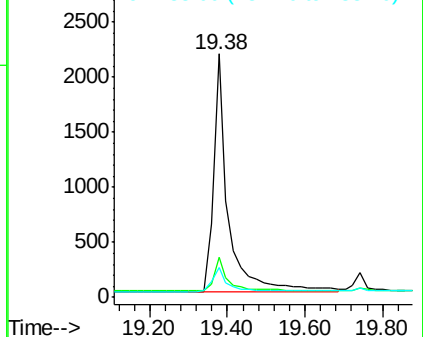
183 12.1 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.37 ng

RT: 19.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

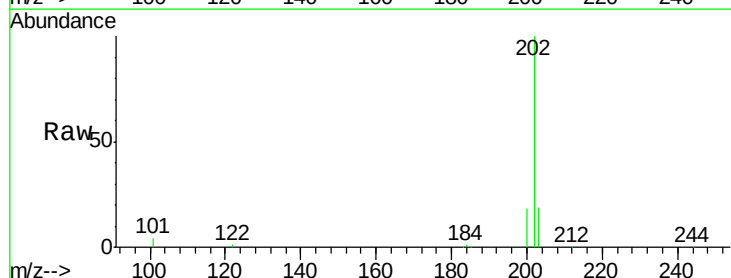
Tgt Ion:202 Resp: 22980

Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

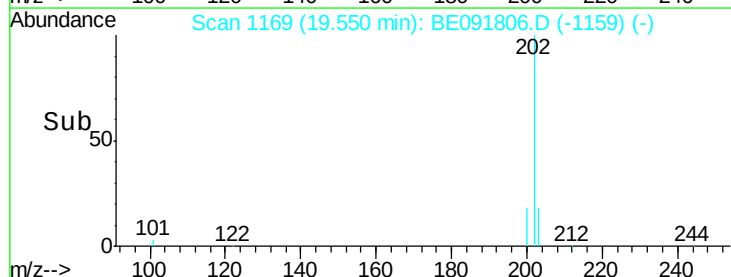
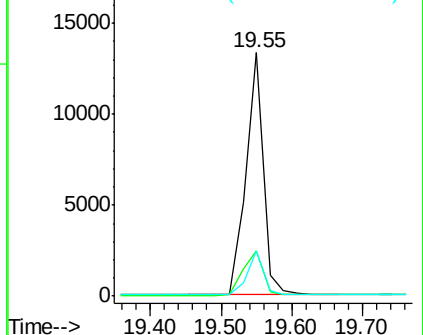
203 17.2 14.0 21.0



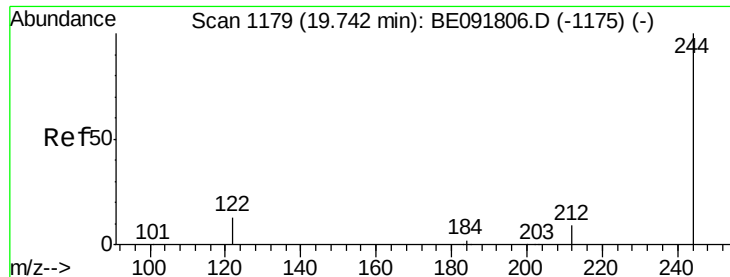
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.34 ng

RT: 19.74 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

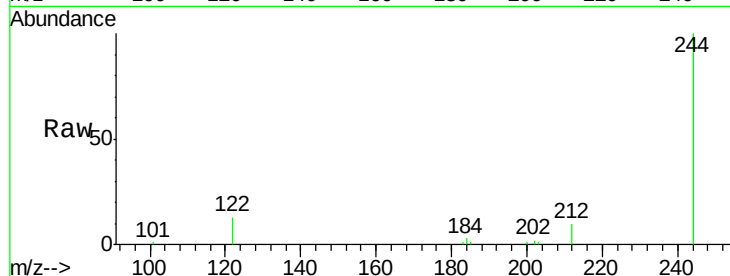
Tot Ion:244 Resp: 14464

Ion Ratio Lower Upper

244 100

212 10.1 6.9 10.3

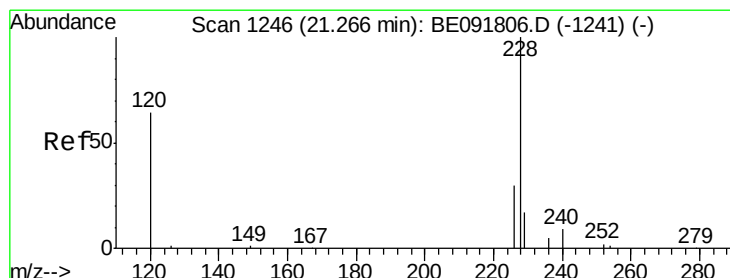
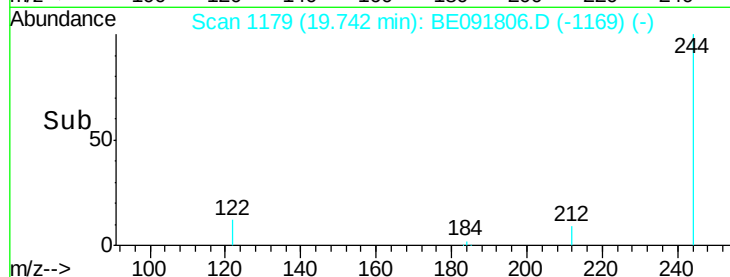
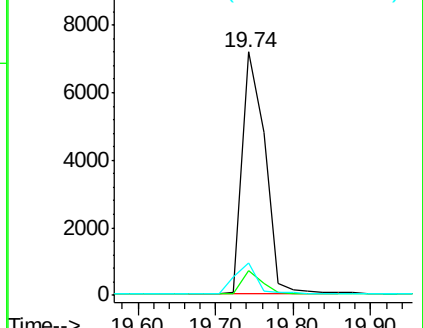
122 13.3 11.0 16.4



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



#30

Benzo(a)anthracene

Concen: 0.69 ng

RT: 21.27 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

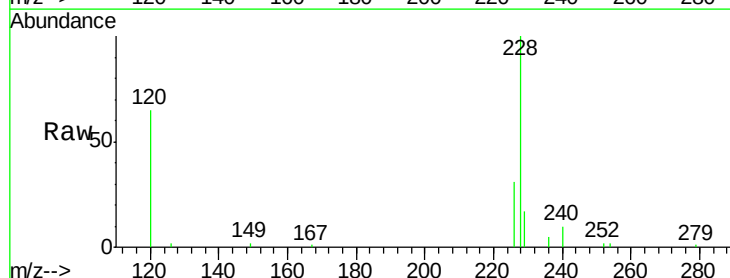
Tgt Ion:228 Resp: 46627

Ion Ratio Lower Upper

228 100

226 30.8 21.0 31.4

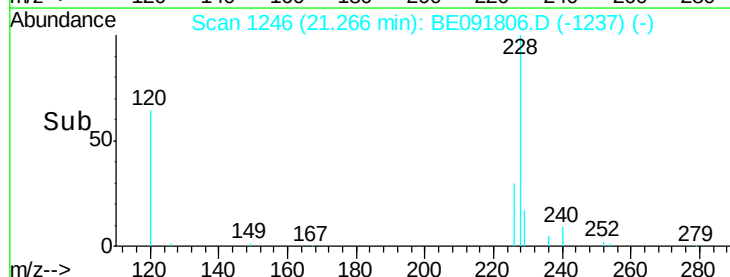
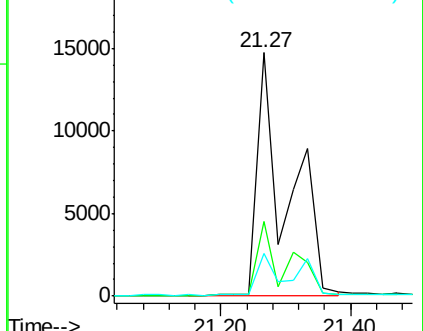
229 17.4 15.7 23.5

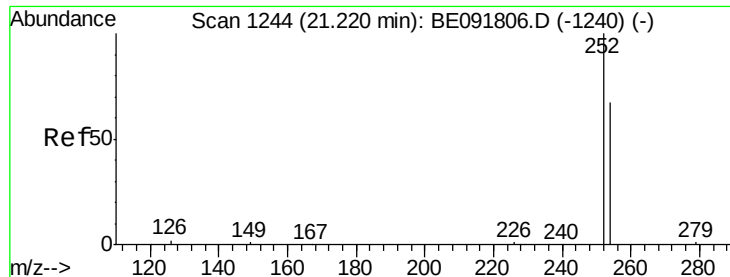


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

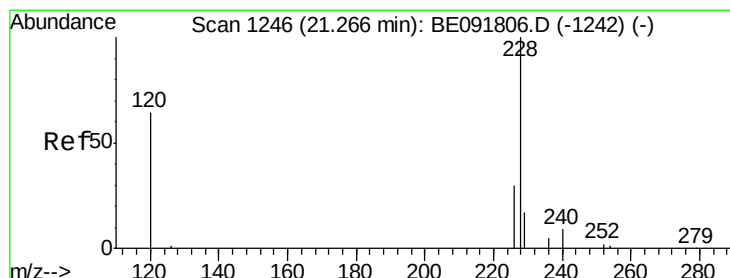
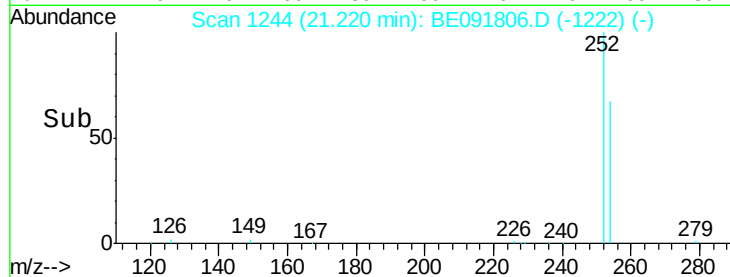
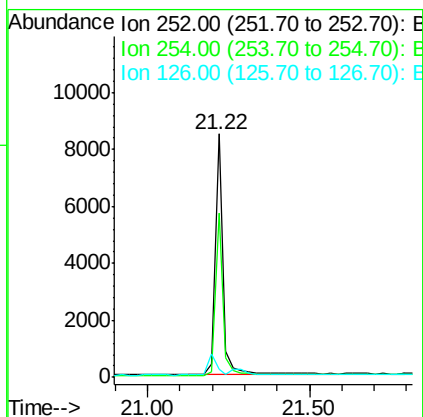
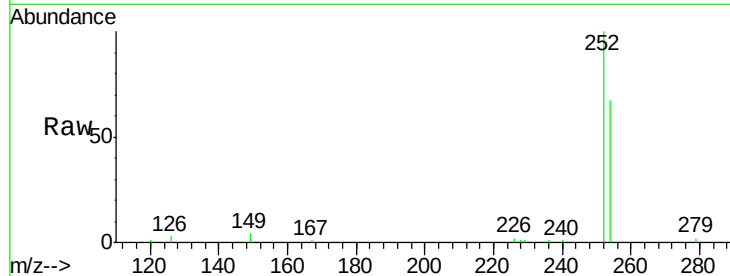




#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.43 ng  
 RT: 21.22 min Scan# 1244  
 Delta R.T. 0.00 min  
 Lab File: BE091806.D  
 Acq: 19 May 2016 12:36

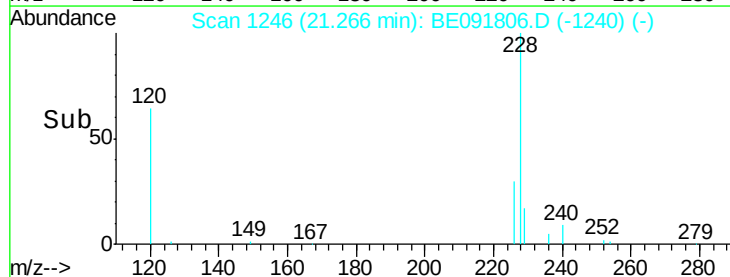
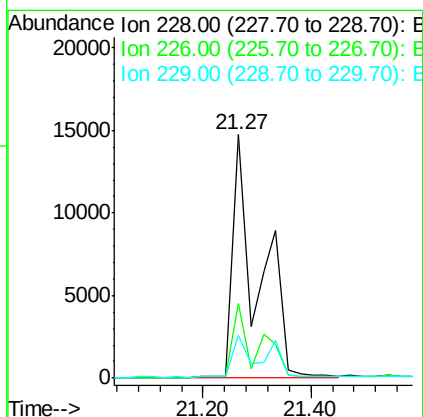
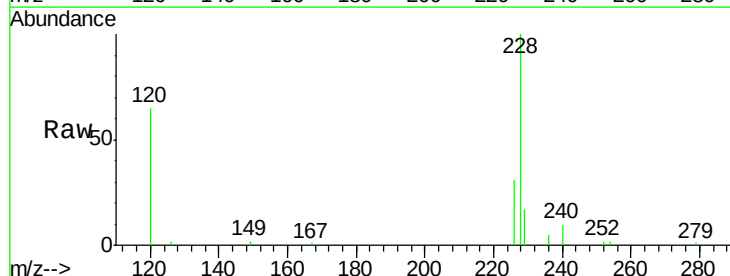
Instrument :  
 BNA\_E  
 ClientSampleId :

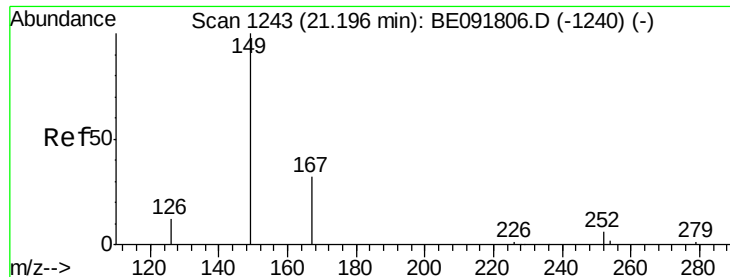
Tot Ion:252 Resp: 14749  
 Ion Ratio Lower Upper  
 252 100  
 254 67.3 51.1 76.7  
 126 3.3 12.6 18.8#



#32  
 Chrysene  
 Concen: 0.67 ng  
 RT: 21.27 min Scan# 1246  
 Delta R.T. -0.07 min  
 Lab File: BE091806.D  
 Acq: 19 May 2016 12:36

Tgt Ion:228 Resp: 47013  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 24.0 36.0  
 229 17.4 15.9 23.9





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.46 ng

RT: 21.20 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

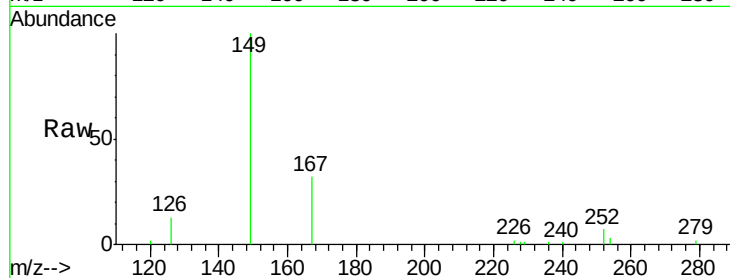
Tot Ion:149 Resp: 9421

Ion Ratio Lower Upper

149 100

167 30.8 19.5 29.3#

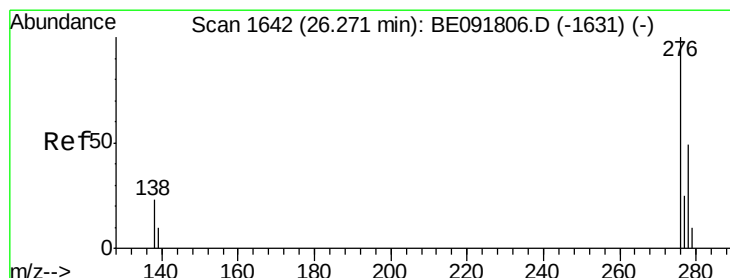
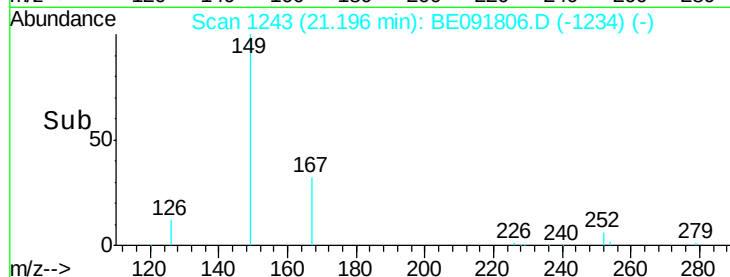
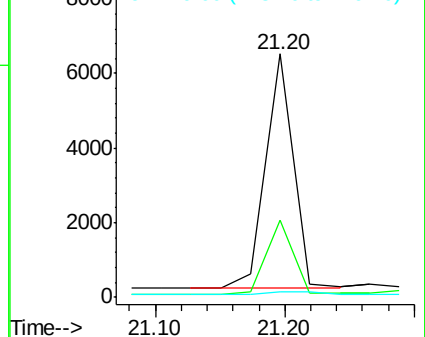
279 0.0 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng

RT: 26.27 min Scan# 1642

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

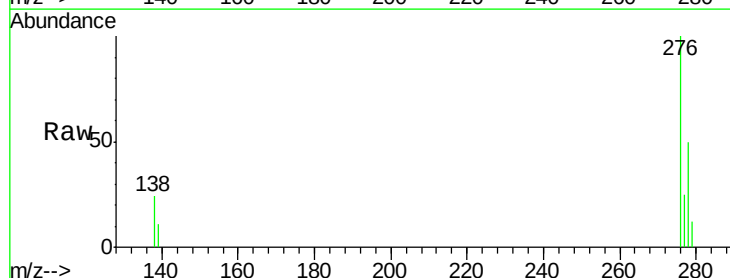
Tgt Ion:276 Resp: 25573

Ion Ratio Lower Upper

276 100

138 24.4 23.4 35.2

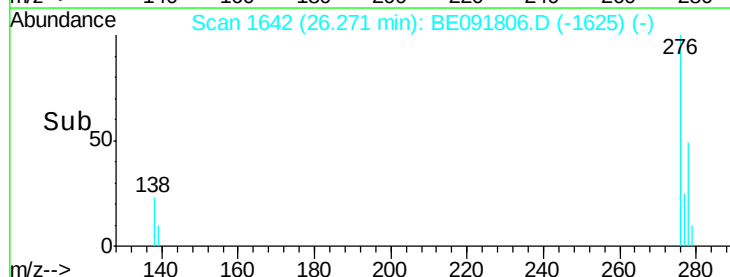
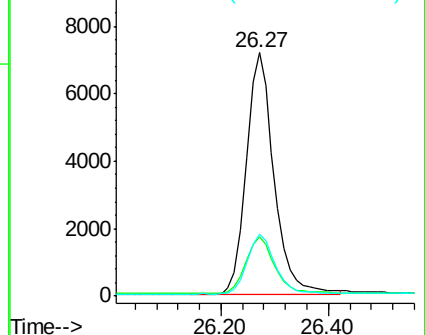
277 25.0 19.8 29.8

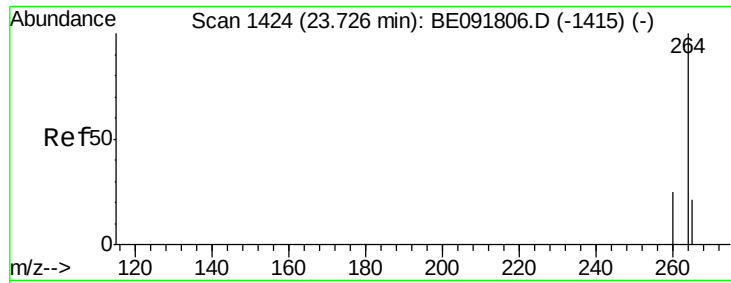


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

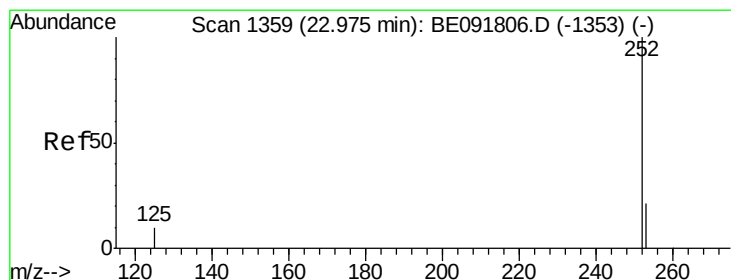
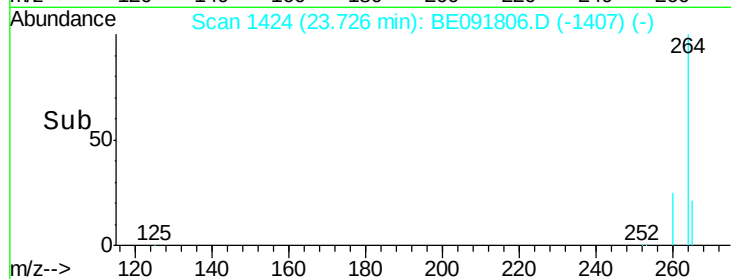
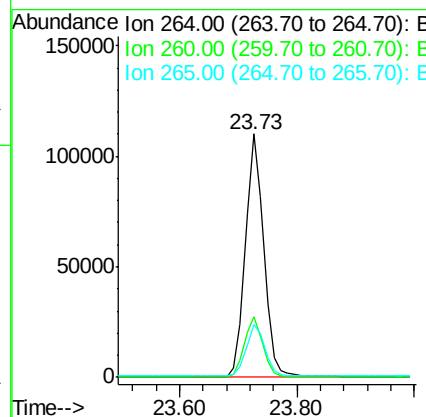
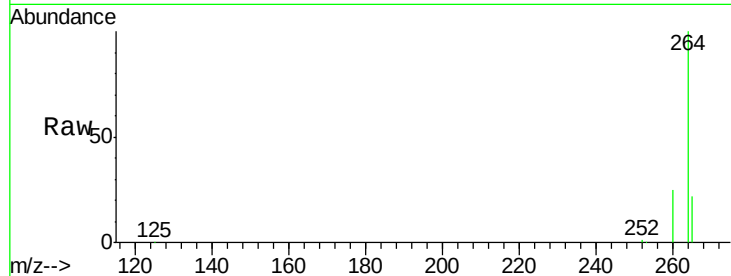




#35  
Pervlene-d12  
Concen: 5.00 ng  
RT: 23.73 min Scan# 1424  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

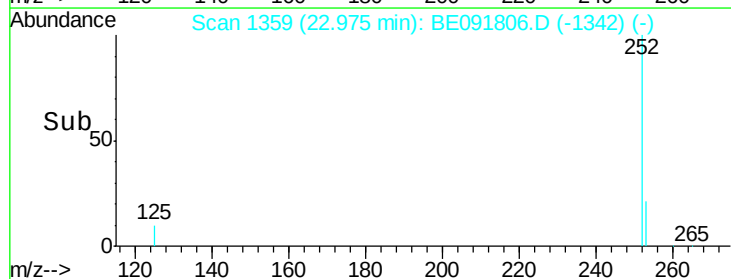
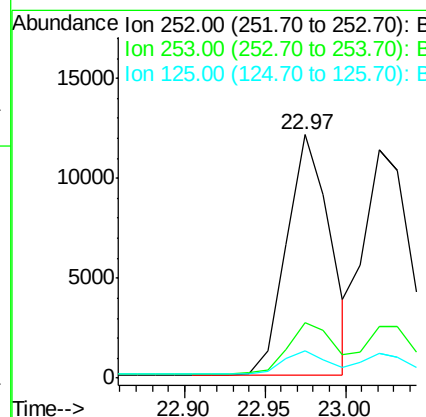
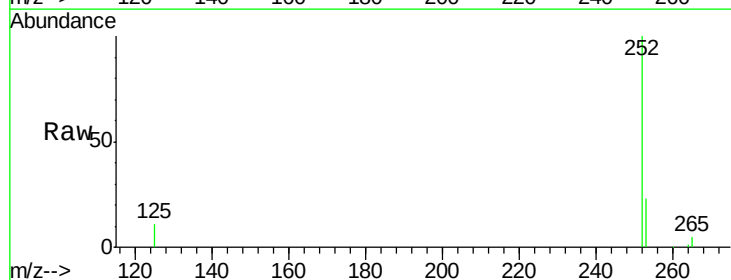
Instrument :  
BNA\_E  
ClientSampled :

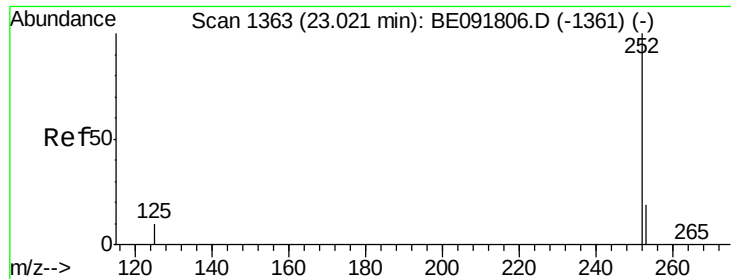
Tot Ion:264 Resp: 240901  
Ion Ratio Lower Upper  
264 100  
260 25.1 20.0 30.0  
265 22.0 17.5 26.3



#36  
Benzo(b)fluoranthene  
Concen: 0.40 ng  
RT: 22.97 min Scan# 1359  
Delta R.T. 0.00 min  
Lab File: BE091806.D  
Acq: 19 May 2016 12:36

Tgt Ion:252 Resp: 22731  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.4 26.0  
125 11.0 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 0.41 ng

RT: 23.02 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

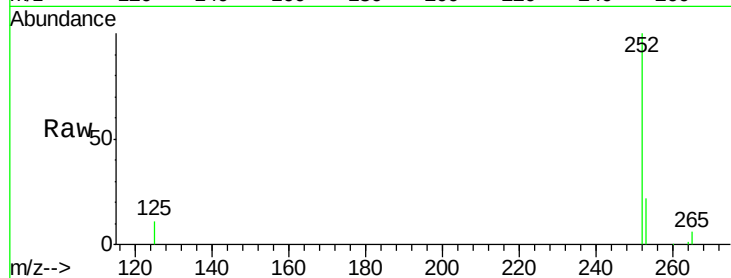
Tot Ion:252 Resp: 23352

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

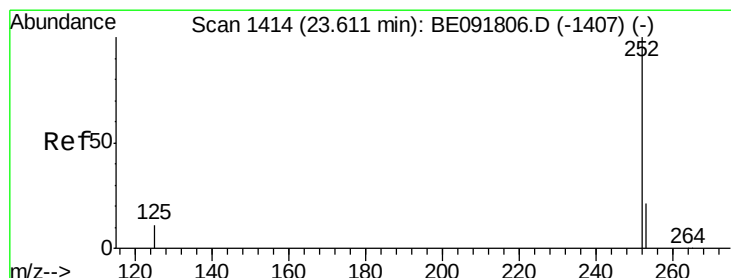
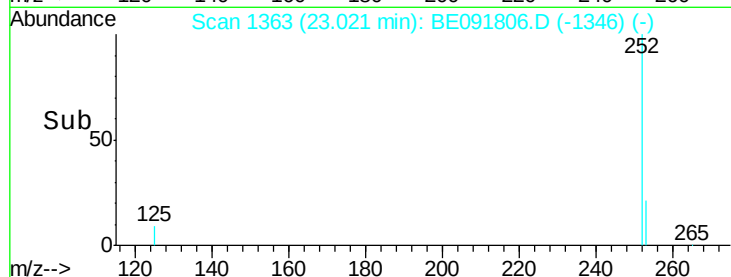
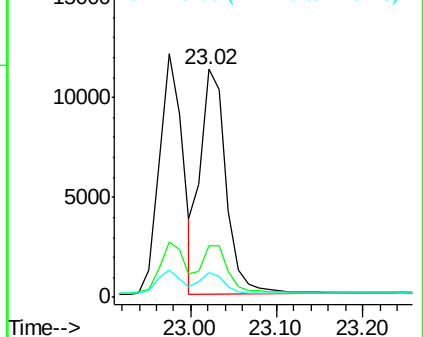
125 11.1 9.9 14.9



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



#38

Benzo(a)pyrene

Concen: 0.41 ng

RT: 23.61 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

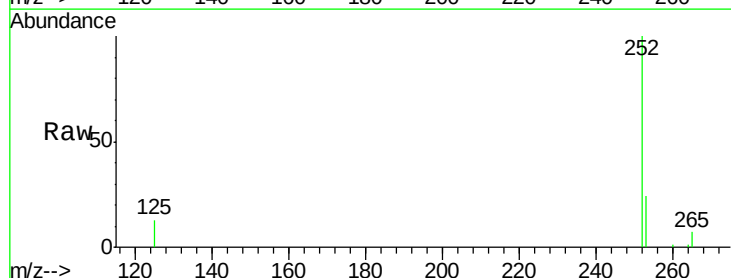
Tgt Ion:252 Resp: 21716

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

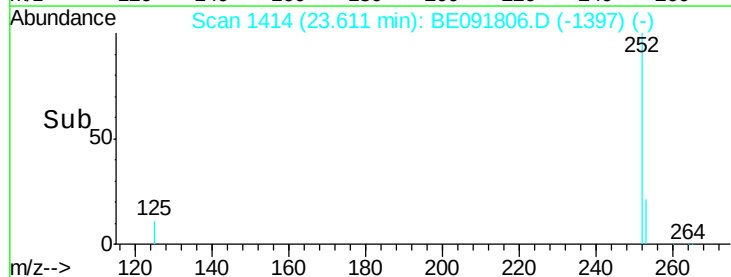
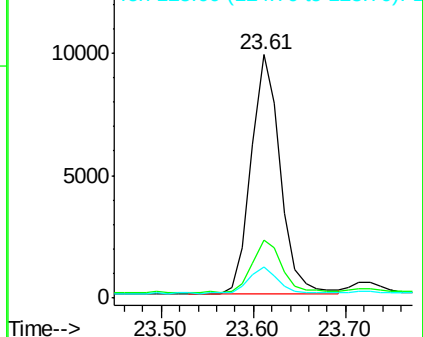
125 12.6 11.0 16.4

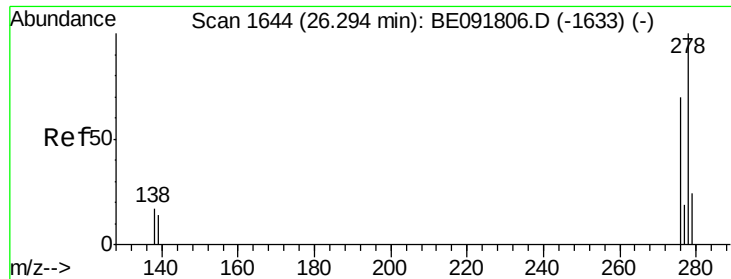


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.42 ng

RT: 26.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

Instrument :

BNA\_E

ClientSampleId :

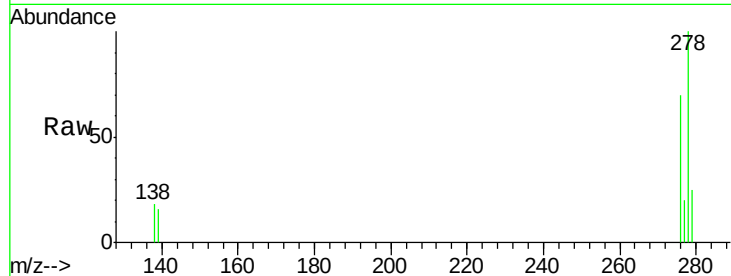
Tot Ion:278 Resp: 21017

Ion Ratio Lower Upper

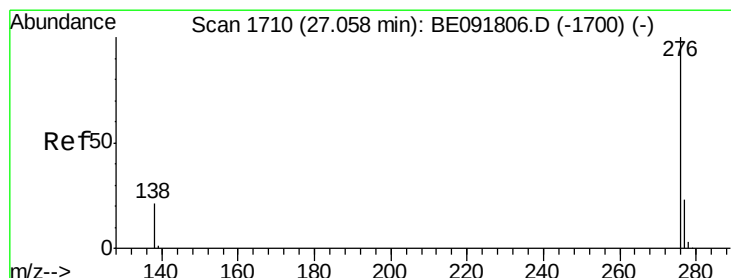
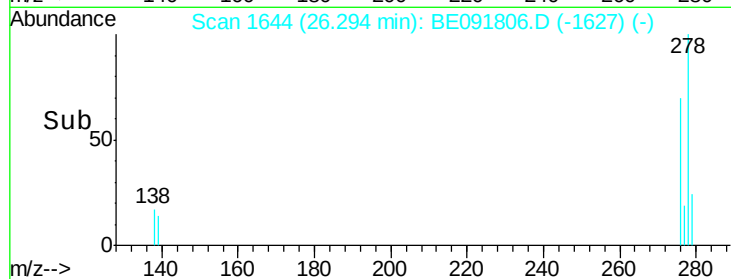
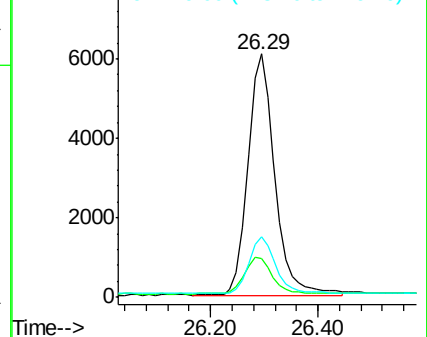
278 100

139 15.8 16.0 24.0#

279 24.9 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 0.43 ng

RT: 27.06 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091806.D

Acq: 19 May 2016 12:36

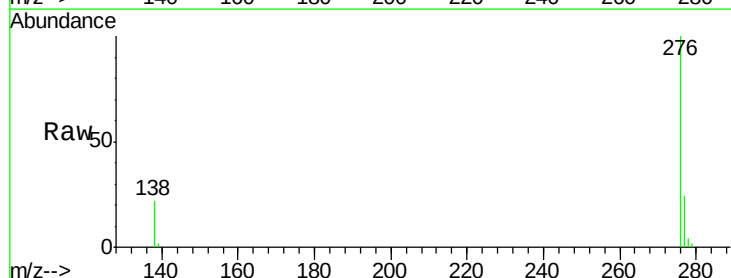
Tgt Ion:276 Resp: 21941

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 21.7 20.4 30.6



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

